	-T	- Division of Oil and C	Gas Resources Manag	7						
TICA/POINT PLE	A CANT CHAI	EWELLS								
dated 07/19/2014	ASANI SHAL	E VVELLO						+		
dated 07/13/2014										
rmit Issued	County	Township	API#	Status	Operator	Well Name & Number	Surface Lat	Surface Long	Endpoint Lat	Endpoint Long
02/2011	ASHLAND	CLEAR CREEK	34005241600100	Drilled	DEVON ENERGY PRODUCTION CO	EICHELBERGER DAVID 1H	40.9466508	-82.4034777	40.9466509	-82.4036587
07/2013	ASHTABULA	WAYNE	34007245510100	Permitted	BEUSA ENERGY LLC	MAGYAR 9 1H	41.5204837	-80.6934257	41.5005237	-80.6788228
09/2012	BELMONT	MEAD	34013206530000	Producing	XTO ENERGY INC.	KALDOR 2H	39.9773526	-80.8380489	39.9698310	-80.8196450
09/2012	BELMONT	MEAD	34013206540100	Producing	XTO ENERGY INC.	KALDOR 1H	39.9760339	-80.8381875	39.9667858	-80.8196294
15/2012	BELMONT	KIRKWOOD	34013206570100	Producing	GULFPORT ENERGY CORPORATION	SHUGERT 1-1H	40.0431192	-81.1231952	40.0574876	-81.1320239
21/2012	BELMONT	WARREN	34013206580100	Producing	GULFPORT ENERGY CORPORATION	SHUGERT 1-12H	40.0326937	-81.1457695	40.0538862	-81.1556195
21/2012	BELMONT	WHEELING	34013206600100	Producing	HESS OHIO RESOURCES LLC	CAPSTONE HOLDINGS 2H-9	40.1498040	-81.0174046	40.1357399	-81.0091857
/07/2013	BELMONT	RICHLAND	34013206610000	Producing	HESS OHIO RESOURCES LLC	PORTERFIELD GAS UNIT C 1H-17	40.0889823	-80.9331631	40.1041411	-80.9390199
/05/2014	BELMONT	RICHLAND	34013206620000	Permitted	XTO ENERGY INC.	COOK UNIT 1H	40.0003036	-80.8906802	39.9886712	-80.8682598
16/2012	BELMONT	SOMERSET	34013206650100	Permitted	GULFPORT ENERGY CORPORATION	STUTZMAN 1-14H	39.8905262	-81.1714758	39.8693232	-81.1571086
/07/2012	BELMONT	SOMERSET	34013206700100	Producing	GULFPORT ENERGY CORPORATION	STUTZMAN 1-14H	39.8905637	-81.1709048	39.8687881	-81.1568944
/11/2012	BELMONT	SOMERSET	34013206720000	Producing	GULFPORT ENERGY CORPORATION	MCCORT 1-28H	39.9196305	-81.2152106	39.9377172	-81.2279972
/12/2012	BELMONT	WHEELING	34013206730000	Producing	HESS OHIO RESOURCES LLC	CAPSTONE HOLDINGS 3H-9	40.1498385	-81.0173109	40.1365086	-81.0055065
12/2013	BELMONT	SOMERSET	34013206740000	Producing	GULFPORT ENERGY CORPORATION	BOLTON 1-29H	39.9384901	-81.2075293	39.9151260	-81.1988614
09/2013	BELMONT	WASHINGTON	34013206750100	Producing	GULFPORT ENERGY CORPORATION	IRONS 1-4H	39.9098242	-80.9061902	39.8931940	-80.8919503
/06/2013	BELMONT	SOMERSET	34013206770000	Producing	GULFPORT ENERGY CORPORATION	MCCORT 2-28H	39.9196658	-81.2151814	39.9435409	-81.2290605
/03/2013	BELMONT	RICHLAND	34013206790000	Producing	HESS OHIO RESOURCES LLC	LUDE # 1H-34 1H-34	40.0769680	-80.9974976	40.0917421	-81.0051022
/11/2013	BELMONT	WASHINGTON	34013206800000	Producing	GULFPORT ENERGY CORPORATION	IRONS 2-4H	39.9098623	-80.9061679	39.8920897	-80.8953120
/08/2013	BELMONT	UNION	34013206810000	Drilled	GULFPORT ENERGY CORPORATION	EAGLE CREEK 1-26H	40.0665674	-81.0969212	40.0870810	-81.1126436
/26/2013	BELMONT	SOMERSET	34013206820000	Permitted	GULFPORT ENERGY CORPORATION	MCCORT 3-28H	39.9197121	-81.2151449	39.9359256	-81.2324202
/17/2013	BELMONT	SOMERSET	34013206830000	Drilling	GULFPORT ENERGY CORPORATION	INHERST 2-14H	39.8893900	-81.1768506	39.8672793	-81.1630089
/17/2013	BELMONT	SOMERSET	34013206840000	Drilled	GULFPORT ENERGY CORPORATION	INHERST 1-14H	39.8893894	-81.1767971	39.8671956	-81.1600142
/04/2013	BELMONT	UNION	34013206850000	Drilling	GULFPORT ENERGY CORPORATION	EAGLE CREEK 2-26H	40.0665762	-81.0969746	40.0869976	-81.1153474
/04/2013	BELMONT	UNION	34013206860000	Permitted	GULFPORT ENERGY CORPORATION	EAGLE CREEK 4-26H	40.0665912	-81.0970779	40.0868255	-81.1179850
/04/2013	BELMONT	UNION	34013206870000	Permitted	GULFPORT ENERGY CORPORATION	EAGLE CREEK 3-26H	40.0665824	-81.0970280	40.0870841	-81.1098843
/03/2013	BELMONT	KIRKWOOD	34013206880000	Producing	GULFPORT ENERGY CORPORATION	SHUGERT 3-1H	40.0431744	-81.1232191	40.0573130	-81.1271793
/03/2013	BELMONT	KIRKWOOD	34013206890000	Producing	GULFPORT ENERGY CORPORATION	SHUGERT 2-1H	40.0430695	-81.1231712	40.0563814	-81.1346394
/08/2013	BELMONT	WARREN	34013206900000	Drilled	GULFPORT ENERGY CORPORATION	SHUGERT 3-12H	40.0327371	-81.1457222	40.0571179	-81.1647993
/08/2013	BELMONT	WARREN	34013206910000	Drilled	GULFPORT ENERGY CORPORATION	SHUGERT 2-12H	40.0326530	-81.1458131	40.0566624	-81.1616856
/17/2013	BELMONT	SOMERSET	34013206930000	Permitted	GULFPORT ENERGY CORPORATION	INHERST 3-14H	39.8893906	-81.1769040	39.8673628	-81.1660037
/28/2013	BELMONT	SOMERSET	34013206940000	Permitted	GULFPORT ENERGY CORPORATION	MCCORT 6-28H	39.9198291	-81.2150501	39.9359256	-81.2324202
/28/2013	BELMONT	SOMERSET	34013206950000	Permitted	GULFPORT ENERGY CORPORATION	MCCORT 5-28H	39.9197938	-81.2150792	39.9361490	-81.2297200
/28/2013	BELMONT	SOMERSET	34013206960000	Drilled	GULFPORT ENERGY CORPORATION	MCCORT 4-28H	39.9197475	-81.2151158	39.9459637	-81.2256313
/08/2013	BELMONT	WARREN	34013206970000	Drilled	GULFPORT ENERGY CORPORATION	SHUGERT 4-12H	40.0326205	-81.1458495	40.0554969	-81.1661416
/26/2013	BELMONT	SOMERSET	34013206980000	Drilled	GULFPORT ENERGY CORPORATION	STUTZMAN 2-14H	39.8904563	-81.1708783	39.8691912	-81.1542216
/29/2013	BELMONT	SOMERSET	34013206990000	Producing	GULFPORT ENERGY CORPORATION	STUTZMAN 3-14H	39.8904013	-81.1708687	39.8669322	-81.1497404
/21/2013	BELMONT	COLERAIN	34013207000100	Permitted	HESS OHIO RESOURCES LLC	COLERAIN A 1H-9	40.1425963	-80.7908584	40.1662811	-80.7984008
/12/2013	BELMONT	SOMERSET	34013207010000	Permitted	GULFPORT ENERGY CORPORATION	BOLTON 5-29H	39.9383866	-81.2073601	39.9188701	-81.1899133
/12/2013	BELMONT	SOMERSET	34013207020000	Drilling	GULFPORT ENERGY CORPORATION	BOLTON 4-29H	39.9384118	-81.2074024	39.9179148	-81.1921383
/12/2013	BELMONT	SOMERSET	34013207030000	Producing	GULFPORT ENERGY CORPORATION	BOLTON # 3-29H 3-29H	39.9384397	-81.2074447	39.9169594	-81.1943597
/12/2013	BELMONT	SOMERSET	34013207040000	Producing	GULFPORT ENERGY CORPORATION	BOLTON 2-29H	39.9384649	-81.2074870	39.9160039	-81.1965810
/10/2013	BELMONT	KIRKWOOD	34013207050000	Drilled	HESS OHIO DEVELOPMENTS LLC	KIRKWOOD A 3H-33	40.0784438	-81.2248484	40.0609333	-81.2099574
/03/2013	BELMONT	KIRKWOOD	34013207060000	Producing	GULFPORT ENERGY CORPORATION	SHUGERT 4-1H	40.0430198	-81.1231472	40.0538314	-81.1363329
/03/2013	BELMONT	UNION	34013207070000	Producing	GULFPORT ENERGY CORPORATION	FAMILY 3-32H	40.0566493	-81.1039347	40.0391042	-81.0927474
/03/2013	BELMONT	UNION	34013207080000	Producing	GULFPORT ENERGY CORPORATION	FAMILY 2-32H	40.0566680	-81.1038879	40.0389493	-81.0896717
/03/2013	BELMONT BELMONT	UNION	34013207090000 34013207100000	Producing Permitted	GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	FAMILY 1-32H FAMILY 4-32H	40.0566866 40.0566334	-81.1038375 -81.1039815	40.0389957 40.0392771	-81.0866848 -81.0959549
/03/2013 /23/2013										
/23/2013	BELMONT BELMONT	KIRKWOOD	34013207110000	Drilled	HESS OHIO DEVELOPMENTS LLC	KIRKWOOD A 1H-33	40.0783822	-81.2249889	40.0607937	-81.2190277
23/2013	BELMONT	KIRKWOOD KIRKWOOD	34013207120000 34013207130000	Drilled Drilled	HESS OHIO DEVELOPMENTS LLC HESS OHIO DEVELOPMENTS LLC	KIRKWOOD A 2H-33 KIRKWOOD A 4H-33	40.0784116 40.0784704	-81.2249205 -81.2247765	40.0606549 40.0677700	-81.2143678 -81.2105234
29/2013										
09/2013	BELMONT	SMITH SMITH	34013207140000 34013207150000	Drilled Drilled	RICE DRILLING D LLC RICE DRILLING D LLC	BIGFOOT 7H BIGFOOT 9H	40.0251952	-80.9799201 -80.9798618	40.0511227 40.0449950	-80.9999114 -80.9932747
18/2013	BELMONT	SMITH					40.0252466 39.8925888	-80.9798618 -81.1587515	40.0449950 39.8649505	
22/2013			34013207160000	Drilling	GULFPORT ENERGY CORPORATION	WESLEY 2-8H				-81.1436189
22/2013	BELMONT	SOMERSET	34013207170000	Drilling	GULFPORT ENERGY CORPORATION	WESLEY 1-8H	39.8925502	-81.1587380	39.8648286	-81.1394992
12/2013	BELMONT	WARREN	34013207190000	Permitted	HESS OHIO DEVELOPMENTS LLC	WARREN BEL A 2H-21	39.9847689	-81.1959545	40.0023745	-81.2220758
05/2013	BELMONT	SMITH	34013207210000	Permitted	RICE DRILLING D LLC	BLUE THUNDER 10H	40.0244577	-81.0039479	40.0008168	-80.9904992
(05/2013	BELMONT	SMITH	34013207220000	Permitted	RICE DRILLING D LLC	BLUE THUNDER 12H	40.0244566	-81.0038587	40.0015053	-80.9889564
12/2013	BELMONT	WARREN	34013207250000	Drilling	HESS OHIO DEVELOPMENTS LLC	WARREN BEL A 1H-21	39.9847419	-81.1959942	40.0012088	-81.2247103
/12/2013 /12/2013	BELMONT	WARREN	34013207260000	Drilling	HESS OHIO DEVELOPMENTS LLC	WARREN BEL A 3H-21	39.9847987	-81.1959146	40.0047399	-81.2209613
n 1/2012	BELMONT	WARREN	34013207270000	Permitted	HESS OHIO DEVELOPMENTS LLC	WARREN BEL A 4H-21	39.9848257	-81.1958785	40.0063174	-81.2188474

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02/19/2014	BELMONT BELMONT	SMITH WHEELING	34013207290000 34013207300000	Drilled Drilling	HESS OHIO RESOURCES LLC HESS OHIO RESOURCES LLC	SMITH A 1H-12 WHEELING A 5H-9	40.0200755 40.1498730	-80.9278409 -81.0172135	40.0014093 40.1642183	-80.9083506 -81.0257948
12/05/2013 04/15/2014	BELMONT	WAYNE	34013207300000	Permitted	GULFPORT ENERGY CORPORATION	PERKINS 4-4H	39.9112391	-81.01/2135 -81.0173790	39.9296940	-81.0257948 -81.0205551
04/15/2014	BELMONT	WAYNE	34013207310000	Permitted	GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	PERKINS 4-4H PERKINS 3-4H	39.9112391	-81.0173255	39.9293303	-81.0243751
04/15/2014	BELMONT	WAYNE	34013207320000	Drilling	GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	PERKINS 2-4H	39.9112432	-81.0172720	39.9279966	-81.0274916
12/12/2013	BELMONT	WAYNE	34013207340000	Drilling	GULFPORT ENERGY CORPORATION	PERKINS 1-4H	39.9112453	-81.0172185	39.9256932	-81.0299046
12/16/2013	BELMONT	RICHLAND	34013207350000	Drilled	HESS OHIO RESOURCES LLC	RICHLAND B 2H-34	40.0769387	-80.9975698	40.0908759	-81.0088812
12/31/2013	BELMONT	SOMERSET	34013207370000	Permitted	GULFPORT ENERGY CORPORATION	AMANDA 1-14H	39.8894268	-81.1701603	39.9119480	-81.1812913
12/31/2013	BELMONT	SOMERSET	34013207380000	Permitted	GULFPORT ENERGY CORPORATION	AMANDA 2-14H	39.8894081	-81.1702070	39.9119990	-81.1858323
12/31/2013	BELMONT	SOMERSET	34013207390000	Permitted	GULFPORT ENERGY CORPORATION	AMANDA 3-14H	39.8893895	-81.1702572	39.9149939	-81.1924214
12/31/2013	BELMONT	SOMERSET	34013207400000	Permitted	GULFPORT ENERGY CORPORATION	AMANDA 4-14H	39.8893736	-81.1703038	39.9135033	-81.1958899
01/24/2014	BELMONT	SOMERSET	34013207410000	Permitted	GULFPORT ENERGY CORPORATION	BAHMER 3-30H	39.9485676	-81.2046845	39.9271641	-81.1832777
01/24/2014	BELMONT	SOMERSET	34013207420000	Permitted	GULFPORT ENERGY CORPORATION	BAHMER 2-30H	39.9485265	-81.2046924	39.9217722	-81.1835439
01/24/2014	BELMONT	SOMERSET	34013207430000	Permitted	GULFPORT ENERGY CORPORATION	BAHMER 1-30H	39.9484882	-81.2047002	39.9193282	-81.1859541
02/10/2014	BELMONT	KIRKWOOD	34013207480000	Permitted	GULFPORT ENERGY CORPORATION	HAYES 3-1H	40.0447989	-81.1205758	40.0254148	-81.1113871
02/10/2014	BELMONT	KIRKWOOD	34013207490000	Drilled	GULFPORT ENERGY CORPORATION	HAYES 1-1H	40.0448059	-81.1204685	40.0280086	-81.1055356
02/10/2014	BELMONT	KIRKWOOD	34013207500000	Drilling	GULFPORT ENERGY CORPORATION	HAYES 2-1H	40.0448010	-81.1205221	40.0266647	-81.1084267
02/10/2014	BELMONT	KIRKWOOD	34013207510000	Permitted	GULFPORT ENERGY CORPORATION	HAYES 4-1H	40.0447968	-81.1206294	40.0241676	-81.1143438
03/13/2014	BELMONT	SOMERSET	34013207520000	Permitted	GULFPORT ENERGY CORPORATION	BROTHERS 1-36H	39.9504961	-81.2197945	39.9394956	-81.2088338
04/21/2014	BELMONT	SOMERSET	34013207530000	Drilling	GULFPORT ENERGY CORPORATION	BROTHERS 2-36H	39.9505356	-81.2196403	39.9382213	-81.2117963
03/13/2014	BELMONT	SOMERSET	34013207540000	Permitted	GULFPORT ENERGY CORPORATION	BROTHERS 3-36H	39.9505224	-81.2196905	39.9369470	-81.2147622
06/05/2014	BELMONT	SOMERSET	34013207550000	Permitted	GULFPORT ENERGY CORPORATION	BROTHERS 4-36H	39.9505460	-81.2195902	39.9407697	-81.2058677
02/26/2014	BELMONT	SOMERSET	34013207570100	Permitted	GULFPORT ENERGY CORPORATION	DUVALL 1-5H	39.9278298	-81.1254857	39.9062671	-81.1111176
02/26/2014	BELMONT	SOMERSET	34013207580000	Permitted	GULFPORT ENERGY CORPORATION	DUVALL 2-5H	39.9278710	-81.1254849	39.9064012	-81.1154927
02/26/2014	BELMONT	SOMERSET	34013207590000	Permitted	GULFPORT ENERGY CORPORATION	DUVALL 3-5H	39.9279121	-81.1254805	39.9091990	-81.1217863
03/11/2014	BELMONT	UNION	34013207610000	Drilling	GULFPORT ENERGY CORPORATION	TRIPLE B 1-21H	40.0686075	-81.0743649	40.0873069	-81.0825622
03/11/2014	BELMONT	UNION	34013207620000	Permitted	GULFPORT ENERGY CORPORATION	TRIPLE B 2-21H	40.0686082	-81.0744184	40.0840585	-81.0893585
05/13/2014 04/15/2014	BELMONT BELMONT	UNION	34013207630000 34013207640000	Drilling	GULFPORT ENERGY CORPORATION	TRIPLE B 3-21H SANDRA 1-31H	40.0686095 40.0408487	-81.0745256 -81.1085101	40.0870744 40.0550083	-81.0869668 -81.1116451
04/15/2014	BELMONT	UNION	34013207650000	Drilling Permitted	GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	SANDRA 2-31H	40.0408487	-81.1085003	40.0543789	-81.1160054
04/07/2014	BELMONT	YORK	34013207680000	Permitted	XTO ENERGY INC.	SCHNEGG UNIT B 3H	39.8640645	-80.8616121	39.8544128	-80.8498448
07/03/2014	BELMONT	YORK	34013207690000	Permitted	XTO ENERGY INC.	SCHNEGG UNIT C 5H	39.8640749	-80.8615656	39.8548258	-80.8442811
04/08/2014	BELMONT	YORK	3401320700000	Permitted	XTO ENERGY INC.	KASETA UNIT 7H	39.9155692	-80.8748638	39.9005500	-80.8565283
04/08/2014	BELMONT	YORK	34013207700000	Permitted	XTO ENERGY INC.	KASETA UNIT 3H	39.9155167	-80.8748437	39.8976622	-80.8660072
04/08/2014	BELMONT	YORK	34013207720000	Permitted	XTO ENERGY INC.	KASETA UNIT 1H	39.9154919	-80.8748371	39.8982328	-80.8626252
04/08/2014	BELMONT	YORK	34013207730000	Permitted	XTO ENERGY INC.	KASETA UNIT 5H	39.9155443	-80.8748537	39.9003034	-80.8600953
04/11/2014	BELMONT	MEAD	34013207740000	Permitted	XTO ENERGY INC.	KALDOR UNIT B 9H	39.9761434	-80.8381635	39.9899089	-80.8652611
04/11/2014	BELMONT	MEAD	34013207750000	Permitted	XTO ENERGY INC.	KALDOR UNIT B 7H	39.9760886	-80.8381755	39.9825934	-80.8636059
04/23/2014	BELMONT	MEAD	34013207760000	Permitted	XTO ENERGY INC.	KALDOR UNIT B 8H	39.9761160	-80.8381677	39.9856350	-80.8627776
05/02/2014	BELMONT	WASHINGTON	34013207800000	Permitted	GULFPORT ENERGY CORPORATION	LORNA 1C	39.9133311	-81.0046098	39.8991802	-80.9853729
05/06/2014	BELMONT	UNION	34013207810000	Permitted	GULFPORT ENERGY CORPORATION	SANDRA 3-31H	40.0407688	-81.1084903	40.0561826	-81.1213748
06/20/2014	BELMONT	WASHINGTON	34013207820000	Permitted	GULFPORT ENERGY CORPORATION	LORNA 2A	39.9132711	-81.0046467	39.8943125	-80.9919946
05/22/2014	BELMONT	KIRKWOOD	34013207830000	Permitted	GULFPORT ENERGY CORPORATION	SWALLIE 210041 1C	40.0389596	-81.1389539	40.0565486	-81.1462399
05/22/2014	BELMONT	KIRKWOOD	34013207840000	Permitted	GULFPORT ENERGY CORPORATION	SWALLIE 210041 2B	40.0389602	-81.1390074	40.0551703	-81.1493356
06/10/2014	BELMONT	WASHINGTON	34013207850000	Permitted	XTO ENERGY INC.	PAVICH UNIT 1H	39.8625496	-80.9218697	39.8474461	-80.9133856
06/05/2014	BELMONT	RICHLAND	34013207870000	Permitted	XTO ENERGY INC.	COOK UNIT 5H	40.0002976	-80.8906482	39.9905162	-80.8684592
06/10/2014	BELMONT	WASHINGTON	34013207880000	Permitted	XTO ENERGY INC.	PAVICH UNIT 7H	39.8626034	-80.9217866	39.8522579	-80.9068032
06/10/2014	BELMONT	WASHINGTON	34013207890000	Permitted	XTO ENERGY INC.	PAVICH UNIT 5H	39.8625873	-80.9218154	39.8489399	-80.9071214
06/10/2014	BELMONT	WASHINGTON	34013207900000	Permitted	XTO ENERGY INC.	PAVICH UNIT 3H	39.8625684	-80.9218408	39.8475539	-80.9087810
06/12/2014	BELMONT	WAYNE	34013207910000	Permitted	GULFPORT ENERGY CORPORATION	STRONZ 210170 6A	39.9319861	-81.1230998	39.9508839	-81.1391236
06/12/2014 06/12/2014	BELMONT	WAYNE	34013207920000 34013207930000	Permitted Permitted	GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	STRONZ 210170 1C	39.9320462	-81.1228418 -81.1229457	39.9535222 39.9522017	-81.1329719 -81.1360478
06/12/2014	BELMONT	WAYNE	34013207930000	Permitted	GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	STRONZ 210170 3B STRONZ 210233 4B	39.9320227 39.9320123	-81.1229457 -81.1229958	39.9522017	-81.1360478 -81.1088993
06/12/2014	BELMONT	WAYNE	34013207940000	Permitted	GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	STRONZ 210233 4B STRONZ 210233 5A	39.9320123	-81.1230496	39.9133358	-81.1088993 -81.1119498
06/12/2014	BELMONT	WAYNE	34013207960000	Permitted	GULFPORT ENERGY CORPORATION	STRONZ 210233 3A	39.9320358	-81.1230490	39.9160475	-81.1058558
06/20/2014	BELMONT	WASHINGTON	34013207900000	Permitted	GULFPORT ENERGY CORPORATION	LEPLEY 201218 3E	39.8786670	-80.9749650	39.8566516	-80.9591813
06/20/2014	BELMONT	WASHINGTON	34013208000000	Permitted	GULFPORT ENERGY CORPORATION	LEPLEY 210218 5D	39.8787417	-80.9750061	39.8568629	-80.9637758
06/20/2014	BELMONT	WASHINGTON	34013208020000	Permitted	GULFPORT ENERGY CORPORATION	LEPLEY 210218 1F	39.8785896	-80.9749239	39.8563818	-80.9545454
06/20/2014	BELMONT	WASHINGTON	34013208030000	Permitted	GULFPORT ENERGY CORPORATION	LEPLEY 210218 2C	39.8786283	-80.9749444	39.8945380	-80.9820273
06/20/2014	BELMONT	WASHINGTON	34013208040000	Permitted	GULFPORT ENERGY CORPORATION	LEPLEY 210218 6A	39.8787804	-80.9750266	39.8934816	-80.9901556
06/20/2014	BELMONT	WASHINGTON	34013208050000	Permitted	GULFPORT ENERGY CORPORATION	LEPLEY 210218 4B	39.8787057	-80.9749855	39.8949341	-80.9867557
06/26/2014	BELMONT	YORK	34013208060000	Permitted	XTO ENERGY INC.	KASETA UNIT B 4H	39.9156216	-80.8748840	39.9307181	-80.8854689
06/26/2014	BELMONT	YORK	34013208070000	Permitted	XTO ENERGY INC.	KASETA UNIT B 2H	39.9155968	-80.8748739	39.9318198	-80.8821373
06/26/2014	BELMONT	YORK	34013208080000	Permitted	XTO ENERGY INC.	KASETA UNIT B 8H	39.9156740	-80.8749006	39.9340812	-80.8755045
06/26/2014	BELMONT	YORK	34013208090000	Permitted	XTO ENERGY INC.	KASETA UNIT B 6H	39.9156492	-80.8748905	39.9329658	-80.8788295
07/09/2014	BELMONT	MEAD	34013208120000	Permitted	XTO ENERGY INC.	ALBRIGHT UNIT 2H	39.9544679	-80.8295704	39.9540160	-80.8463165
07/09/2014	BELMONT	MEAD	34013208130000	Permitted	XTO ENERGY INC.	ALBRIGHT UNIT 4H	39.9544314	-80.8295142	39.9583017	-80.8494148
07/09/2014	BELMONT	MEAD	34013208140000	Permitted	XTO ENERGY INC.	ALBRIGHT UNIT 6H	39.9544510	-80.8295422	39.9605684	-80.8458216

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Section Sect	07/14/2014	BELMONT	SMITH	34013208150000	Permitted	AMERICAN ENERGY UTICA LLC	EUREKA SMT BL 2H	40.0200489	-80.9279058	39.9990549	-80.9106749
Married Monte Married Marrie			AUGUSTA		Producing						
DATA	03/09/2011	CARROLL	EAST	34019220740000	Producing	CHESAPEAKE EXPLORATION LLC	BUCEY 21-14-4 3H	40.6815336	-80.9251544	40.6930049	-80.9344472
1979/1971 CARRY DAYS D	08/11/2011	CARROLL	WASHINGTON	34019220750000	Producing	CHESAPEAKE EXPLORATION LLC	NEIDER 10-14-5 3H	40.6019804	-81.0009288	40.6133981	-81.0112225
CAMPAIL CAMP		CARROLL									
SAMPLE MARIE MATERIAL MAT											
Execution Processing Proc	06/10/2011										
2009-11 CARGO SET MARCH SET MARCH SET											
SECURITY	06/27/2011		CENTER	34019220850000	Producing	CHESAPEAKE EXPLORATION LLC	BURGETT 7-15-6 8H-RS	40.5638889	-81.1295913	40.5466177	-81.1169956
SAME	09/20/2011	CARROLL	LEE	34019220880000	Producing	CHESAPEAKE EXPLORATION LLC	WHITE 17-13-5 8H	40.5317220	-81.0256461	40.5185983	-81.0162352
Description	08/24/2011	CARROLL	LEE	34019220890100	Producing	CHESAPEAKE EXPLORATION LLC	BAILEY 35-12-4 6H	40.5364389	-80.9731919	40.5215303	-80.9642887
Description	09/20/2011	CARROLL	LEE	34019220900100		CHESAPEAKE EXPLORATION LLC	TANNER 24-12-4 10H	40.5510135	-80.9299863	40.5390248	-80.9168761
DESTRUCTION		CARROLI	WASHINGTON								
CARRELL MARKET											
Policy P											
DAY-POST COMPAN, DEC. SECREPATION CONTRACT OF TAXABLE CO											
EXPLAYED SOURCE SECURITY											
100/2011 CAMPOLL 11											
PRINT CAMPOL FF					Producing	CHESAPEAKE EXPLORATION LLC	WHITE 17-13-5 3H				
TOTATION CARROLL LE	11/03/2011	CARROLL	LEE	34019220960000	Producing	CHESAPEAKE EXPLORATION LLC	HOUYOUSE 15-13-5 8H	40.5099568	-81.0292538	40.4957190	-81.0188020
PRINCIPAL CARROLL H SERIES/SERIES/CONTROLLED SERIES CASAMATE SERIES/CONTROLLED SERIES CASAMATE SERIES	10/31/2011	CARROLL	LEE		Producing	CHESAPEAKE EXPLORATION LLC	SNODDY 11-13-5 5H	40.5310592	-81.0138994	40.5437416	
17.17/27/211 CARROLL SEE MARCE MARCHEST CHARACTER CH											
1775/2071	L										
1778/2011 CARROLL SET MODERNING CHARACTER CONTROLLE SET SE											
17/9/2011 CARROLL EF											
10,000,001 CARROLL PAST S00221200000 Producing CHESPERKE PERIOR PRODUCT SUCCESS											
17/19/2013 CARRICL											
17/17/20711 CARROLL FF S009273100000 Promitted CHESPITATE EXPERIENCE LICE PARTY 11-4-5 6 H GLOSSOPP A 10/207970 A 10/20797	12/06/2011	CARROLL	EAST		Producing	CHESAPEAKE EXPLORATION LLC	BUCEY 21-14-4 5H	40.6814793	-80.9251954	40.6971258	-80.9330551
1727/70711 CAMPOLL MASHINGTON M019271000000 Permitted CISSAPARE PROPADION LIC PARTY 15-15-1014 0.0508579 41.020270 0.0508579 1.0202700 0.0508579 1.0202700 0.0508579 1.0202700 0.0508579 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0202700 1.0	12/06/2011	CARROLL	EAST	34019221040000	Producing	CHESAPEAKE EXPLORATION LLC	BUCEY 21-14-4 6H	40.6814813	-80.9253396	40.6688818	-80.9196894
1727/27011 CAMPOLI MASHINGTON M019227000000 Parmitted CIPSAPARE EPROPATION LIC HAMPY 16-16-5 10H 0.0558579 41.023201 0.056013 1.077777 1.0727011 CAMPOLI AUGUSTA AUGUS	12/15/2011	CARROLL	LEE		Producing	CHESAPEAKE EXPLORATION LLC	SNODDY 11-13-5 6H	40.5310453	-81.0140940	40.5188539	-81.0071970
12/23/2011 CARROLL MUSTA MOSTESTOPED CREATER EXPORATION LIC WEST 41-5-5 BH 0.075879 81,0232391 8.1030074 12/23/2011 CARROLL MUSTA MOSTESTOPED CREATER EXPORATION LIC WEST 41-5-5 BH 0.075879 81,0232391 8.1030074 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077 81,020077			WASHINGTON								
1727/20711 CARROLL AUGUSTA MOSP21080000 Permitted CHASPARE PROGRATIONILC WIST 41-5-5 BH 40-796499 81-054218 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318 81-050318											
1727/37011 CARROLL AUGUSTA 3409221000000 Permitted OHSPAFAE ENDATIONILLE MISSAGE 41,053.004 40,0797318 51,050000 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,000016 40,											
Composition											
CAMPOLL AUUSTA MOSISTELLI10000 Producing CHESPARE ENT/DATION LLC MANGUN 22-15-5 3H 40.672509 40.0523149 MO.8731435 49.093271 MO.873141 MO.8731500 MO.873141 MO.873141 MO.8731500 MO.8731500 MO.873141 MO.8731500 MO.873141 MO.8731500 MO.873141 MO.8731500 MO.873141 MO.8731500 MO.873141 MO.8731500 MO.873141 MO.8731500 MO.8731500 MO.873141 MO.8731500 MO.8731500 MO.873141 MO.8731500 MO.8731500 MO.873141 MO.8731500 MO.87315											
DATE CARPOLL PART A0193211130000 Producing OFSS-PARK EXPLORATION LLC SCHWLUX 3-1-4.4 8H 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419 40.545419					Producing						
127377011 CARROLL PERRY 3013221130000 Producing CHESPEARE EXPLORATION LC SCOTT 24 12 5 8H 00.465427 81.0418546 40.4528399 81.0324561	06/07/2012	CARROLL	AUGUSTA	34019221110000	Producing	CHESAPEAKE EXPLORATION LLC	MANGUN 22-15-5 3H	40.6728108	-81.0253149	40.6874335	-81.0356756
17/79/101 CARROLL PERRY 30/19/21/15/100 Producing CHESAPEAR EXPLORATION LC CARDILL PARRISTON 30/19/21/15/100 Permitted NEWEXT OPERATING L CARDILL SOUTH 40/71/15/7 81.1796/22 40/75/338 81.18/26/2 10/11/100/2 CARDILL BROWN 30/19/21/15/100 Permitted NEWEXT OPERATING L TOLTO WIT 2*H 40/71/15/7 81.1796/22 40/75/338 81.18/26/2 10/11/100/2 CARDILL BROWN 30/19/21/15/100 Permitted NEWEXT OPERATING L TOLTO WIT 2*H 40/71/15/7 81.1796/22 40/75/338 81.18/26/2 10/17/70/12 CARDILL BROWN 30/19/21/15/100 Permitted NEWEXT OPERATING L TOLTO WIT 3*H 40/71/15/7 81.1796/22 40/75/318 81.18/26/2 40/75/318 81.18/26/2 40/75/318 81.18/26/2 40/75/318 81.18/26/2 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/318 40/75/31	02/25/2013	CARROLL	EAST	34019221120000	Producing	CHESAPEAKE EXPLORATION LLC	SCHMUCK 31-14-4 8H	40.6454019	-80.9598716	40.6309444	-80.9492671
CARROLL MARKSON 3019221194000 Fermitted INNEVEST OPERATING L CARINS 21+ 40.5104719 81.1805088 40.5244845 81.1965088 101/11/2012 CARROLL BROWN 3019221191000 Fermitted INNEVEST OPERATING L FOLTZ UNIT 5+ 40.7111475 41.1759024 40.6707184 41.1655022 40.7753338 81.1865089 40.7747/2012 CARROLL PRINY 3019221191000 Producing CHESAPERANE ENDORATION LLC FULBLE 29-12-98 40.484973 81.0667020 40.6870184 81.1655022 40.7747/2012 CARROLL PRINY 3019221191000 Producing CHESAPERANE ENDORATION LLC FULBLE 29-12-98 40.684973 81.06560932 40.6940337 81.0957094 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.677154 40.67715	12/29/2011	CARROLL	PERRY	34019221130000		CHESAPEAKE EXPLORATION LLC	SCOTT 24-12-5 8H	40.4654247	-81.0418646	40.4526399	-81.0324561
DITTO CARROLL BROWN 34019221150100 Permitted SPENTST OPERATING FOLT UNIT 5H 40.7112075 31.1739522 A0.7253338 81.342962 DITTO CARROLL BROWN 34019221150000 Producing CHESAPEARE EPICRATION LLC FURIT 5H 40.7114075 31.1739564 A0.69570184 31.0650702 DITTO CARROLL FERT 34019221150000 Producing CHESAPEARE EPICRATION LLC FURIT 5H 40.648973 31.0650700 A0.439501 31.050942 DITTO CARROLL FERT 34019221150000 Producing CHESAPEARE EPICRATION LLC SUCT 21.44 H 40.6651336 30.925386 A0.593932 A0.7939707 A1.7057012 CARROLL FERT 34019221100000 Producing CHESAPEARE EPICRATION LLC SUCT 21.45 H 40.4655628 31.019335 A0.479670 81.052175 A0.7797012 CARROLL FAST 34019221200000 Producing CHESAPEARE EPICRATION LLC SUCT 21.42.5 H 40.655070 30.9388088 A0.6677156 30.0523807 A0.779570 A0.7797012 CARROLL FAST 34019221220000 Producing CHESAPEARE EPICRATION LLC SULT 21.42.5 H 40.655070 30.9388088 A0.6677156 30.0523807 A0.779570											
D1/11/2012 CARROLL P6RFY 34019221110000 Permitted ENENYSTO PERAPER EPIDARATION LC FUGICL 2912-58 H 40,4184973 81,1697059 40,4389970 81,1695632 10/20/2012 CARROLL P6RFY 34019221119000 Permitted CHESAPEARE EPIDARATION LC BUCFY 21-14-14 H 40,818356 80,9325386 40,649032 80,9397934 10/25/2012 CARROLL P6RFY 3401922119000 Permitted CHESAPEARE EPIDARATION LC BUCFY 21-14-14 H 40,818356 80,9325386 40,649032 80,9397934 10/25/2012 CARROLL P6RFY 3401922119000 Permitted CHESAPEARE EPIDARATION LC CARROLL EAST 34019221100000 Permitted CHESAPEARE EPIDARATION LC MALTER 36-16-73 H 40,6550210 81,3109073 40,6467743 81,3205654 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 40,749715 4											
OFFICE CARPOLL FERRY M019221170000 Producing CHESAPEAKE EXPLORATION LIC FLIGHE 29-12-5 BH 40,488973 81,0550964 40,989321 40,99321 40,012575012 CARPOLL FLORATOR FLORATOR CHESAPEAKE EXPLORATION LIC SCOTT 24-12-5 BH 40,4655628 81,013935 40,4799970 31,0521755 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000											
D1/20/2012 CARROLL FAST 34019211180000 Permitted CHESAPEARE EXPLORATION LIC SUCT 21-14-8 H 40.6815356 80.9257866 40.6940332 80.9937934 D1/25/2012 CARROLL FERRY 340192121200000 Permitted CHESAPEARE EXPLORATION LIC HAITER 36-16-7 3H 40.6505109 80.13109373 40.647743 81.320554 D1/25/2012 CARROLL FERRY 34019212120000 Producing CHESAPEARE EXPLORATION LIC BURRY 20-14-4 SH 40.6505109 80.13109373 40.647743 81.320554 D1/26/2012 CARROLL PERRY 34019212120000 Producing CHESAPEARE EXPLORATION LIC WAITER 30-15-5 SH 40.4713620 81.0595351 40.4573254 81.093590 D2/26/2012 CARROLL WASHINGTON 34019212120000 Producing CHESAPEARE EXPLORATION LIC WAITER 30-15-5 SH 40.4713620 81.0595351 40.4573254 81.093590 D2/26/2012 CARROLL WASHINGTON 34019212120000 Producing CHESAPEARE EXPLORATION LIC WIDDER 10-14-5 SH 40.6019411 81.0008685 40.5886921 D2/26/2012 CARROLL WASHINGTON 34019212120000 Producing CHESAPEARE EXPLORATION LIC WIDDER 10-14-5 SH 40.6019411 81.0008685 40.5886949 80.9886351 D3/27/2014 CARROLL AUGUSTA 34019212120000 Producing CHESAPEARE EXPLORATION LIC WIDDER 10-14-5 SH 40.6019411 81.0008685 40.5886949 80.9886351 D3/27/2014 CARROLL AUGUSTA 34019212120000 Producing CHESAPEARE EXPLORATION LIC COZIEN 14-15-5 SH 40.6859912 81.004627 40.7039797 81.004637 D3/27/2014 CARROLL AUGUSTA 34019212120000 Producing CHESAPEARE EXPLORATION LIC COZIEN 14-15-5 SH 40.6859912 81.004627 40.7039797 81.004637 D3/27/2014 CARROLL AUGUSTA 34019212120000 Producing CHESAPEARE EXPLORATION LIC COZIEN 14-15-5 SH 40.6859991 81.004627 40.7039797 81.004637 D3/27/2014 CARROLL AUGUSTA 34019212130010 Producing CHESAPEARE EXPLORATION LIC COZIEN 14-15-5 SH 40.6859991 81.004627 40.7039797 81.004637 D3/27/2012 CARROLL AUGUSTA 34019212130010 Producing CHESAPEARE EXPLORATION LIC COZIEN 14-15-5 SH 40.68											
D125/2012 CARROLL PERRY 34019221210000 Printucing CHESPFEARE EXPLORATION LLC HALTER 36-16-73 H 40.6550519 81.100973 40.659743 81.0025545											
D125/2012 CARROLL ROSE 34019221200000 Permitted CHSAPEAKE EXPLORATION LIC HALTER 36-16-7 3H 40,6580719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 40,0680719 4			EAST	34019221180000	Permitted	CHESAPEAKE EXPLORATION LLC	BUCEY 21-14-4 1H	40.6815356	-80.9252986	40.6940332	-80.9397934
D2/7/2012 CARROLL FAST 34019221210000 Producing CHESAPAKE EXPLORATION LIC MATERS 3019-215-8 40.671367.5 50.9382087 50.710/2012 CARROLL WASHINGTON 34019221230000 Producing CHESAPAKE EXPLORATION LIC NEIDER 10-14-5 EH 40.6020732 \$1.0008943 40.5866923 80.9320049 D2/08/2012 CARROLL WASHINGTON 34019221230000 Producing CHESAPAKE EXPLORATION LIC NEIDER 10-14-5 EH 40.6020732 \$1.0008943 40.5866923 80.9320049 D2/08/2012 CARROLL WASHINGTON 34019221240000 Producing CHESAPAKE EXPLORATION LIC NEIDER 10-14-5 EH 40.6019411 81.0008655 40.5864049 80.986631 M. S.	01/25/2012	CARROLL	PERRY	34019221190100	Producing	CHESAPEAKE EXPLORATION LLC	SCOTT 24-12-5 3H	40.4655628	-81.0419335	40.4796970	-81.0521755
OLISAPEARE EXPLORATION LIC WASTERS 30-12-5 8H 40.4713620 81.0595351 40.4573254 81.0493590	01/25/2012	CARROLL	ROSE	34019221200000	Permitted	CHESAPEAKE EXPLORATION LLC	HALTER 36-16-7 3H	40.6505109	-81.3100973	40.6647743	-81.3206564
OLISAPEARE EXPLORATION LIC WASTERS 30-12-5 8H 40.4713620 81.0595351 40.4573254 81.0493590											
OS.7007/2012 CARROLL MASHINGTON 34019221220000 Producing CHESAPEAKE EXPLORATION LLC NEIDER 10.14-5 6H 40.6020732 81.000943 40.5866923 80.9920049											
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D2/09/2012 CARROLL MASHINGTON 34019221250000 Producing CHESAPEAKE EXPLORATION LLC LOZIER 14-15-5 1H 40.681981 81.0008493 40.5900517 90.9854899											
03/21/2014 CARROLL AUGUSTA 34019221260000 Orifled CHESAPEAKE EXPLORATION LLC LOZIER 14-15-5 1H 40.6859981 81.0046827 40.7037977 81.0204637											
DAYON/2012 CARROLL AUGUSTA 34019221270000 Producing CHESAPEAKE EXPLORATION LLC LOZIER 14-15-5 3H A0.6859972 81.0046106 A0.7032328 81.0175953											
03/21/2014 CARROLL AUGUSTA 34019221280000 Drilled CHESAPEAKE EXPLORATION LIC LOZIER 14-15-5 5H 40.6859962 81.0045385 40.7057023 81.0159553											
D2/29/2012 CARROLL BROWN 3401922130100 Permitted CHESAPEAKE EXPLORATION LLC HEATON 24-16-6-8H 40.6775537 81.0960196 40.6641464 91.0860324	04/09/2012	CARROLL	AUGUSTA		Producing	CHESAPEAKE EXPLORATION LLC	LOZIER 14-15-5 3H	40.6859972	-81.0046106	40.7038238	-81.0175953
D2/29/2012 CARROLL BROWN 3401922130100 Permitted CHESAPEAKE EXPLORATION LLC HEATON 24-16-6-8H 40.6775537 81.0960196 40.6641464 91.0860324	03/21/2014	CARROLL	AUGUSTA	34019221280000	Drilled	CHESAPEAKE EXPLORATION LLC	LOZIER 14-15-5 5H	40.6859962	-81.0045385	40.7057023	-81.0159553
OS/03/2013 CARROLL WASHINGTON 34019221310100 Producing R E GAS DEVELOPMENT LLC DCEL 1H 40.6285987 80.9896197 40.6164919 80.9796818 80.9796818 80.979/2012 CARROLL WASHINGTON 34019221320100 Producing R E GAS DEVELOPMENT LLC BRACE 1H 40.6413926 81.0571059 40.6481402 45.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671059 81.0671											
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11/30/2012 CARROLL CENTER 34019221370000 Producing CHESAPEAKE EXPLORATION LLC BURGETT 7-15-6 10H 40.5438185 -81.1296719 40.5499691 -81.1149034 -80.7273012 CARROLL LOUDON 34019221380100 Producing CHESAPEAKE EXPLORATION LLC TUCKOSH 35-11-4 1H 40.4413813 -80.9697362 40.4550304 -80.9820117 -80.7272012 CARROLL LEE 34019221390100 Producing CHESAPEAKE EXPLORATION LLC P BROWN 9-13-5 1H 40.5023720 -81.0022476 40.5154263 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355 -81.0159355											
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04/02/2012 CARROLL LEE 34019221430000 Producing CHESAPEAKE EXPLORATION LLC WAGNER 11-13-5 5H 40.5442563 -81.0078073 40.5606191 -81.0152331			LOUDON		Producing						
	04/02/2012	CARROLL	LEE	34019221430000	Producing	CHESAPEAKE EXPLORATION LLC	WAGNER 11-13-5 5H	40.5442563	-81.0078073	40.5606191	-81.0152331

04/03/2012	CARROLL	ILEE	34019221440000	Producing	CHESAPEAKE EXPLORATION LLC	COE 34-12-4 5H	40.5192863	-80.9703515	40.5339954	-80.9803937
08/01/2012	CARROLL	FOX	34019221450000	Producing	CHESAPEAKE EXPLORATION LLC	MEISTER 11-13-4 3H	40.6277478	-80.8954131	40.6413898	-80.9068252
04/13/2012	CARROLL	FOX	34019221460000	Producing	CHESAPEAKE EXPLORATION LLC	STARKEY 36-13-4 8H	40.6412519	-80.9699757	40.6265127	-80.9591744
02/25/2013	CARROLL	UNION	34019221470000	Producing	CHESAPEAKE EXPLORATION LLC	CUMMINGS 17-14-6 10H	40.5359417	-81.1408279	40.5208458	-81.1309632
04/16/2012	CARROLL	UNION	34019221470100	Permitted	CHESAPEAKE EXPLORATION LLC	CUMMINGS 17-14-6 10H	40.5359417	-81.1408279	40.5239859	-81.1332153
04/24/2012	CARROLL	LOUDON	34019221480000	Producing	CHESAPEAKE EXPLORATION LLC	TUCKOSH 35-11-4 10H	40.4414070	-80.9696098	40.4285853	-80.9546690
04/27/2012	CARROLL	BROWN	34019221490100	Permitted	CHESAPEAKE EXPLORATION LLC	HEATON 24-16-6 10H	40.6775720	-81.0959399	40.6646880	-81.0820985
07/12/2012	CARROLL	LOUDON	34019221500000	Producing	CHESAPEAKE EXPLORATION LLC	ELWOOD 32-12-4 3H	40.4852424	-80.9634897	40.4970142	-80.9720679
05/10/2012	CARROLL	WASHINGTON	34019221510000	Producing	CHESAPEAKE EXPLORATION LLC	NEIDER 10-14-5 5H	40.6020313	-81.0008340	40.6159483	-81.0086761
05/22/2012	CARROLL	PERRY	34019221520100	Producing	CHESAPEAKE EXPLORATION LLC	EDIE 17-13-6 6H	40.4481691	-81.1423741	40.4326076	-81.1351218
05/10/2012	CARROLL	WASHINGTON	34019221530000	Producing	CHESAPEAKE EXPLORATION LLC	NEIDER 10-14-5 1H	40.6021142	-81.0008790	40.6123266	-81.0149676
05/10/2012	CARROLL	ROSE	34019221550000	Permitted	CHESAPEAKE EXPLORATION LLC	SILVIS 14-16-7 1H	40.5838012	-81.2499666	40.5967337	-81.2638439
05/10/2012	CARROLL	ORANGE	34019221560000	Producing	CHESAPEAKE EXPLORATION LLC	GARTRELL 23-13-6 8H	40.4513445	-81.1764257	40.4366674	-81.1657344
09/20/2012	CARROLL	LOUDON	34019221570000	Producing	CHESAPEAKE EXPLORATION LLC	WALKER 12-12-5 6H	40.4593927	-81.0090937	40.4433398	-81.0016846
09/18/2012	CARROLL	LOUDON	34019221580000	Producing	CHESAPEAKE EXPLORATION LLC	WALKER 12-12-5 8H	40.4593536	-81.0090407	40.4447378	-80.9983869
12/21/2012	CARROLL	LOUDON	34019221590000	Producing	CHESAPEAKE EXPLORATION LLC	WALKER 12-12-5 10H	40.4594217	-81.0090032	40.4461992	-80.9947032
05/14/2012	CARROLL	LOUDON	34019221600000	Producing	CHESAPEAKE EXPLORATION LLC	COLESCOTT 11-12-5 10H	40.4502524	-81.0155402	40.4373224	-81.0017157
04/23/2013	CARROLL	LEE	34019221610000	Drilled	CHESAPEAKE EXPLORATION LLC	P BROWN 9-13-5 5H	40.5024478	-81.0021668	40.5158930	-81.0077130
09/17/2012	CARROLL	LOUDON	34019221620000	Producing	CHESAPEAKE EXPLORATION LLC	LUCAS 35-11-4 6H	40.4495322	-80.9613594	40.4336144	-80.9532231
05/22/2012	CARROLL	FOX	34019221630100	Permitted	CHESAPEAKE EXPLORATION LLC	MEISTER 11-13-4 5H	40.6277797	-80.8953439	40.6427850	-80.9035193
05/25/2012	CARROLL	UNION	34019221640000	Producing	CHESAPEAKE EXPLORATION LLC	RUTLEDGE 10-14-6 6H	40.5296739	-81.1283891	40.5139320	-81.1210486
05/25/2012	CARROLL	UNION	34019221650000	Permitted	CHESAPEAKE EXPLORATION LLC	RUTLEDGE 10-14-6 5H	40.5297312	-81.1283591	40.5167026	-81.1145166
09/19/2012	CARROLL	FOX	34019221660000	Producing	CHESAPEAKE EXPLORATION LLC	BEADNELL 12-13-4 6H	40.6423922	-80.8960397	40.6267138	-80.8872878
06/06/2012	CARROLL	ROSE	34019221670100	Permitted	ENERVEST OPERATING L	EDWARDS 5-H	40.5840968	-81.3201827	40.5695739	-81.3087088
01/18/2013	CARROLL	WASHINGTON	34019221680000	Producing	CHESAPEAKE EXPLORATION LLC	HARVEY 16-14-5 1H	40.6060533	-81.0225782	40.6193530	-81.0365741
06/06/2012	CARROLL	LEE	34019221690000	Permitted	CHESAPEAKE EXPLORATION LLC	TANNER 24-12-4 3H	40.5511527	-80.9299254	40.5654216	-80.9404455
06/18/2012	CARROLL	FOX	34019221700000	Producing	CHESAPEAKE EXPLORATION LLC	STARKEY 36-13-4 5H	40.6413073	-80.9700105	40.6574681	-80.9773487
06/20/2012	CARROLL	AUGUSTA	34019221710000	Producing	CHESAPEAKE EXPLORATION LLC	LOZIER 14-15-5 8H	40.6859428	-81.0046479	40.6714562	-80.9939990
09/18/2012	CARROLL	UNION	34019221720000	Producing	CHESAPEAKE EXPLORATION LLC	RUTLEDGE 10-14-6 1H	40.5297574	-81.1284845	40.5419260	-81.1414865
09/04/2012	CARROLL	LOUDON	34019221730000	Producing	CHESAPEAKE EXPLORATION LLC	KOHLER 1-13-5 8H	40.4717859	-80.9928416	40.4591072	-80.9826340
02/22/2013	CARROLL	EAST	34019221740000	Producing	CHESAPEAKE EXPLORATION LLC	CONIGLIO 7-14-4 1H	40.7161484	-80.9591748	40.7321058	-80.9744772
06/27/2012	CARROLL	LOUDON	34019221750000	Producing	CHESAPEAKE EXPLORATION LLC	SLATES 16-12-5 8H	40.4406722	-81.0375234	40.4263269	-81.0271981
09/17/2012	CARROLL	UNION	34019221760000	Producing	CHESAPEAKE EXPLORATION LLC	RUTLEDGE 10-14-6 8H	40.5297156	-81.1284350	40.5153462	-81.1178971
10/30/2012	CARROLL	UNION	34019221770000	Producing	CHESAPEAKE EXPLORATION LLC	RUTLEDGE 10-14-6 10H	40.5296922	-81.1283096	40.5167161	-81.1144983
06/28/2012	CARROLL	HARRISON	34019221780000	Producing	CHESAPEAKE EXPLORATION LLC	MORSHEISER 26-15-6 10H	40.5791101	-81.1770401	40.5660310	-81.1630492
07/05/2012	CARROLL	LOUDON	34019221790000	Producing	CHESAPEAKE EXPLORATION LLC	COLESCOTT 11-12-5 3H	40.4503025	-81.0155894	40.4649535	-81.0261212
11/19/2013	CARROLL CARROLL	LOUDON	34019221800000	Drilled	CHESAPEAKE EXPLORATION LLC	LUCAS 35-11-4 8H	40.4494773	-80.9613643	40.4349247	-80.9498371
07/24/2012		LOUDON	34019221810000	Producing	CHESAPEAKE EXPLORATION LLC	ELWOOD SOUTH 32-12-4 8H	40.4851069	-80.9634173	40.4708256	-80.9530527
07/24/2012 07/13/2012	CARROLL	LOUDON	34019221820000 34019221830000	Producing	CHESAPEAKE EXPLORATION LLC	ELWOOD SOUTH 32-12-4 10H SLATES 16-12-5 10H	40.4851590 40.4406713	-80.9634161 -81.0374516	40.4722704	-80.9498738 -81.0238948
	CARROLL	LOUDON	34019221840000	Producing	CHESAPEAKE EXPLORATION LLC		40.4406713	-81.0374516	40.4277173	-81.0305019
07/13/2012 07/24/2012	CARROLL	LOUDON	34019221850000	Producing Producing	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	SLATES 16-12-5 6H SLATES 16-12-5 1H	40.440731	-81.0376300	40.4537089	-81.0514538
09/27/2012	CARROLL	LOUDON	34019221870000	Producing	CHESAPEAKE EXPLORATION LLC	HENDERSON FAMILY 34-11-4 6H	40.4388810	-80.9796490	40.4229487	-80.9721745
07/24/2012	CARROLL	LOUDON	34019221880000	Producing	CHESAPEAKE EXPLORATION LLC	COLESCOTT 11-12-5 5H	40.4503014	-81.0155103	40.4661221	-81.0226520
08/08/2012	CARROLL	LOUDON	34019221890000	Producing	CHESAPEAKE EXPLORATION LLC	HENDERSON FAMILY 34-11-4 5H	40.4389790	-80.9795892	40.4546411	-80.9866062
10/05/2012	CARROLL	HARRISON	34019221900000	Permitted	CHESAPEAKE EXPLORATION LLC	MORSHEISER 26-15-6 3H	40.5791654	-81.1770750	40.5935679	-81.1885929
07/25/2012	CARROLL	UNION	34019221910000	Producing	CHESAPEAKE EXPLORATION LLC	DAVIS FARMS 2-14-6 10H	40.5004770	-81.1049648	40.4865289	-81.0927163
08/03/2012	CARROLL	PERRY	34019221910000	Producing	CHESAPEAKE EXPLORATION LLC	SCOTT 24-12-5 10H	40.4654796	-81.0418634	40.4540539	-81.0290540
07/26/2012	CARROLL	PERRY	34019221920000	Producing	CHESAPEAKE EXPLORATION LLC	FLIGIEL 29-12-5 10H	40.4485522	-81.0607074	40.4356267	-81.0470075
07/26/2012	CARROLL	PERRY	34019221930000	Producing	CHESAPEAKE EXPLORATION LLC	FLIGIEL 29-12-5 6H	40.4485230	-81.0607799	40.4321545	-81.0531078
07/26/2012	CARROLL	LEE	34019221950000	Producing	CHESAPEAKE EXPLORATION LLC	COE 34-12-4 1H	40.5192313	-80.9703456	40.5306601	-80.9866258
07/27/2012	CARROLL	CENTER	34019221960100	Producing	CHESAPEAKE EXPLORATION LLC	KOVACH 3-15-6 1H	40.6021339	-81.1035337	40.6151231	-81.1174288
08/16/2012	CARROLL	BROWN	34019221970100	Producing	CHESAPEAKE EXPLORATION LLC	BOWLING 23-16-6 10H	40.6830995	-81.1163486	40.6702109	-81.1016910
08/10/2012	CARROLL	LEE	34019221980000	Producing	CHESAPEAKE EXPLORATION LLC	COE 34-12-4 8H	40.5191763	-80.9703396	40.5046941	-80.9598794
09/04/2012	CARROLL	LOUDON	34019221990000	Producing	CHESAPEAKE EXPLORATION LLC	ELWOOD 32-12-4 1H	40.4851875	-80.9634909	40.4955747	-80.9752834
10/23/2012	CARROLL	PERRY	34019222000000	Producing	CHESAPEAKE EXPLORATION LLC	FLIGIEL 29-12-5 7H	40.4486620	-81.0607051	40.4631957	-81.0626661
08/02/2012	CARROLL	PERRY	34019222010000	Producing	CHESAPEAKE EXPLORATION LLC	SCOTT 24-12-5 1H	40.4655079	-81.0419347	40.4784255	-81.0556112
08/02/2012	CARROLL	PERRY	34019222020000	Producing	CHESAPEAKE EXPLORATION LLC	SCOTT 24-12-5 5H	40.4655344	-81.0418622	40.4813589	-81.0490116
08/10/2012	CARROLL	LEE	34019222030000	Producing	CHESAPEAKE EXPLORATION LLC	COE 34-12-4 10H	40.5191214	-80.9703373	40.5060980	-80.9564985
08/20/2012	CARROLL	LOUDON	34019222040000	Producing	CHESAPEAKE EXPLORATION LLC	ELWOOD 32-12-4 5H	40.4852139	-80.9634184	40.4986611	-80.9689698
10/19/2012	CARROLL	LOUDON	34019222050000	Producing	CHESAPEAKE EXPLORATION LLC	ELWOOD SOUTH 32-12-4 6H	40.4851325	-80.9634886	40.4694592	-80.9559529
09/04/2012	CARROLL	LOUDON	34019222060000	Producing	CHESAPEAKE EXPLORATION LLC	COLESCOTT 11-12-5 1H	40.4502535	-81.0156228	40.4635303	-81.0294414
08/03/2012	CARROLL	PERRY	34019222070000	Producing	CHESAPEAKE EXPLORATION LLC	SCOTT 24-12-5 6H	40.4654530	-81.0419359	40.4511818	-81.0360601
08/08/2012	CARROLL	LOUDON	34019222080000	Producing	CHESAPEAKE EXPLORATION LLC	HENDERSON FAMILY 34-11-4 8H	40.4389048	-80.9795837	40.4241022	-80.9687320
08/08/2012	CARROLL	LOUDON	34019222090000	Producing	CHESAPEAKE EXPLORATION LLC	HENDERSON FAMILY 34-11-4 3H	40.4389552	-80.9796545	40.4536738	-80.9902686
08/08/2012	CARROLL	LOUDON	34019222100000	Producing	CHESAPEAKE EXPLORATION LLC	HENDERSON FAMILY 34-11-4 1H	40.4389286	-80.9797197	40.4522599	-80.9935852
08/08/2012	CARROLL	EAST	34019222110000	Producing	CHESAPEAKE EXPLORATION LLC	HALEY 8-14-4 8H	40.7134663	-80.9439401	40.6998839	-80.9339856
100/00/2012										

O8/10/2012 CARROLL O8/20/2012 CARROLL O8/27/2012 CARROLL O8/27/2012 CARROLL O8/27/2012 CARROLL O8/27/2012 CARROLL O8/27/2012 CARROLL O8/27/2012 CARROLL O8/30/2012 CARROLL O8/30/2012 CARROLL O8/30/2012 CARROLL O9/04/2012 CARROLL O1/06/2012 CARROLL O1/06/2012 CARROLL O1/01/2012 CARROLL O1/01/2012 CARROLL O1/11/2013 CARROLL O1/11/2013 CARROLL O1/128/2013 CARROLL O1/28/2013 CARROLL O1/11/2012 CARROLL O1/11/2012 CARROLL O1/11/2012 CARROLL O1/11/2012 CARROLL O1/11/2013 CARROLL O1/12/2013 CARROL	LEE ORANGE LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON AUGUSTA AUGUSTA AUGUSTA LOUDON HARRISON UNION LOUDON LOUDON LOUDON LOUDON LOUDON	ORANGE 3 LOUDON 3 AUGUSTA 3 UNION 3 UNION 3 UNION 3 UNION 3 UNION 3 AUGUSTA 3 ERRY 3 EUDUDON 3 LOUDON 3 EAST 3	1019222130000 1019222130000 1019222150000 1019222150000 1019222150000 1019222170000 1019222190000 1019222200000 1019222200000 1019222200000 1019222200000 1019222200000 1019222200000 1019222200000 1019222230000 1019222230000 1019222230000 1019222230000 1019222230000 1019222300000 1019222300000 1019222300000 1019222300000 10192223300000 10192223300000 10192223300000 10192223300000 10192223300000 10192223300000 10192223300000 10192223300000 10192223300000 10192223300000 10192223300000 10192223300000 10192223300000 10192223400000 10192223400000 10192223400000 10192223400000 10192223400000 10192223400000 10192223400000 10192223400000	Producing	CHESAPEAKE EXPLORATION LLC SIERRA RESOURCES LLC CHESAPEAKE EXPLORATION LLC	COC 34-12-4 6H LEEPER 5-14-7 1H SLATES 16-12-5 5H HENDERSON FAMILY 34-11-4 10H KOHLER 1-13-5 5H KOHLER 1-13-5 5H KOHLER 1-13-5 1H KOHLER 1-13-5 6H HAWK 2-15-5 8H HAWK 2-15-5 6H KOHLER 1-13-5 1OH LUCAS 35-11-4 3H MORSHEISER 26-15-6 5H BRUNK 32-13-5 1H BRUNK 32-13-5 5H BRUNK 32-13-5 5H BRUNK 32-13-5 5H BRUNK 32-13-5 5H BRUNK 32-13-5 6H BRUNK 32-13-5 6H BRUNK 32-13-5 8H BRUNK 32-13-5 8H BRUNK 32-13-5 5H FLIGIEL 29-12-5 5H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.5192570 40.4481152 40.4407267 40.4390064 40.4718957 40.4718957 40.4718957 40.4718408 40.7134556 40.7134842 40.4718124 40.4496078 40.5791619 40.4976895 40.4977637 40.4977637 40.4977637 40.4977729 40.6335076 40.4977290 40.6335076 40.4486071 40.4486071 40.4486277 40.4486327 40.4486327 40.4486327 40.4768591 40.4768591 40.4768591 40.4768591 40.4768729 40.5297729 40.5297729 40.5207729	-80.9704205 -81.2295012 -81.0374863 -80.9752627 -80.9927679 -80.9928403 -81.0048895 -80.9927691 -80.9612642 -81.1770030 -81.0797038 -81.0797034 -81.0796414 -81.0796358 -81.0795679 -81.0795735 -81.2513699 -81.0607768 -81.0607776 -81.0607768 -81.0607776 -81.0607776 -81.0607062 -81.0230077 -80.9841133 -81.1284050 -81.0156526	40.5033619 40.4352904 40.4352887 40.4254802 40.4869029 40.488906 40.4556296 40.695372 40.695372 40.695372 40.695374 40.510426 40.510426 40.5114226 40.4836832 40.4848598 40.4861203 40.6191296 40.4859877 40.4964190 40.4364187 40.4364187 40.446690 40.4647234 40.540821	-80.9630894 -81.2192662 -81.0450343 -80.9654458 -80.9987628 -81.052737 -80.9864076 -80.9939282 -80.9970927 -80.971855 -80.962465 -81.1853499 -81.0919578 -81.0858274 -81.0728947 -81.0739595 -81.2409767 -81.0659185 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358
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OS/16/2012 CARROLL	LOUDON LOUDON LOUDON LOUDON AUGUSTA AUGUSTA AUGUSTA LOUDON LOUDON HARRISON UNION LOUDON LOUDON LOUDON LOUDON	LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 AUGUSTA 3 AUGUSTA 3 AUGUSTA 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 UNION 3 LOUDON 3	1019222160000 1019222170000 1019222180000 1019222180000 1019222190000 1019222200000 1019222200000 1019222230000 1019222230000 1019222230000 1019222250000 1019222250000 1019222250000 1019222280000 1019222300000 1019222300000	Producing	CHESAPEAKE EXPLORATION LLC	HENDERSON FAMILY 34-11-4 10H KOHLER 1-13-5 5H KOHLER 1-13-5 1H KOHLER 1-13-5 6H HAWK 2-15-5 8H HAWK 2-15-5 8H HAWK 2-15-5 6H KOHLER 1-3-5 10H LUCAS 35-11-4 3H MORSHEISER 26-15-6 5H BRUNK 32-13-5 1H BRUNK 32-13-5 1H BRUNK 32-13-5 5H BRUNK 32-13-5 8H BRUNK 32-13-5 8H BRUNK 32-13-5 8H FLIGIEL 29-12-5 5H FLIGIEL 29-12-5 5H FLIGIEL 29-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4390064 40.4718673 40.4718673 40.4718408 40.7134556 40.7134842 40.4718124 40.496078 40.5791619 40.497637 40.4977637 40.4977637 40.4977637 40.4977638 40.4977638 40.4977638 40.4977638 40.4976722 40.4976548 40.4976722 40.4976548 40.4976722 40.4976548 40.4976548 40.4976591 40.4486327 40.4486327 40.4486327 40.4486327 40.4486329 40.4768591 40.5297729 40.4502044	-80.9752627 -80.9927679 -80.9927679 -80.9928403 -81.0047999 -81.0048895 -80.9927691 -80.9612642 -81.1770030 -81.0797038 -81.0797094 -81.0796414 -81.0796358 -81.0795679 -81.0795735 -81.2513699 -81.0607768 -81.0607778 -81.0607776 -81.0607776 -81.0607776 -81.0230077 -80.9841133 -81.1284050	40.4254802 40.4869029 40.4858069 40.4556296 40.695372 40.6980496 40.4602913 40.4616025 40.5949417 40.5086274 40.5100146 40.5114226 40.4836832 40.4848598 40.4861203 40.6191296 40.4617102 40.459877 40.4604190 40.4364187 40.4364187 40.4496690 40.4647234 40.5440821	-80.9654458 -80.9987628 -81.0052737 -80.9864076 -80.9939282 -80.9970927 -80.9791855 -80.9692465 -81.1853499 -81.0919578 -81.0858274 -81.0728947 -81.0728947 -81.0728947 -81.073595 -81.2409767 -81.0659185 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358
08/27/2012 CARROLL 08/27/2012 CARROLL 08/27/2012 CARROLL 08/30/2012 CARROLL 08/30/2012 CARROLL 08/30/2012 CARROLL 09/04/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 11/2/02/2012 CARROLL 10/16/2012 CARROLL 11/28/2013 CARROLL 11/28/2013 CARROLL 11/28/2013 CARROLL 10/16/2012 CARROLL 10/18/2013 CARROLL 10/18/2012 CARROLL 10/18/2012 CARROLL 10/19/2012 CARROLL 10/10/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/13/2012 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 10/12/2013 CARROLL	LOUDON LOUDON LOUDON AUGUSTA AUGUSTA LOUDON HARRISON UNION LOUDON LOUDON LOUDON	LOUDON 3 LOUDON 3 LOUDON 3 AUGUSTA 3 AUGUSTA 3 AUGUSTA 3 LOUDON 3 HARRISON 3 UNION 3 LOUDON 3	1019222170000 1019222180000 1019222180000 1019222200000 1019222200000 1019222200000 1019222230000 1019222230000 1019222230000 1019222250000 1019222250000 1019222230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000	Producing	CHESAPEAKE EXPLORATION LLC	KOHLER 1-13-5 5H KOHLER 1-13-5 1H KOHLER 1-13-5 1H KOHLER 1-13-5 6H HAWK 2-15-5 8H HAWK 2-15-5 8H HAWK 2-15-5 6H KOHLER 1-13-5 10H LUCAS 33-11-4 3H MORSHEISER 26-15-6 5H BRUNK 32-13-5 1H BRUNK 32-13-5 1H BRUNK 32-13-5 5H BRUNK 32-13-5 8H BRUNK 32-13-5 8H BRUNK 32-13-5 8H BRUNK 32-13-5 8H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4718673 40.4718957 40.4718408 40.7134556 40.7134556 40.7134842 40.4718124 40.496078 40.5791619 40.4976855 40.4977637 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977463 40.4977	-80.9927679 -80.9928403 -81.0047999 -81.0048895 -80.9927691 -80.9927691 -80.9612642 -81.1770030 -81.0797038 -81.0797034 -81.0796414 -81.0796358 -81.0795679 -81.0795735 -81.2513699 -81.0607778 -81.0607778 -81.0607776 -81.0607776 -81.0607776 -81.0607776 -81.0607776 -81.0841133 -81.1284050	40.4869029 40.4838806 40.4556296 40.6995372 40.6980496 40.4602913 40.4616025 40.5949417 40.5086274 40.5100146 40.5114226 40.4836832 40.4848598 40.4848598 40.4617102 40.4617102 40.4598877 40.4604190 40.4364187 40.4364187 40.4496690 40.4647234 40.5445821	-80.9987628 -81.0052737 -80.9864076 -80.9939282 -80.9970927 -80.9791855 -81.1853499 -81.0919578 -81.0858274 -81.0701730 -81.0701730 -81.0659185 -81.0725976 -81.0659185 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0345554 -80.9737180 -81.1388083
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CARROLL O9/04/2012 CARROLL O9/04/2012 CARROLL O9/04/2012 CARROLL O9/14/2012 CARROLL O1/05/2012 CARROLL O1/10/2012 CARROLL O1/16/2012 CARROLL O1/11/2013 CARROLL O1/11/2013 CARROLL O1/11/2013 CARROLL O1/11/2013 CARROLL O1/11/2013 CARROLL O1/128/2013 CARROLL O1/128/2013 CARROLL O1/128/2013 CARROLL O1/28/2013 CARROLL O1/26/2012 CARROLL O1/26/2012 CARROLL O1/26/2012 CARROLL O1/26/2012 CARROLL O1/26/2012 CARROLL O1/26/2012 CARROLL O1/11/2013 CARROLL O1/12/2013 CARROLL O1/24/2013 CARROLL O1/24/2	AUGUSTA LOUDON HARRISON UNION ENSE PERRY PERRY PERRY PERRY PERRY LOUDON LOUDON LOUDON LOUDON LOUDON	AUGUSTA 3 LOUDON 3 LOUDON 3 HARRISON 3 UNION 3 LOUDON 3	1019222210000 1019222210000 1019222230000 1019222230000 1019222240000 1019222250000 1019222250000 1019222230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000	Permitted Producing	CHESAPEAKE EXPLORATION LLC	HAWK 2-15-5 6H KOHLER 1-13-5 10H LUCAS 35-11-4 3H MORSHEISER 26-15-6 5H BRUNK 32-13-5 1H BRUNK 32-13-5 3H BRUNK 32-13-5 5H BRUNK 32-13-5 6H BRUNK 32-13-5 8H BRUNK 32-13-5 8H BRUNK 32-13-5 8H FLIGIEL 29-12-5 10H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.7134842 40.4718124 40.4496078 40.5791619 40.4976895 40.4977637 40.4977463 40.4976522 40.4976548 40.4977290 40.6335076 40.4486071 40.4486778 40.4486327 40.4486327 40.4486327 40.4486394 40.4768591 40.5297729 40.5207729	-81.0048895 -80.9927691 -80.9927691 -80.9612642 -81.1770030 -81.0797038 -81.0797094 -81.0796414 -81.0796358 -81.0795679 -81.0795735 -81.2513699 -81.0607768 -81.0607776 -81.0607776 -81.0607762 -81.0230077 -80.9841133 -81.1284050	40.6980496 40.4602913 40.4616025 40.5949417 40.5086274 40.5100146 40.5114226 40.4836832 40.4848598 40.4861203 40.6191296 40.4617102 40.4589877 40.4604190 40.4364187 40.43664190 40.4364187 40.4496690 40.4647234 40.5440821	-80.9970927 -80.9791855 -80.9692465 -81.1853499 -81.0919578 -81.0886878 -81.07528947 -81.0701730 -81.067595 -81.2409767 -81.0659185 -81.0725576 -81.0659185 -81.0735554 -81.0345554 -80.9737180 -81.1388083
09/04/2012 CARROLL 09/14/2012 CARROLL 10/05/2012 CARROLL 10/10/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/14/2013 CARROLL 10/14/2013 CARROLL 10/28/2013 CARROLL 01/28/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 02/25/2013 CARROLL 02/25/2013 CARROLL 02/25/2013 CARROLL 03/08/2	LOUDON LOUDON HARRISON UNION UNION UNION UNION UNION UNION UNION UNION ROSE PERRY PERRY PERRY PERRY LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON	LOUDON 3 LOUDON 3 LOUDON 3 HARRISON 3 UNION 3 LOUDON 3	101922220000 1019222230000 1019222240000 1019222250000 1019222250000 1019222260000 1019222280000 1019222280000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 101922330000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000	Producing	CHESAPEAKE EXPLORATION LLC	KOHLER 1-13-5 10H LUCAS 35-11-4 3H MORSHEISER 26-15-6 5H BRUNK 32-13-5 1H BRUNK 32-13-5 3H BRUNK 32-13-5 5H BRUNK 32-13-5 5H BRUNK 32-13-5 6H BRUNK 32-13-5 10H NANCY BURKHART 17-16-7 8H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H RUNG 32-13-5 8H RUNK 32-13-5 8H RUNK 32-13-5 10H RUNK 32-13-5 8H RUNK 32-13-5 8H RUNK 32-13-5 8H RUNK 32-13-5 8H RUNK 32-13-5 6H	40.4718124 40.4496078 40.5791619 40.4976895 40.4977637 40.4977637 40.4976722 40.4976722 40.4976548 40.4977290 40.6335076 40.4486071 40.4485778 40.4486327 40.4486327 40.4486327 40.4486327 40.4768591 40.4768591 40.5297729 40.4502044	-80.9927691 -80.9612642 -81.1770030 -81.0797038 -81.0797094 -81.0796414 -81.0796358 -81.0795679 -81.0795735 -81.2513699 -81.0607063 -81.0607768 -81.0607776 -81.0607762 -81.0230077 -80.9841133 -81.1284050	40.4602913 40.4616025 40.5949417 40.5086274 40.5100146 40.5114226 40.4836832 40.4848598 40.4861203 40.6191296 40.4617102 40.459877 40.4604190 40.4364187 40.4496690 40.467234 40.5440821	-80.9791855 -80.9692465 -81.1853499 -81.0919578 -81.0886878 -81.0853274 -81.0728947 -81.0701730 -81.0673595 -81.2409767 -81.0659185 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0432358
O9/14/2012 CARROLL	LOUDON HARRISON UNION UNION UNION UNION UNION UNION UNION UNION ROSE PERRY PERRY PERRY PERRY LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON	LOUDON 3 HARRISON 3 UNION 3 PERRY 3 PERRY 3 PERRY 3 PERRY 3 PERRY 3 LOUDON 3	101922230000 1019222240000 1019222250000 1019222250000 1019222270000 1019222280000 1019222290000 101922230000 101922230000 101922230000 101922230000 101922230000 1019222350000 1019222350000 1019222350000 1019222350000 1019222350000 1019222350000 1019222350000 1019222350000 1019222340000 1019222340000 1019222340000 1019222340000 1019222340000	Producing	CHESAPEAKE EXPLORATION LLC	LUCAS 35-11-4 3H MORSHEISER 26-15-6 5H BRUNK 32-13-5 1H BRUNK 32-13-5 3H BRUNK 32-13-5 5H BRUNK 32-13-5 6H BRUNK 32-13-5 6H BRUNK 32-13-5 6H BRUNK 32-13-5 10H NANCY BURKHART 17-16-7 8H FLIGIEL 29-12-5 5H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4496078 40.5791619 40.4976895 40.4977637 40.4977637 40.4976722 40.4976722 40.4976548 40.4977290 40.6335076 40.4486071 40.4486071 40.4486327 40.4486327 40.4408394 40.4768591 40.5297729 40.4502044	-80.9612642 -81.1770030 -81.0797038 -81.0797094 -81.0796414 -81.0796358 -81.0795679 -81.0795735 -81.2513699 -81.0607768 -81.0607778 -81.0607776 -81.0607776 -81.0230077 -80.9841133 -81.1284050	40.4616025 40.5949417 40.5086274 40.5100146 40.5114226 40.4836832 40.4848598 40.4861203 40.6191296 40.4617102 40.459877 40.4604190 40.4364187 40.4364187 40.4496690 40.4647234 40.5440821	-80.9692465 -81.1853499 -81.0919578 -81.0853274 -81.0728947 -81.07728947 -81.073595 -81.2409767 -81.0659185 -81.0432358 -81.0432358 -81.0432358 -81.0432358 -81.0345554 -80.9737180 -81.1388083
10/05/2012 CARROLL 10/10/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 11/20/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 11/20/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/11/2013 CARROLL 11/28/2012 CARROLL 11/28/2012 CARROLL 11/28/2013 CARROLL 11/28/2013 CARROLL 11/28/2013 CARROLL 10/16/2012 CARROLL 10/16/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/26/2012 CARROLL 10/23/2012 CARROLL 10/23/2012 CARROLL 10/23/2012 CARROLL 10/23/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/11/2013 CARROLL 11/13/2012 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 10/24/2013 CARROLL 00/124/2013 CARROLL 00/124/2013 CARROLL 00/2013 CARROLL 00/2013 CARROLL	HARRISON UNION UNION UNION UNION UNION UNION UNION UNION ROSE PERRY PERRY PERRY PERRY PERRY LOUDON LOUDON LOUDON LOUDON LOUDON	HARRISON 3 UNION 3 ERRY 3 ER	1019222240000 1019222250000 1019222250000 1019222270000 1019222280000 1019222280000 1019222280000 1019222300000 1019222300000 1019222330000 1019222330000 1019222350000 1019222350000 1019222350000 1019222350000 1019222350000 1019222390000 1019222390000 1019222390000 1019222390000 1019222400000	Producing	CHESAPEAKE EXPLORATION LLC	MORSHEISER 26-15-6 5H BRUNK 32-13-5 1H BRUNK 32-13-5 5H BRUNK 32-13-5 5H BRUNK 32-13-5 6H BRUNK 32-13-5 8H BRUNK 32-13-5 8H BRUNK 32-13-5 8H BRUNK 32-13-5 10H NANCY BURKHART 17-16-7 8H FLIGIEL 29-12-5 5H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.5791619 40.4976895 40.4977637 40.4977463 40.4977622 40.4976528 40.4977290 40.6335076 40.4486071 40.4485778 40.4486327 40.4486327 40.4486327 40.4486329 40.4768591 40.5297729 40.5297729 40.5702044	-81.1770030 -81.0797038 -81.0797094 -81.0796414 -81.0796358 -81.0795679 -81.0795735 -81.2513699 -81.06077063 -81.0607776 -81.0607776 -81.0607762 -81.0230077 -80.9841133 -81.1284050	40.5949417 40.5086274 40.5100146 40.5114226 40.4836832 40.4848598 40.4861203 40.6191296 40.4617102 40.4589877 40.4604190 40.4364187 40.4364187 40.4496690 40.4647234 40.5440821	-81.1853499 -81.0919578 -81.0886878 -81.0853274 -81.0701730 -81.0701730 -81.0673595 -81.2409767 -81.0659185 -81.0725576 -81.0639498 -81.0345554 -80.9737180 -81.1388083
10/10/2012 CARROLL 10/16/2012 CARROLL 11/16/2012 CARROLL 11/20/2012 CARROLL 11/20/2012 CARROLL 11/20/2012 CARROLL 11/20/2012 CARROLL 11/20/2012 CARROLL 10/10/2012 CARROLL 10/10/2012 CARROLL 10/11/2013 CARROLL 11/28/2012 CARROLL 01/11/2013 CARROLL 01/128/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 01/28/2013 CARROLL 01/28/2012 CARROLL 01/26/2012 CARROLL 10/30/2012 CARROLL 10/30/2012 CARROLL 10/30/2012 CARROLL 11/13/2012 CARROLL 11/13/2013 CARROLL 03/08/2013 CARROLL 03/12/2013 CARROLL 05/30/2013 CARROLL 04/17/2013 CARROLL 01/24/2013 CARROLL	UNION UNION UNION UNION UNION UNION UNION UNION UNION PERRY PERRY PERRY PERRY PERRY PUDDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON	UNION 3 PERRY 3 PERRY 3 PERRY 3 LOUDON 3	1019222250000 1019222250000 1019222260000 1019222280000 1019222280000 101922230000 101922230000 1019222310000 1019222340000 1019222340000 1019222350000 1019222350000 1019222350000 1019222380000 1019222380000 1019222390000 1019222390000 1019222340000 1019222400000 1019222400000	Producing	CHESAPEAKE EXPLORATION LLC	BRUNK 32-13-5 1H BRUNK 32-13-5 3H BRUNK 32-13-5 5H BRUNK 32-13-5 6H BRUNK 32-13-5 6H BRUNK 32-13-5 8H BRUNK 32-13-5 10H NANCY BURKHART 17-16-7 8H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H RUNGEL 29-12-5 1H FLIGIEL 29-12-5 1H RUNGEL 29-12-5 1H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4976895 40.4977637 40.4977463 40.4976722 40.4976722 40.49767290 40.6335076 40.4486071 40.4485778 40.4486327 40.4486327 40.4486327 40.4768591 40.4768591 40.5297729 40.4502044	-81.0797038 -81.0797034 -81.0796941 -81.0796358 -81.0795679 -81.0795735 -81.2513699 -81.0607763 -81.0607776 -81.0607776 -81.0607762 -81.0230077 -80.9841133 -81.1284050	40.5086274 40.5100146 40.5114226 40.4836832 40.4848598 40.4861203 40.491296 40.4617102 40.4589877 40.4604190 40.4364187 40.496690 40.4647234 40.5440821	-81.0919578 -81.0886878 -81.0886878 -81.0728947 -81.0701730 -81.0673595 -81.2409767 -81.0659185 -81.0725576 -81.0639498 -81.0432358 -81.0345554 -80.9737180 -81.1388083
10/16/2012 CARROLL 10/16/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 10/01/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 11/18/2012 CARROLL 11/18/2013 CARROLL 11/28/2013 CARROLL 11/28/2013 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/18/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/26/2012 CARROLL 10/26/2012 CARROLL 10/26/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/13/2012 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/14/2013 CARROLL 11/14/2013 CARROLL 11/14/2013 CARROLL 10/124/2013 CARROLL 10/124/201	UNION UNION UNION UNION UNION UNION ROSE PERRY PERRY PERRY LOUDON LOUDON UNION LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON	UNION 3 PERRY 3 PERRY 3 PERRY 3 PERRY 3 UOUDON 3 LOUDON 3	1019222260000 1019222270000 1019222270000 1019222280000 101922230000 101922230000 101922230000 101922230000 101922230000 101922230000 1019222350000 1019222360000 1019222360000 1019222370000 1019222370000 1019222390000 1019222390000 1019222390000 1019222390000 1019222400000	Producing	CHESAPEAKE EXPLORATION LLC	BRUNK 32-13-5 3H BRUNK 32-13-5 5H BRUNK 32-13-5 5H BRUNK 32-13-5 6H BRUNK 32-13-5 8H BRUNK 32-13-5 10H NANCY BURKHART 17-16-7 8H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 3H FLIGIEL 29-12-5 3H FLIGIEL 29-12-5 1H FLIGIEL 39-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4977637 40.4977463 40.4976722 40.4976548 40.4977290 40.6335076 40.4486071 40.4485377 40.448537 40.4486334 40.4768591 40.5297729 40.4502044	-81.0797094 -81.0796414 -81.0796358 -81.0795679 -81.0795735 -81.2513699 -81.0607063 -81.0607776 -81.0607762 -81.0607062 -81.0230077 -80.9841133 -81.1284050	40.5100146 40.5114226 40.4836832 40.4848598 40.4861203 40.6191296 40.4617102 40.459877 40.4604190 40.4364187 40.4496690 40.467234 40.5440821	-81.0886878 -81.0853274 -81.0728947 -81.0701730 -81.0673595 -81.2409767 -81.0659185 -81.0725576 -81.0693498 -81.0432358 -81.0345554 -80.9737180 -81.1388083
10/16/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 10/01/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 11/28/2012 CARROLL 11/28/2013 CARROLL 01/28/2013 CARROLL 11/28/2013 CARROLL 11/28/2013 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/18/2013 CARROLL 10/18/2013 CARROLL 10/18/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/28/2013 CARROLL 10/26/2012 CARROLL 10/23/2012 CARROLL 10/23/2012 CARROLL 10/23/2012 CARROLL 10/30/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/19/2012 CARROLL 11/19/2013 CARROLL 02/11/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL 03/206/2013 CARROLL 03/206/201	UNION UNION UNION UNION UNION ROSE PERRY PERRY PERRY LOUDON LOUDON UNION LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON	UNION 3 UNION 3 UNION 3 UNION 3 ROSE 3 PERRY 3 PERRY 3 PERRY 3 PERRY 3 LOUDON 3	1019222270000 1019222280000 1019222300000 1019222300000 1019222310000 1019222330000 1019222330000 1019222330000 1019222350000 1019222350000 1019222350000 1019222370000 1019222390000 1019222390000 1019222390000 1019222340000 1019222340000 1019222340000	Producing Producing Producing Producing Permitted Producing	CHESAPEAKE EXPLORATION LLC	BRUNK 32-13-5 5H BRUNK 32-13-5 6H BRUNK 32-13-5 6H BRUNK 32-13-5 8H BRUNK 32-13-5 10H NANCY BURKHART 17-16-7 8H FLIGIEL 29-12-5 5H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4977463 40.4976722 40.4976548 40.4977290 40.6335076 40.4486071 40.4486377 40.4486327 40.4486327 40.4408394 40.4768591 40.5297729 40.4502044	-81.0796414 -81.0796358 -81.0795679 -81.0795735 -81.2513699 -81.0607063 -81.0607776 -81.0607776 -81.0607762 -81.0230077 -80.9841133 -81.1284050	40.5114226 40.4836832 40.4848598 40.4861203 40.6191296 40.4617102 40.4589877 40.4604190 40.4364187 40.4364187 40.4496690 40.647234 40.5440821	-81.0853274 -81.0728947 -81.0701730 -81.0673595 -81.2409767 -81.0659185 -81.0725576 -81.0639498 -81.0432358 -81.0345554 -80.9737180 -81.1388083
12/20/2012 CARROLL 12/20/2012 CARROLL 12/20/2012 CARROLL 10/01/2012 CARROLL 10/01/2012 CARROLL 10/16/2012 CARROLL 10/11/2013 CARROLL 01/11/2013 CARROLL 01/12/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 11/28/2012 CARROLL 01/28/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 01/28/2013 CARROLL 10/30/2012 CARROLL 10/30/2012 CARROLL 10/30/2012 CARROLL 10/30/2012 CARROLL 11/13/2012 CARROLL 11/13/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 05/30/2013 CARROLL 05/17/2013 CARROLL 01/24/2013 CARROLL	UNION UNION UNION ROSE PERRY PERRY PERRY PERRY LOUDON UNION LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON	UNION 3 UNION 3 UNION 3 ROSE 3 PERRY 3 PERRY 3 PERRY 3 LOUDON 3	1019222280000 1019222290000 1019222300000 1019222310000 1019222310000 1019222330000 1019222340000 1019222350000 1019222350000 1019222370000 1019222390000 1019222390000 1019222390000 1019222390000	Producing Producing Producing Producing Permitted Producing	CHESAPEAKE EXPLORATION LLC	BRUNK 32-13-5 6H BRUNK 32-13-5 8H BRUNK 32-13-5 10H NANCY BURKHART 17-16-7 8H FLIGIEL 29-12-5 5H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4976722 40.4976548 40.4977290 40.6335076 40.4486071 40.4485778 40.4486327 40.4486327 40.4486327 40.4408394 40.4768591 40.5297729 40.4502044	-81.0796358 -81.0795679 -81.0795735 -81.2513699 -81.0607768 -81.0607776 -81.0607776 -81.0607062 -81.0230077 -80.9841133 -81.1284050	40.4836832 40.4848598 40.4861203 40.6191296 40.4617102 40.4589877 40.4604190 40.4364187 40.4496690 40.4647234 40.5440821	-81.0728947 -81.0701730 -81.0673595 -81.2409767 -81.0659185 -81.0725576 -81.0639498 -81.0345554 -80.9737180 -81.1388083
12/20/2012 CARROLL 12/20/2012 CARROLL 10/01/2012 CARROLL 10/16/2012 CARROLL 20/11/2013 CARROLL 20/11/2013 CARROLL 20/11/2013 CARROLL 20/21/2013 CARROLL 20/21/2013 CARROLL 20/21/2013 CARROLL 20/21/2013 CARROLL 20/2012 CARROLL 20/2013 CARROLL 20/2012 CARROLL 20/2013 CARROLL 20/2014/2013 CARROLL 2	UNION UNION ROSE PERRY PERRY PERRY PERRY LOUDON LOUDON UNION LOUDON LOUDON LOUDON LOUDON LOUDON	UNION 3 UNION 3 ROSE 3 PERRY 3 PERRY 3 PERRY 3 PERRY 3 LOUDON 3	1019222290000 1019222300000 1019222310000 1019222310000 1019222330000 1019222340000 1019222350000 1019222360000 1019222370000 1019222390000 1019222390000 1019222390000 1019222390000 1019222390000	Producing	CHESAPEAKE EXPLORATION LLC	BRUNK 32-13-5 8H BRUNK 32-13-5 10H NANCY BURKHART 17-16-7 8H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 3H FLIGIEL 29-12-5 1H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4976548 40.4977290 40.6335076 40.4486071 40.4485778 40.4486327 40.4486327 40.4486324 40.4768591 40.5297729 40.4502044	-81.0795679 -81.0795735 -81.2513699 -81.0607763 -81.0607776 -81.0607062 -81.0230077 -80.9844133 -81.1284050	40.4848598 40.4861203 40.6191296 40.4617102 40.4589877 40.4604190 40.4364187 40.496690 40.467234 40.5440821	-81.0701730 -81.0673595 -81.2409767 -81.0659185 -81.0725576 -81.0693498 -81.0432358 -81.0345554 -80.9737180 -81.1388083
12/20/2012 CARROLL 10/01/2012 CARROLL 10/16/2012 CARROLL 01/11/2013 CARROLL 01/11/2013 CARROLL 11/28/2012 CARROLL 02/21/2013 CARROLL 01/28/2013 CARROLL 11/28/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 10/28/2013 CARROLL 10/29/2012 CARROLL 10/23/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/13/2012 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 05/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 01/12/4/2013 CARROLL 01/12/4/2013 CARROLL 01/12/4/2013 CARROLL 01/12/4/2013 CARROLL 01/24/2013 CARROLL	UNION ROSE PERRY PERRY PERRY PERRY LOUDON LOUDON UNION LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON	UNION 3 ROSE 3 PERRY 3 PERRY 3 PERRY 3 PERRY 3 LOUDON 3	101922230000 1019222310000 1019222330000 1019222330000 1019222340000 1019222350000 1019222360000 1019222360000 1019222370000 1019222390000 1019222390000 1019222400000 1019222400000	Producing Permitted Producing Permitted Producing Producing	CHESAPEAKE EXPLORATION LLC	BRUNK 32-13-5 10H NANCY BURKHART 17-16-7 8H FLIGIEL 29-12-5 5H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 3H FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4977290 40.6335076 40.4486071 40.4485778 40.4485327 40.4486327 40.4408394 40.4768591 40.5297729 40.4502044	-81.0795735 -81.2513699 -81.0607063 -81.0607788 -81.0607776 -81.0607062 -81.0230077 -80.9841133 -81.1284050	40.4861203 40.6191296 40.4617102 40.459877 40.4604190 40.4364187 40.4496690 40.467234 40.5440821	-81.0673595 -81.2409767 -81.0659185 -81.0725576 -81.0693498 -81.0432358 -81.0345554 -80.9737180 -81.1388083
10/01/2012 CARROLL 10/16/2012 CARROLL 10/16/2012 CARROLL 11/28/2012 CARROLL 11/28/2012 CARROLL 01/28/2013 CARROLL 11/28/2013 CARROLL 11/28/2012 CARROLL 10/16/2012 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 10/28/2013 CARROLL 10/26/2012 CARROLL 10/26/2012 CARROLL 10/26/2012 CARROLL 10/30/2012 CARROLL 10/30/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/13/2012 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 11/13/2013 CARROLL 03/10/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 01/12/4/2013 CARROLL 01/12/4/2013 CARROLL 01/12/2013 CARROLL	ROSE PERRY PERRY PERRY PERRY LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON	ROSE 3 PERRY PERRY 3 PERRY 3 PERRY 3 PERRY 3 PERRY 3 PERRY	1019222310000 1019222330000 1019222330000 1019222330000 1019222350000 1019222350000 1019222350000 1019222370000 1019222390000 1019222390000 1019222340000 1019222400000	Permitted Producing Promitted Producing Producing	CHESAPEAKE EXPLORATION LLC	NANCY BURKHART 17-16-7 8H FLIGIEL 29-12-5 5H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 3H FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.6335076 40.4486071 40.4485778 40.4485327 40.4486327 40.4408394 40.4768591 40.5297729 40.4502044	-81.2513699 -81.0607063 -81.0607788 -81.0607776 -81.06077062 -81.0230077 -80.9841133 -81.1284050	40.6191296 40.4617102 40.4589877 40.45604190 40.4364187 40.4496690 40.4647234 40.5440821	-81.2409767 -81.0659185 -81.0725576 -81.0693498 -81.0432358 -81.0345554 -80.9737180 -81.1388083
10/16/2012 CARROLL 11/12/013 CARROLL 11/28/2012 CARROLL 02/21/2013 CARROLL 02/21/2013 CARROLL 11/28/2013 CARROLL 11/28/2012 CARROLL 11/28/2012 CARROLL 11/28/2012 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 10/26/2012 CARROLL 10/26/2012 CARROLL 10/26/2012 CARROLL 10/26/2012 CARROLL 11/13/2012 CARROLL 11/13/2013 CARROLL 03/08/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 01/24/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL	PERRY PERRY PERRY PERRY LOUDON LOUDON UNION LOUDON LOUDON LOUDON LOUDON LOUDON	PERRY 3 PERRY 3 PERRY 3 PERRY 3 LOUDON 3 EAST 3	1019222320000 1019222330000 1019222340000 1019222350000 1019222350000 1019222370000 1019222370000 1019222390000 1019222400000 1019222400000 1019222400000	Producing Producing Producing Producing Producing Producing Producing Producing Producing Permitted Producing Producing	CHESAPEAKE EXPLORATION LLC	FLIGIEL 29-12-5 5H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4486071 40.4485778 40.4486327 40.4486327 40.4408394 40.4768591 40.5297729 40.4502044	-81.0607063 -81.0607788 -81.0607776 -81.06077062 -81.0230077 -80.9841133 -81.1284050	40.4617102 40.4589877 40.4604190 40.4364187 40.4496690 40.4647234 40.5440821	-81.0659185 -81.0725576 -81.0693498 -81.0432358 -81.0345554 -80.9737180 -81.1388083
01/11/2013 CARROLL 11/28/2012 CARROLL 02/21/2013 CARROLL 01/28/2013 CARROLL 11/28/2012 CARROLL 10/16/2012 CARROLL 03/08/2013 CARROLL 01/28/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 02/25/2013 CARROLL 10/23/2012 CARROLL 10/26/2012 CARROLL 05/06/2014 CARROLL 10/30/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/13/2012 CARROLL 10/11/2013 CARROLL 11/13/2012 CARROLL 13/12/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2	PERRY PERRY LOUDON LOUDON UNION LOUDON LOUDON LOUDON LOUDON LOUDON	PERRY 3 PERRY 3 PERRY 3 LOUDON 3 EAST 3	101922233000 1019222340000 1019222350000 1019222360000 1019222370000 1019222380000 1019222390000 1019222400000 1019222400000 1019222410000	Producing Producing Producing Producing Producing Producing Producing Permitted Producing Producing	CHESAPEAKE EXPLORATION LLC	FLIGIEL 29-12-5 1H FLIGIEL 29-12-5 3H FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4485778 40.4486327 40.448424 40.4408394 40.4768591 40.5297729 40.4502044	-81.0607788 -81.0607776 -81.0607062 -81.0230077 -80.9841133 -81.1284050	40.4589877 40.4604190 40.4364187 40.4496690 40.4647234 40.5440821	-81.0693498 -81.0432358 -81.0345554 -80.9737180 -81.1388083
11/28/2012 CARROLL 02/21/2013 CARROLL 01/28/2013 CARROLL 11/28/2012 CARROLL 10/16/2012 CARROLL 03/08/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 10/28/2013 CARROLL 10/26/2012 CARROLL 10/26/2012 CARROLL 10/26/2012 CARROLL 10/30/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 01/11/2013 CARROLL 01/11/2013 CARROLL 01/11/2013 CARROLL 11/13/2012 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 02/11/2013 CARROLL 05/30/2013 CARROLL 02/11/2013 CARROLL 02/11/2013 CARROLL 01/124/2013 CARROLL 01/124/2013 CARROLL 01/124/2013 CARROLL	PERRY PERRY LOUDON LOUDON LOUDON UNION LOUDON LOUDON LOUDON LOUDON LOUDON	PERRY 3 PERRY 3 LOUDON 3 LOUDON 3 UNION 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 EAST 3	1019222340000 1019222350000 101922350000 101922370000 101922370000 1019222390000 1019222400000 1019222400000 1019222410000	Producing Producing Producing Producing Producing Permitted Producing Producing	CHESAPEAKE EXPLORATION LLC	FLIGIEL 29-12-5 3H FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4486327 40.4484424 40.4408394 40.4768591 40.5297729 40.4502044	-81.0607776 -81.0607062 -81.0230077 -80.9841133 -81.1284050	40.4604190 40.4364187 40.4496690 40.4647234 40.5440821	-81.0693498 -81.0432358 -81.0345554 -80.9737180 -81.1388083
02/21/2013 CARROLL 01/28/2013 CARROLL 11/28/2012 CARROLL 10/16/2012 CARROLL 03/08/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 03/08/2013 CARROLL 02/25/2013 CARROLL 10/26/2012 CARROLL 10/26/2012 CARROLL 05/06/2014 CARROLL 10/30/2012 CARROLL 11/13/2012 CARROLL 12/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 01/24/2	PERRY LOUDON LOUDON UNION LOUDON LOUDON LOUDON LOUDON	PERRY 3 LOUDON 3 LOUDON 3 UNION 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 EAST 3	1019222350000 1019222360000 1019222370000 1019222380000 1019222380000 1019222390000 1019222410000 1019222410000	Producing Producing Producing Producing Permitted Producing Producing	CHESAPEAKE EXPLORATION LLC	FLIGIEL 29-12-5 12H APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4484424 40.4408394 40.4768591 40.5297729 40.4502044	-81.0607062 -81.0230077 -80.9841133 -81.1284050	40.4364187 40.4496690 40.4647234 40.5440821	-81.0432358 -81.0345554 -80.9737180 -81.1388083
01/28/2013	LOUDON UNION LOUDON LOUDON LOUDON LOUDON	LOUDON 3 LOUDON 3 UNION 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 EAST 3	4019222360000 4019222370000 4019222380000 4019222390000 4019222400000 4019222410000 4019222420000	Producing Producing Permitted Producing Producing Producing	CHESAPEAKE EXPLORATION LLC	APPALACHIAN 16-12-5 1H PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4408394 40.4768591 40.5297729 40.4502044	-81.0230077 -80.9841133 -81.1284050	40.4496690 40.4647234 40.5440821	-81.0345554 -80.9737180 -81.1388083
11/28/2012 CARROLL 10/16/2012 CARROLL 03/08/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 02/25/2013 CARROLL 10/22/2012 CARROLL 10/26/2012 CARROLL 10/30/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 01/11/2013 CARROLL 01/11/2013 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 02/11/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL	LOUDON UNION LOUDON LOUDON LOUDON	LOUDON 3 UNION 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 EAST 3	4019222370000 4019222380000 4019222390000 4019222400000 4019222410000 4019222420000	Producing Permitted Producing Producing	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	PALMER 1-13-5 8H RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.4768591 40.5297729 40.4502044	-80.9841133 -81.1284050	40.4647234 40.5440821	-80.9737180 -81.1388083
10/16/2012 CARROLL 03/08/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 03/08/2013 CARROLL 02/25/2013 CARROLL 10/23/2012 CARROLL 10/26/2012 CARROLL 10/30/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/13/2012 CARROLL 01/11/2013 CARROLL 01/11/2013 CARROLL 01/11/3013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 05/30/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 05/2013 CARROLL 05/2013 CARROLL 05/2013 CARROLL 05/20120 CARROLL	UNION LOUDON LOUDON LOUDON	UNION 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 LOUDON 3 EAST 3	4019222380000 4019222390000 4019222400000 4019222410000 4019222420000	Permitted Producing Producing	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	RUTLEDGE 10-14-6 3H COLESCOTT 11-12-5 6H	40.5297729 40.4502044	-81.1284050	40.5440821	-81.1388083
03/08/2013 CARROLL 01/28/2013 CARROLL 01/28/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 02/25/2013 CARROLL 10/23/2012 CARROLL 10/26/2012 CARROLL 10/30/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 01/11/2013 CARROLL 01/11/2013 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL	LOUDON	LOUDON 3 LOUDON 3 LOUDON 3 EAST 3	4019222400000 4019222410000 4019222420000	Producing	CHESAPEAKE EXPLORATION LLC			-81.0156526	140 4227001	
01/28/2013	LOUDON	LOUDON 3 LOUDON 3 LOUDON 3 EAST 3	4019222400000 4019222410000 4019222420000	Producing	CHESAPEAKE EXPLORATION LLC				40.4337901	-81.0078666
03/08/2013 CARROLL 02/25/2013 CARROLL 10/23/2012 CARROLL 10/26/2012 CARROLL 10/30/2012 CARROLL 10/30/2014 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 01/11/2013 CARROLL 01/11/2013 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 05/30/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL		LOUDON 3 EAST 3	4019222420000	Producing		APPALACHIAN 16-12-5 5H	40.4408376	-81.0228640	40.4525338	-81.0276286
02/25/2013 CARROLL 10/23/2012 CARROLL 10/25/2012 CARROLL 05/06/2014 CARROLL 10/30/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 12/14/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	LOUDON	EAST 3			CHESAPEAKE EXPLORATION LLC	APPALACHIAN 16-12-5 3H	40.4408385	-81.0229359	40.4511093	-81.0310560
10/23/2012 CARROLL 10/26/2012 CARROLL 10/36/2014 CARROLL 10/30/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 01/11/2013 CARROLL 01/11/2013 CARROLL 01/11/2013 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 11/13/2012 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL				Producing	CHESAPEAKE EXPLORATION LLC	COLESCOTT 11-12-5 8H	40.4502034	-81.0155736	40.4351989	-81.0045442
10/26/2012 CARROLL 05/06/2014 CARROLL 11/30/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/19/2012 CARROLL 01/11/2013 CARROLL 11/13/2012 CARROLL 01/11/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 01/11/2013 CARROLL	EAST	TATACHUNIOTON:	4019222430000	Producing	CHESAPEAKE EXPLORATION LLC	SCHMUCK 31-14-4 1H	40.6454854	-80.9599562	40.6591687	-80.9741411
05/06/2014 CARROLL 10/30/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 01/11/2013 CARROLL 01/11/2013 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	WASHINGTON	washington 3	4019222440000	Producing	R E GAS DEVELOPMENT LLC	GRAHAM 2H	40.6382501	-81.0480859	40.6460628	-81.0558693
10/30/2012 CARROLL 11/13/2012 CARROLL 11/14/2012 CARROLL 12/14/2012 CARROLL 11/14/2012 CARROLL 11/14/2012 CARROLL 11/19/2012 CARROLL 11/19/2012 CARROLL 01/11/2013 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	AUGUSTA	AUGUSTA 3	4019222450000	Permitted	CHESAPEAKE EXPLORATION LLC	HAWK 2-15-5 10H	40.7135105	-81.0047987	40.7008451	-80.9904681
11/13/2012 CARROLL 11/14/2012 CARROLL 12/14/2012 CARROLL 11/04/2012 CARROLL 11/09/2012 CARROLL 01/11/2013 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 11/13/2012 CARROLL 05/30/2013 CARROLL 05/17/2013 CARROLL 01/14/2013 CARROLL 02/11/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	FOX	FOX 3	4019222460000	Drilled	CHESAPEAKE EXPLORATION LLC	KRUPRZAK 17-13-4 8H	40.6223655	-80.9057357	40.5955521	-80.8860198
11/14/2012 CARROLL 12/14/2012 CARROLL 11/09/2012 CARROLL 01/11/2013 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/08/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	AUGUSTA	AUGUSTA 3	4019222470000	Producing	CHESAPEAKE EXPLORATION LLC	HAWK 2-15-5 1H	40.7135391	-81.0048883	40.7271911	-81.0183831
12/14/2012 CARROLL 11/09/2012 CARROLL 11/19/2013 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 05/17/2013 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	UNION		4019222480000	Producing	CHESAPEAKE EXPLORATION LLC	DAVIS FARMS 2-14-6 5H	40.5005188	-81.1050107	40.5152291	-81.1116337
11/09/2012 CARROLL 01/11/2013 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL 03/06/2013 CARROLL	EAST	EAST 3	4019222490000	Permitted	CHESAPEAKE EXPLORATION LLC	LESLIE 9-14-4 3H	40.7140444	-80.9333772	40.7319036	-80.9441067
01/11/2013 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 11/13/2012 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 02/11/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	LOUDON		4019222500000	Producing	CHESAPEAKE EXPLORATION LLC	PALMER 1-13-5 10H	40.4768955	-80.9841664	40.4638990	-80.9691470
11/13/2012 CARROLL 11/13/2012 CARROLL 03/08/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 11/13/2012 CARROLL 11/13/2012 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 05/30/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	WASHINGTON		4019222510000	Permitted	CHESAPEAKE EXPLORATION LLC	KRICHBAUM 2-14-5 10H	40.5806704	-80.9904420	40.5639736	-80.9741293
11/13/2012 CARROLL 03/08/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 11/13/2012 CARROLL 04/17/2013 CARROLL 04/17/2013 CARROLL 02/11/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	WASHINGTON		1019222520000	Producing	CHESAPEAKE EXPLORATION LLC	KRICHBAUM 2-14-5 8H	40.5806127	-80.9904361	40.5627756	-80.9775548
03/08/2013 CARROLL 03/12/2013 CARROLL 05/17/2013 CARROLL 11/13/2012 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	EAST		4019222530000	Producing	CHESAPEAKE EXPLORATION LLC	HALEY 8-14-4 10H	40.7134763	-80.9438713	40.7013250	-80.9303552
03/12/2013 CARROLL 05/17/2013 CARROLL 11/13/2012 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	EAST		4019222540000	Permitted	CHESAPEAKE EXPLORATION LLC	LESLIE 9-14-4 8H	40.7139753	-80.9333428	40.7002438	-80.9212044
05/17/2013	LOUDON		4019222550000	Producing	CHESAPEAKE EXPLORATION LLC	JC ACRES 12-12-5 10H	40.4694988	-81.0053485	40.4563295	-80.9892991
11/13/2012 CARROLL 04/17/2013 CARROLL 05/30/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	LOUDON		4019222560000	Producing	CHESAPEAKE EXPLORATION LLC	JC ACRES 12-12-5 5H	40.4695274	-81.0054377	40.4936082	-81.0173423
04/17/2013 CARROLL 05/30/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	LOUDON		4019222570000	Producing	CHESAPEAKE EXPLORATION LLC	JC ACRES 12-12-5 3H	40.4694869	-81.0054889	40.4951084	-81.0231631
05/30/2013 CARROLL 02/11/2013 CARROLL 01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	UNION		4019222580000	Producing	CHESAPEAKE EXPLORATION LLC	DAVIS FARMS 2-14-6 3H	40.5005605	-81.1050566	40.5139816	-81.1149365
02/11/2013	LEE		4019222590000	Producing	CHESAPEAKE EXPLORATION LLC	ENOLD 3-13-5 3H	40.5035176	-80.9916628	40.5157898	-80.9992047
01/24/2013 CARROLL 01/24/2013 CARROLL 03/06/2013 CARROLL	FOX		4019222600000	Permitted	CHESAPEAKE EXPLORATION LLC	CTF 32-13-4 3H	40.5736887	-80.9720271	40.5883579	-80.9826009
01/24/2013 CARROLL 03/06/2013 CARROLL	LOUDON		4019222610000	Producing	CHESAPEAKE EXPLORATION LLC	WALKER 12-12-5 1H	40.4594291	-81.0091432	40.4710449	-81.0216225
03/06/2013 CARROLL	LOUDON		1019222620000	Producing	CHESAPEAKE EXPLORATION LLC	WALKER 12-12-5 3H	40.4594999	-81.0091057	40.4723809	-81.0185877
	LOUDON		1019222630000	Producing	CHESAPEAKE EXPLORATION LLC	WALKER 12-12-5 5H	40.4594609	-81.0090563	40.4737141	-81.0155493 -81.0070740
02/06/2012 CARROLL	LOUDON		1019222640000	Producing	CHESAPEAKE EXPLORATION LLC	APPALACHIAN 16-12-5 10H	40.4407685	-81.0228296	40.4244292	
03/06/2013 CARROLL 03/06/2013 CARROLL	LOUDON		1019222650000	Producing	CHESAPEAKE EXPLORATION LLC	APPALACHIAN 16-12-5 8H	40.4407694	-81.0229015 -81.0229733	40.4229646 40.4215184	-81.0105444 -81.0139639
03/06/2013 CARROLL 12/14/2012 CARROLL			4019222660000 4019222670000	Producing	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	APPALACHIAN 16-12-5 6H PALMER 1-13-5 6H	40.4407704 40.4769920	-81.0229733 -80.9841965		-81.0139639 -80.9751926
12/14/2012 CARROLL 11/28/2012 CARROLL	LOUDON		1019222670000 1019222680000	Producing			40.4768637	-80.9841965 -80.9842534	40.4612291 40.4884965	-80.9953110
11/28/2012 CARROLL 03/07/2013 CARROLL	LOUDON		4019222680000 4019222690000	Producing Producing	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	PALMER 1-13-5 1H PALMER 1-13-5 5H	40.4768637	-80.9842534 -80.9842231	40.4884965	-80.9953110 -80.9896322
11/28/2012 CARROLL	LOUDON		4019222700000 4019222700000	Producing	CHESAPEAKE EXPLORATION LLC	PALMER 1-13-5 5H PALMER 1-13-5 3H	40.4769001	-80.9843065	40.4898855	-80.9919716
03/27/2013 CARROLL	LOUDON LOUDON LOUDON		4019222720000 4019222720000	Producing	CHESAPEAKE EXPLORATION LLC	ANDERSON 31-12-4 10H	40.4734298	-80.9696792	40.4548013	-80.9496477
03/27/2013 CARROLL 03/27/2013 CARROLL	LOUDON LOUDON LOUDON		1019222730000	Producing	CHESAPEAKE EXPLORATION LLC	ANDERSON 31-12-4 10H ANDERSON 31-12-4 6H	40.4733487	-80.9697709	40.4653824	-80.9653244
02/06/2013 CARROLL	LOUDON LOUDON LOUDON LOUDON LOUDON		4019222740000 4019222740000	Producing	CHESAPEAKE EXPLORATION LLC	ANDERSON 31-12-4 6H ANDERSON 31-12-4 5H	40.4734820	-80.9696780	40.4886880	-80.9749736
02/06/2013 CARROLL 02/06/2013 CARROLL	LOUDON LOUDON LOUDON LOUDON LOUDON		4019222750000	Producing	CHESAPEAKE EXPLORATION LLC	ANDERSON 31-12-4 3H	40.4734557	-80.9697685	40.4874875	-80.9778020
02/06/2013 CARROLL 02/06/2013 CARROLL	LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON		4019222760000 4019222760000	Producing	CHESAPEAKE EXPLORATION LLC	ANDERSON 31-12-4 3H ANDERSON 31-12-4 1H	40.4734008	-80.9697698	40.4862927	-80.9806446
12/04/2012 CARROLL	LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON LOUDON		4019222770000 4019222770000	Producing	CHESAPEAKE EXPLORATION LLC	JEFFERY 2-15-5 5H	40.7190987	-80.9954686	40.7322908	-81.0003516
03/27/2013 CARROLL	LOUDON	AUGUSTA	4019222780000	Producing	CHESAPEAKE EXPLORATION LLC	ANDERSON 31-12-4 8H	40.4733749	-80.9696805	40.4536041	-80.9526656
04/01/2013 CARROLL 04/01/2013 CARROLL	LOUDON AUGUSTA		4019222780000 4019222790000	Drilled	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	ENOLD 3-13-5 10H	40.5034583	-80.9915419	40.4904760	-80.9762667
04/01/2013 CARROLL 04/01/2013 CARROLL	LOUDON	LOUDON 3	4019222800000 4019222800000	Drilled	CHESAPEAKE EXPLORATION LLC	ENOLD 3-13-5 6H	40.5034585	-80.9916220	40.4877608	-80.9824520
04/01/2013 CARROLL	LOUDON AUGUSTA	LOUDON 3. LEE 3.		Drilled	CHESAPEAKE EXPLORATION LLC	ENOLD 3-13-5 8H	40.5033845	-80.9915616	40.4890979	-80.9793653

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04/17/2013	CARROLL	LEE	34019222820000	Drilled	CHESAPEAKE EXPLORATION LLC	ENOLD 3-13-5 5H	40.5034866	-80.9916024	40.5171509	-80.9962388
04/17/2013	CARROLL	LEE	34019222830000	Drilled	CHESAPEAKE EXPLORATION LLC	ENOLD 3-13-5 1H	40.5034465	-80.9916824	40.5174328	-81.0043331
12/07/2012	CARROLL	WASHINGTON	34019222840000	Producing	R E GAS DEVELOPMENT LLC	BRACE WEST 1H	40.6302143	-81.0504487	40.6383571	-81.0633162
12/07/2012	CARROLL	WASHINGTON	34019222850000	Producing	R E GAS DEVELOPMENT LLC	BRACE WEST 2H	40.6302136	-81.0503947	40.6399287	-81.0614479
12/11/2012	CARROLL	WASHINGTON	34019222860000	Producing	CHESAPEAKE EXPLORATION LLC	KRICHBAUM 2-14-5 1H	40.5806358	-80.9905292	40.5962763	-81.0056024
02/06/2013	CARROLL	EAST	34019222870000	Producing	CHESAPEAKE EXPLORATION LLC	MILLS 1-15-5 8H	40.7143977	-80.9775144	40.7023578	-80.9705943
01/31/2013	CARROLL	EAST	34019222880000	Producing	CHESAPEAKE EXPLORATION LLC	MILLS 1-15-5 1H	40.7144667	-80.9775489	40.7307095	-80.9947001
12/21/2012	CARROLL	UNION	34019222890000	Producing	CHESAPEAKE EXPLORATION LLC	DAVIS FARMS 2-14-6 1H	40.5006022	-81.1051025	40.5128278	-81.1184961
12/21/2012	CARROLL	FOX	34019222900000	Permitted	CHESAPEAKE EXPLORATION LLC	CTF 32-13-4 1H	40.5736144	-80.9720108	40.5869605	-80.9859096
01/09/2013	CARROLL	CENTER	34019222910000	Producing	CHESAPEAKE EXPLORATION LLC	BURGETT 7-15-6 1H	40.5637506	-81.1297309	40.5771620	-81.1438376
12/21/2012	CARROLL	CENTER	34019222920000	Producing	CHESAPEAKE EXPLORATION LLC	BURGETT 7-15-6 3H	40.5637832	-81.1297014	40.5785641	-81.1405435
12/21/2012	CARROLL	CENTER	34019222930000	Producing	CHESAPEAKE EXPLORATION LLC	BURGETT 7-15-6 5H	40.5638511	-81.1296424	40.5799580	-81.1372566
02/26/2013	CARROLL	UNION	34019222940000	Producing	CHESAPEAKE EXPLORATION LLC	MARSHA 18-14-6 6H	40.5539996	-81.1347976	40.5380182	-81.1248528
03/20/2013	CARROLL	UNION	34019222950000	Producing	CHESAPEAKE EXPLORATION LLC	PUTNAM 34-13-5 3H	40.5306290	-81.0767305	40.5479436	-81.0913524
05/17/2013	CARROLL	UNION	34019222960000	Producing	CHESAPEAKE EXPLORATION LLC	PUTNAM 34-13-5 8H	40.5305609	-81.0767679	40.5163464	-81.0678167
04/08/2013	CARROLL	UNION	34019222970000	Producing	CHESAPEAKE EXPLORATION LLC	PUTNAM 34-13-5 1H	40.5306299	-81.0768024	40.5455578	-81.0942422
04/23/2013	CARROLL	UNION	34019222980000	Producing	CHESAPEAKE EXPLORATION LLC	PUTNAM 34-13-5 10H	40.5305600	-81.0766960	40.5177461	-81.0645061
04/23/2013	CARROLL	UNION	34019222990000	Producing	CHESAPEAKE EXPLORATION LLC	PUTNAM 34-13-5 5H	40.5306281	-81.0766586	40.5499447	-81.0884417
05/17/2013	CARROLL	UNION	3401922300000	Producing	CHESAPEAKE EXPLORATION LLC	PUTNAM 34-13-5 5H	40.5305618	-81.0768399	40.5149090	-81.0712000
01/18/2013	CARROLL	WASHINGTON	34019223010000		CHESAPEAKE EXPLORATION LLC	HARVEY 16-14-5 3H	40.6061195	-81.0226055	40.6210699	-81.0334380
				Producing						
01/18/2013	CARROLL	WASHINGTON	34019223020000	Producing	CHESAPEAKE EXPLORATION LLC	HARVEY 16-14-5 5H	40.6060992	-81.0225231	40.6221924	-81.0297744
02/26/2013	CARROLL	PERRY	34019223030000	Producing	CHESAPEAKE EXPLORATION LLC	RAY HAYLEY 5-13-6 3H	40.4521298	-81.1115005	40.4708815	-81.1238594
01/28/2013	CARROLL	FOX	34019223040000	Permitted	CHESAPEAKE EXPLORATION LLC	CTF 32-13-4 5H	40.5736768	-80.9719553	40.5897553	-80.9792957
03/06/2013	CARROLL	PERRY	34019223050000	Producing	CHESAPEAKE EXPLORATION LLC	RAY HAYLEY 5-13-6 8H	40.4519763	-81.1115216	40.4388325	-81.1012290
04/15/2013	CARROLL	PERRY	34019223060000	Producing	CHESAPEAKE EXPLORATION LLC	RAY HAYLEY 5-13-6 1H	40.4520813	-81.1115733	40.4647339	-81.1240115
01/16/2014	CARROLL	PERRY	34019223070000	Drilled	CHESAPEAKE EXPLORATION LLC	RAY HAYLEY 5-13-6 5H	40.4520774	-81.1114764	40.4723823	-81.1203775
01/16/2014	CARROLL	PERRY	34019223080000	Drilled	CHESAPEAKE EXPLORATION LLC	RAY HAYLEY 5-13-6 6H	40.4520288	-81.1115457	40.4377797	-81.1033601
02/13/2014	CARROLL	PERRY	34019223090000	Drilled	CHESAPEAKE EXPLORATION LLC	RAY HAYLEY 5-13-6 10H	40.4520277	-81.1114523	40.4268940	-81.0876928
07/09/2013	CARROLL	LEE	34019223190000	Producing	CHESAPEAKE EXPLORATION LLC	EVANS 21-12-4 3H	40.5110294	-80.9257643	40.5315120	-80.9391283
04/17/2013	CARROLL	LOUDON	34019223210000	Producing	CHESAPEAKE EXPLORATION LLC	SUNNYBROOK 25-12-4 6H	40.4706379	-80.9501454	40.4571384	-80.9464702
06/26/2013	CARROLL	FOX	34019223230000	Producing	CHESAPEAKE EXPLORATION LLC	JAVERSAK A 23-13-4 10H	40.6193376	-80.9371951	40.6067486	-80.9201005
05/08/2013	CARROLL	FOX	34019223250000	Producing	CHESAPEAKE EXPLORATION LLC	JAVERSAK A 23-13-4 3H	40.6193662	-80.9372845	40.6312742	-80.9430220
05/08/2013	CARROLL	FOX	34019223260000	Producing	CHESAPEAKE EXPLORATION LLC	JAVERSAK A 23-13-4 1H	40.6193113	-80.9372858	40.6299188	-80.9465129
04/12/2013	CARROLL	LOUDON	34019223280000	Producing	CHESAPEAKE EXPLORATION LLC	BARBARA 5-12-5 8H	40.4417581	-80.9941424	40.4288532	-80.9863332
04/12/2013	CARROLL	LOUDON	34019223290000	Drilled	CHESAPEAKE EXPLORATION LLC	BARBARA 5-12-5 10H	40.4417581	-80.9941424	40.4304232	-80.9829997
04/12/2013	CARROLL	LOUDON	34019223300000	Drilled	CHESAPEAKE EXPLORATION LLC	BARBARA 5-12-5 6H	40.4417055	-80.9941148	40.4272937	-80.9896412
02/21/2013	CARROLL	AUGUSTA	34019223310000	Producing	CHESAPEAKE EXPLORATION LLC	JEFFERY 2-15-5 10H	40.7190296	-80.9954341	40.7069369	-80.9821444
02/22/2013	CARROLL	EAST	34019223320000	Producing	CHESAPEAKE EXPLORATION LLC	CONIGLIO 7-14-4 3H	40.7161806	-80.9591164	40.7314965	-80.9703628
02/25/2013	CARROLL	WASHINGTON	34019223330000	Producing	CHESAPEAKE EXPLORATION LLC	SCHMUCK FARMS 22-14-5 6H	40.6108847	-81.0403087	40.5965730	-81.0336255
02/25/2013	CARROLL	EAST	34019223340000		CHESAPEAKE EXPLORATION LLC	SCHMUCK 31-14-4 10H	40.6454568	-80.9598703	40.6322886	-80.9457440
				Producing						
05/02/2013	CARROLL	WASHINGTON	34019223350000	Producing	CHESAPEAKE EXPLORATION LLC	SCHMUCK FARMS 22-14-5 5H	40.6109113	-81.0402361	40.6281136	-81.0482354
02/25/2013	CARROLL	WASHINGTON	34019223360000	Producing	CHESAPEAKE EXPLORATION LLC	SCHMUCK FARMS 22-14-5 1H	40.6109396	-81.0403075	40.6230988	-81.0535150
05/13/2013	CARROLL	WASHINGTON	34019223370000	Producing	CHESAPEAKE EXPLORATION LLC	SCHMUCK FARMS 22-14-5 10H	40.6108564	-81.0402373	40.5934685	-81.0232000
05/13/2013	CARROLL	WASHINGTON	34019223380000	Producing	CHESAPEAKE EXPLORATION LLC	SCHMUCK FARMS 22-14-5 8H	40.6108298	-81.0403099	40.5945056	-81.0274121
03/13/2013	CARROLL	EAST	34019223390000	Producing	CHESAPEAKE EXPLORATION LLC	SCHMUCK 31-14-4 6H	40.6454305	-80.9599574	40.6295188	-80.9526549
02/26/2013	CARROLL	UNION	34019223400000	Drilled	CHESAPEAKE EXPLORATION LLC	MARSHA 18-14-6 10H	40.5539979	-81.1346537	40.5394484	-81.1214229
02/26/2013	CARROLL	UNION	34019223410000	Producing	CHESAPEAKE EXPLORATION LLC	MARSHA 18-14-6 5H	40.5540661	-81.1346163	40.5687304	-81.1421449
02/27/2013	CARROLL	EAST	34019223420000	Producing	CHESAPEAKE EXPLORATION LLC	BURRY 20-14-4 6H	40.6820949	-80.9388840	40.6659250	-80.9314696
03/06/2013	CARROLL	UNION	34019223480000	Producing	CHESAPEAKE EXPLORATION LLC	MARSHA 18-14-6 3H	40.5540669	-81.1346883	40.5672334	-81.1455520
03/07/2013	CARROLL	EAST	34019223490000	Producing	CHESAPEAKE EXPLORATION LLC	BUCK 24-15-5 6H	40.6716244	-80.9834455	40.6601901	-80.9768285
08/29/2013	CARROLL	LEE	34019223500000	Drilled	CHESAPEAKE EXPLORATION LLC	SHAW PROPERTIES 4-13-5 1H	40.5170905	-80.9848085	40.5272171	-80.9990873
08/29/2013	CARROLL	LEE	34019223510000	Drilled	CHESAPEAKE EXPLORATION LLC	SHAW PROPERTIES 4-13-5 3H	40.5170595	-80.9847480	40.5282270	-80.9963446
08/29/2013	CARROLL	LEE	34019223520000	Drilled	CHESAPEAKE EXPLORATION LLC	SHAW PROPERTIES 4-13-5 5H	40.5170285	-80.9846912	40.5292725	-80.9936011
06/03/2013	CARROLL	LEE	34019223530000	Drilled	CHESAPEAKE EXPLORATION LLC	SHAW PROPERTIES 4-13-5 12H	40.5169237	-80.9846540	40.5020179	-80.9664507
06/03/2013	CARROLL	LEE	34019223540000	Drilled	CHESAPEAKE EXPLORATION LLC	SHAW PROPERTIES 4-13-5 10H	40.5169574	-80.9847108	40.5007653	-80.9694716
09/27/2013		LEE	34019223550000	Drilled	CHESAPEAKE EXPLORATION LLC	SHAW PROPERTIES 4-13-5 8H	40.5169884	-80.9847712	40.4988280	-80.9738459
	CARROLL							, -0.5012	,	
	CARROLL				CHESAPEAKE EXPLORATION LLC	SHAW PROPERTIES 4-13-5 7H	40.5169975	-80.9846307	40.5302906	
08/29/2013	CARROLL	LEE	34019223570000	Drilled	CHESAPEAKE EXPLORATION LLC	SHAW PROPERTIES 4-13-5 7H	40.5169975	-80.9846307 -80.9834156	40.5302906	-80.9908581 -80.9974207
08/29/2013 05/21/2013	CARROLL CARROLL	LEE EAST	34019223570000 34019223680000	Drilled Producing	CHESAPEAKE EXPLORATION LLC	BUCK 24-15-5 1H	40.6716734	-80.9834156	40.6878633	-80.9974207
08/29/2013 05/21/2013 03/18/2013	CARROLL CARROLL CARROLL	LEE EAST FOX	34019223570000 34019223680000 34019223720000	Drilled Producing Producing	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	BUCK 24-15-5 1H BEADNELL A 21-13-4 8H	40.6716734 40.5907221	-80.9834156 -80.9369639	40.6878633 40.5749120	-80.9974207 -80.9239964
08/29/2013 05/21/2013 03/18/2013 08/14/2013	CARROLL CARROLL CARROLL CARROLL	LEE EAST FOX PERRY	34019223570000 34019223680000 34019223720000 34019223730000	Drilled Producing Producing Drilled	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	BUCK 24-15-5 1H BEADNELL A 21-13-4 8H R MILLER 25-13-5 5H	40.6716734 40.5907221 40.4771991	-80.9834156 -80.9369639 -81.0771031	40.6878633 40.5749120 40.4933114	-80.9974207 -80.9239964 -81.0848492
08/29/2013 05/21/2013 03/18/2013 08/14/2013 05/06/2013	CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL	LEE EAST FOX PERRY EAST	34019223570000 34019223680000 34019223720000 34019223730000 34019223740000	Drilled Producing Producing Drilled Permitted	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	BUCK 24-15-5 1H BEADNELL A 21-13-4 8H R MILLER 25-13-5 5H S FARMS 32-14-4 10H	40.6716734 40.5907221 40.4771991 40.6473084	-80.9834156 -80.9369639 -81.0771031 -80.9481714	40.6878633 40.5749120 40.4933114 40.6366604	-80.9974207 -80.9239964 -81.0848492 -80.9353533
08/29/2013 05/21/2013 03/18/2013 08/14/2013 05/06/2013 05/06/2013	CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL	LEE EAST FOX PERRY EAST EAST	34019223570000 34019223680000 34019223720000 34019223730000 34019223740000 34019223750000	Drilled Producing Producing Drilled Permitted Producing	CHESAPEAKE EXPLORATION LLC	BUCK 24-15-5 1H BEADNELL A 21-13-4 8H R MILLER 25-13-5 5H S FARMS 32-14-4 10H S FARMS 32-14-4 8H	40.6716734 40.5907221 40.4771991 40.6473084 40.6472375	-80.9834156 -80.9369639 -81.0771031 -80.9481714 -80.9482019	40.6878633 40.5749120 40.4933114 40.6366604 40.6351296	-80.9974207 -80.9239964 -81.0848492 -80.9353533 -80.9388560
08/29/2013 05/21/2013 03/18/2013 08/14/2013 05/06/2013 05/06/2013 04/17/2013	CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL	LEE EAST FOX PERRY EAST EAST EAST EAST	34019223570000 34019223680000 34019223720000 34019223730000 34019223740000 34019223750000 34019223760000	Drilled Producing Producing Drilled Permitted Producing Permitted	CHESAPEAKE EXPLORATION LLC	BUCK 24-15-5 1H BEADNELL A 21-13-4 8H R MILLER 25-13-5 5H S FARMS 32-14-4 10H S FARMS 32-14-4 8H S FARMS 32-14-4 6H	40.6716734 40.5907221 40.4771991 40.6473084 40.6472375 40.6472357	-80.9834156 -80.9369639 -81.0771031 -80.9481714 -80.9482019 -80.9482740	40.6878633 40.5749120 40.4933114 40.6366604 40.6351296 40.6336435	-80.9974207 -80.9239964 -81.0848492 -80.9353533 -80.9388560 -80.9422205
08/29/2013 05/21/2013 03/18/2013 08/14/2013 05/06/2013 05/06/2013 04/17/2013 04/17/2013	CARROLL	LEE EAST FOX PERRY EAST EAST EAST EAST EAST	34019223570000 34019223680000 34019223720000 34019223730000 34019223740000 34019223750000 34019223760000 34019223760000	Drilled Producing Producing Drilled Permitted Producing Permitted Producing	CHESAPEAKE EXPLORATION LLC	BUCK 24-15-5 1H BEADNELL A 21-13-4 8H R MILLER 25-13-5 5H S FARMS 32-14-4 10H S FARMS 32-14-4 8H S FARMS 32-14-6 6H S FARMS 32-14-4 3H	40.6716734 40.5907221 40.4771991 40.6473084 40.6472375 40.6472357 40.6473021	-80.9834156 -80.9369639 -81.0771031 -80.9481714 -80.9482019 -80.9482740 -80.9483157	40.6878633 40.5749120 40.4933114 40.636604 40.6351296 40.6336435 40.6616491	-80.9974207 -80.9239964 -81.0848492 -80.9353533 -80.938250 -80.9422205 -80.9584602
08/29/2013 05/21/2013 03/18/2013 08/14/2013 05/06/2013 05/06/2013 04/17/2013 04/17/2013 04/08/2013	CARROLL	LEE EAST FOX PERRY EAST EAST EAST EAST EAST LEE	34019223570000 34019223680000 34019223720000 34019223730000 34019223740000 34019223750000 34019223760000 34019223790000 34019223790000 34019223800000	Drilled Producing Producing Drilled Permitted Producing Permitted Producing Producing Producing	CHESAPEAKE EXPLORATION LLC	BUCK 24-15-5 1H BEADNELL A 21-13-4 8H R MILLER 25-13-5 5H S FARMS 32-14-4 10H S FARMS 32-14-4 8H S FARMS 32-14-4 6H S FARMS 32-14-6 H JOHN ADAMS 30-12-4 6H	40.6716734 40.5907221 40.4771991 40.6473084 40.6472375 40.6472357 40.6473021 40.5539342	-80.9834156 -80.9369639 -81.0771031 -80.9481714 -80.9482019 -80.9482740 -80.9483157 -80.9448179	40.6878633 40.5749120 40.4933114 40.6366604 40.6351296 40.6336435 40.6616491 40.5374793	-80.9974207 -80.9239964 -81.0848492 -80.9353533 -80.9388560 -80.9422205 -80.9388602 -80.9378368
08/29/2013 05/21/2013 03/18/2013 08/14/2013 05/06/2013 05/06/2013 04/17/2013 04/17/2013 04/08/2013 05/13/2013	CARROLL	LEE EAST FOX PERRY EAST EAST EAST EAST EAST LEE LOUDON	34019223570000 34019223680000 34019223720000 34019223730000 34019223750000 34019223750000 34019223750000 34019223750000 3401922380000 34019223890000	Drilled Producing Producing Drilled Permitted Producing Permitted Producing	CHESAPEAKE EXPLORATION LLC	BUCK 24-15-5 1H BEADNELL A 21-13-4 8H R MILLER 25-13-5 5H S FARMS 32-14-4 10H S FARMS 32-14-4 8H S FARMS 32-14-4 6H S FARMS 32-14-4 3H JOHN ADAMS 30-12-4 6H STROPKI 20-12-4 1H	40.6716734 40.5907221 40.4771991 40.6473084 40.6472375 40.6472357 40.6473021 40.5539342 40.4882127	-80.9834156 -80.9369639 -81.0771031 -80.9481714 -80.9482019 -80.9482740 -80.9483157 -80.9448179 -80.9403878	40.6878633 40.5749120 40.4933114 40.6366604 40.6351296 40.6336435 40.6616491 40.5374793 40.5041457	-80.9974207 -80.9239964 -81.0848492 -80.9353533 -80.9388560 -80.9422205 -80.9584602 -80.9378368 -80.9550513
08/29/2013 05/21/2013 03/18/2013 08/14/2013 05/06/2013 05/06/2013 04/17/2013 04/17/2013 04/08/2013	CARROLL	LEE EAST FOX PERRY EAST EAST EAST EAST EAST LEE	34019223570000 34019223680000 34019223720000 34019223730000 34019223740000 34019223750000 34019223760000 34019223790000 34019223790000 34019223800000	Drilled Producing Producing Drilled Permitted Producing Permitted Producing Producing Producing	CHESAPEAKE EXPLORATION LLC	BUCK 24-15-5 1H BEADNELL A 21-13-4 8H R MILLER 25-13-5 5H S FARMS 32-14-4 10H S FARMS 32-14-4 8H S FARMS 32-14-4 6H S FARMS 32-14-6 H JOHN ADAMS 30-12-4 6H	40.6716734 40.5907221 40.4771991 40.6473084 40.6472375 40.6472357 40.6473021 40.5539342	-80.9834156 -80.9369639 -81.0771031 -80.9481714 -80.9482019 -80.9482740 -80.9483157 -80.9448179	40.6878633 40.5749120 40.4933114 40.6366604 40.6351296 40.6336435 40.6616491 40.5374793	-80.9974207 -80.9239964 -81.0848492 -80.9353533 -80.938560 -80.9422205 -80.938860 -80.9378368

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04/12/2013	CARROLL	PERRY	34019223920000	Producing	CHESAPEAKE EXPLORATION LLC	WALTERS 30-12-5 1H	40.4714479	-81.0596016	40.4820486	-81.0714844
04/12/2013	CARROLL	PERRY	34019223930000	Producing	CHESAPEAKE EXPLORATION LLC	WALTERS 30-12-5 5H	40.4714744	-81.0595291	40.4847496	-81.0655410
04/12/2013	CARROLL	PERRY	34019223940000	Producing	CHESAPEAKE EXPLORATION LLC	WALTERS 30-12-5 3H	40.4715028	-81.0596004	40.4833758	-81.0685151
04/23/2013	CARROLL	LEE	34019223950000	Producing	CHESAPEAKE EXPLORATION LLC	P BROWN 9-13-5 10H	40.5023930	-81.0021752	40.4925199	-80.9906355
05/20/2013	CARROLL	LEE	34019223960000	Producing	CHESAPEAKE EXPLORATION LLC	P BROWN 9-13-5 3H	40.5024269	-81.0022428	40.5173441	-81.0131013
04/23/2013	CARROLL	LEE	34019223970000	Producing	CHESAPEAKE EXPLORATION LLC	P BROWN 9-13-5 6H	40.5023172	-81.0022560	40.4899519	-80.9965906
06/10/2013	CARROLL	LEE	34019223990000	Producing	CHESAPEAKE EXPLORATION LLC	COOPER 8-13-5 10H	40.4988910	-81.0125497	40.4888476	-81.0005095
06/03/2013	CARROLL	LEE	34019224000000	Producing	CHESAPEAKE EXPLORATION LLC	COOPER 8-13-5 5H	40.4989382	-81.0125882	40.5146293	-81.0196833
06/03/2013	CARROLL	LEE	34019224010000	Producing	CHESAPEAKE EXPLORATION LLC	COOPER 8-13-5 1H	40.4989229	-81.0126820	40.5190325	-81.0273086
06/10/2013	CARROLL	LEE	34019224020000	Producing	CHESAPEAKE EXPLORATION LLC	COOPER 8-13-5 8H	40.4988313	-81.0126050	40.4874601	-81.0037731
06/10/2013	CARROLL	LEE	34019224030000	Drilled	CHESAPEAKE EXPLORATION LLC	COOPER 8-13-5 6H	40.4988785	-81.0126435	40.4860774	-81.0069934
05/30/2013	CARROLL	FOX	34019224040000	Permitted	CHESAPEAKE EXPLORATION LLC	JONES A 33-13-4 1H	40.5996679	-80.9695535	40.6139202	-80.9832493
07/02/2013	CARROLL	EAST	34019224050000	Producing	CHESAPEAKE EXPLORATION LLC	BAINTER 25-15-5 10H	40.6678513	-80.9906449	40.6586475	-80.9801551
05/01/2013	CARROLL	PERRY	34019224080000	Producing	CHESAPEAKE EXPLORATION LLC	WALTERS 30-12-5 10H	40.4714196	-81.0595303	40.4584461	-81.0455286
06/10/2013	CARROLL	PERRY	34019224090000	Producing	CHESAPEAKE EXPLORATION LLC	SMITH NURSERY 19-13-5 6H	40.4835843	-81.0398814	40.4647936	-81.0318253
05/01/2013	CARROLL	PERRY	34019224100000	Producing	CHESAPEAKE EXPLORATION LLC	WALTERS 30-12-5 6H	40.4713930	-81.0596028	40.4556102	-81.0520054
09/03/2013	CARROLL	WASHINGTON	34019224110000	Producing	R E GAS DEVELOPMENT LLC	OCEL 2H	40.6285829	-80.9896705	40.6181948	-80.9778775
05/02/2013	CARROLL	WASHINGTON	34019224120000	Producing	R E GAS DEVELOPMENT LLC	OCEL 3H	40.6285671	-80.9897213	40.6164973	-80.9827762
05/30/2013	CARROLL	FOX	34019224120000	Producing	CHESAPEAKE EXPLORATION LLC	JONES A 33-13-4 10H	40.5996803	-80.9694559	40.5838990	-80.9526508
06/14/2013	CARROLL	FOX	34019224140000	Producing	CHESAPEAKE EXPLORATION LLC	JONES A 33-13-4 10H	40.5996803	-80.9695920	40.6153952	-80.9797897
11/05/2013	CARROLL	LOUDON	34019224180000	Producing	CHESAPEAKE EXPLORATION LLC	WOODLAND 26-12-4 6H	40.4880880	-80.9509941	40.4718732	-80.9434808
06/03/2013	CARROLL	LEE	34019224190000	Drilled	CHESAPEAKE EXPLORATION LLC	BRYAN SHAW 21-13-5 3H	40.5036187	-81.0521012	40.5170835	-81.0613657
08/08/2013	CARROLL	LEE	34019224200000	Drilled	CHESAPEAKE EXPLORATION LLC	BRYAN SHAW 21-13-5 6H	40.5035113	-81.0520712	40.4843844	-81.0412625
08/08/2013	CARROLL	LEE	34019224210000	Drilled	CHESAPEAKE EXPLORATION LLC	BRYAN SHAW 21-13-5 8H	40.5034991	-81.0519743	40.4857675	-81.0379963
06/17/2013	CARROLL	LEE	34019224220000	Drilled	CHESAPEAKE EXPLORATION LLC	BRYAN SHAW 21-13-5 1H	40.5035636	-81.0520844	40.5157045	-81.0645753
06/03/2013	CARROLL	LEE	34019224230000	Drilled	CHESAPEAKE EXPLORATION LLC	BRYAN SHAW 21-13-5 5H	40.5036065	-81.0520044	40.5184054	-81.0584342
08/08/2013	CARROLL	LEE	34019224240000	Drilled	CHESAPEAKE EXPLORATION LLC	BRYAN SHAW 21-13-5 10H	40.5035514	-81.0519912	40.4871504	-81.0347300
07/17/2013	CARROLL	PERRY	34019224250000	Producing	CHESAPEAKE EXPLORATION LLC	SMITH NURSERY 19-13-5 10H	40.4835008	-81.0397862	40.4677550	-81.0249485
07/17/2013	CARROLL	PERRY	34019224260000	Producing	CHESAPEAKE EXPLORATION LLC	SMITH NURSERY 19-13-5 12H	40.4834590	-81.0397404	40.4722149	-81.0237893
06/10/2013	CARROLL	PERRY	34019224270000	Producing	CHESAPEAKE EXPLORATION LLC	SMITH NURSERY 19-13-5 8H	40.4835425	-81.0398320	40.4662969	-81.0283236
05/15/2013	CARROLL	LOUDON	34019224280000	Producing	CHESAPEAKE EXPLORATION LLC	JC ACRES 12-12-5 1H	40.4694464	-81.0055401	40.4811303	-81.0164733
07/08/2013	CARROLL	UNION	34019224290000	Drilled	CHESAPEAKE EXPLORATION LLC	MITCHELL 34-13-5 8H	40.5207149	-81.0826226	40.5078243	-81.0743516
07/08/2013	CARROLL	UNION	34019224300000	Drilled	CHESAPEAKE EXPLORATION LLC	MITCHELL 34-13-5 10H	40.5207471	-81.0825643	40.5091229	-81.0712775
09/16/2013	CARROLL	UNION	34019224310000	Drilling	CHESAPEAKE EXPLORATION LLC	MITCHELL 34-13-5 5H	40.5208187	-81.0825844	40.5311866	-81.0884870
09/16/2013	CARROLL	UNION	34019224320000	Drilling	CHESAPEAKE EXPLORATION LLC	MITCHELL 34-13-5 3H	40.5207865	-81.0826462	40.5299897	-81.0904912
07/08/2013	CARROLL	UNION	34019224330000	Drilled	CHESAPEAKE EXPLORATION LLC	MITCHELL 34-13-5 6H	40.5206854	-81.0826844	40.5065815	-81.0772770
09/16/2013	CARROLL	UNION	34019224340000	Drilling	CHESAPEAKE EXPLORATION LLC	MITCHELL 34-13-5 1H	40.5207571	-81.0827044	40.5290505	-81.0926913
06/17/2013	CARROLL	LOUDON	34019224450000	Producing	CHESAPEAKE EXPLORATION LLC	JC ACRES 12-12-5 6H	40.4694205	-81.0054509	40.4536626	-80.9952353
06/17/2013	CARROLL	LOUDON	34019224460000	Producing	CHESAPEAKE EXPLORATION LLC	JC ACRES 12-12-5 8H	40.4694205	-81.0054509	40.4549094	-80.9923609
	CARROLL						40.4879811	-80.9510110		
11/05/2013		LOUDON	34019224470000	Producing	CHESAPEAKE EXPLORATION LLC	WOODLAND 26-12-4 3H			40.5011488	-80.9620509
06/03/2013	CARROLL	WASHINGTON	34019224480000	Producing	CHESAPEAKE EXPLORATION LLC	SCHMUCK FARMS 22-14-5 4H	40.6109945	-81.0403063	40.5893698	-81.0334495
06/13/2013	CARROLL	WASHINGTON	34019224500100	Drilled	R E GAS DEVELOPMENT LLC	JENKINS UNIT 5H	40.6081546	-81.0618871	40.5967043	-81.0532070
06/13/2013	CARROLL	WASHINGTON	34019224510000	Drilled	R E GAS DEVELOPMENT LLC	JENKINS UNIT 4H	40.6081470	-81.0619413	40.6251191	-81.0769224
06/13/2013	CARROLL	WASHINGTON	34019224520000	Drilled	R E GAS DEVELOPMENT LLC	JENKINS UNIT 3H	40.6081422	-81.0619954	40.5967123	-81.0531852
06/13/2013	CARROLL	WASHINGTON	34019224530000	Permitted	R E GAS DEVELOPMENT LLC	JENKINS UNIT 1H	40.6081346	-81.0620460	40.5968039	-81.0558770
06/13/2013	CARROLL	WASHINGTON	34019224540000	Permitted	R E GAS DEVELOPMENT LLC	JENKINS UNIT 2H	40.6081298	-81.0621001	40.6229920	-81.0782866
07/17/2013	CARROLL	PERRY	34019224550000	Drilled	CHESAPEAKE EXPLORATION LLC	JAVERSAK 28-12-5 5H	40.4352119	-81.0641248	40.4499202	-81.0708258
06/21/2013	CARROLL	FOX	34019224560000	Producing	CHESAPEAKE EXPLORATION LLC	BEADNELL A 21-13-4 3H	40.5907825	-80.9369588	40.6077040	-80.9479794
06/27/2013	CARROLL	LEE	34019224570000	Drilled	CHESAPEAKE EXPLORATION LLC	HOUYOUSE 15-13-5 5H	40.5100636	-81.0292298	40.5233467	-81.0372391
06/27/2013	CARROLL	LEE	34019224580000	Drilled	CHESAPEAKE EXPLORATION LLC	HOUYOUSE 15-13-5 3H	40.5101002	-81.0293009	40.5226794	-81.0385093
06/26/2014	CARROLL	EAST	34019224630000	Permitted	CHESAPEAKE EXPLORATION LLC	7R 20-14-4 8H	40.6856076	-80.9521338	40.6621046	-80.9363725
07/18/2014	CARROLL	EAST	34019224650000	Permitted	CHESAPEAKE EXPLORATION LLC	7R 20-14-4 1H	40.6856607	-80.9522011	40.7012505	-80.9703204
	CANNOLL					504110.05.40.4511		00.0575000	140.6377750	-80.9763190
07/23/2013	CARROLL			Permitted	CHESAPEAKE EXPLORATION LLC	SPAHK 35-13-4 5H	40.6198521	1-80.96/5322	140.6377758	
07/23/2013 11/01/2013		FOX PERRY	34019224670000	Permitted Drilled	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	SPAHR 35-13-4 5H R MILLER 25-13-5 10H	40.6198521 40.4771442	-80.9675322 -81.0771042	40.6377758 40.4652894	-81.0636777
11/01/2013	CARROLL	FOX			CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC					
11/01/2013 07/19/2013	CARROLL CARROLL CARROLL	FOX PERRY FOX	34019224670000 34019224720000 34019224730000	Drilled	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H	40.4771442 40.6424315	-81.0771042 -80.8959054	40.4652894 40.6654011	-81.0636777 -80.9117795
11/01/2013 07/19/2013 07/19/2013	CARROLL CARROLL CARROLL CARROLL	FOX PERRY FOX PERRY	34019224670000 34019224720000 34019224730000 34019224740000	Drilled Drilled Drilled	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H	40.4771442 40.6424315 40.4351917	-81.0771042 -80.8959054 -81.0642617	40.4652894 40.6654011 40.4466903	-81.0636777 -80.9117795 -81.0784050
11/01/2013 07/19/2013 07/19/2013 07/19/2013	CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL	FOX PERRY FOX PERRY PERRY	34019224670000 34019224720000 34019224730000 34019224740000 34019224750000	Drilled Drilled Drilled Drilled Drilling	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H JAVERSAK 28-12-5 3H	40.4771442 40.6424315 40.4351917 40.4352350	-81.0771042 -80.8959054 -81.0642617 -81.0642141	40.4652894 40.6654011 40.4466903 40.4483067	-81.0636777 -80.9117795 -81.0784050 -81.0746154
11/01/2013 07/19/2013 07/19/2013 07/19/2013 08/09/2013	CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL	FOX PERRY FOX PERRY PERRY AUGUSTA	34019224670000 34019224720000 34019224730000 34019224740000 34019224750000 34019224760000	Drilled Drilled Drilled Drilled Drilling Drilled	CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H JAVERSAK 28-12-5 3H HUTCHISON 33-15-5 1H	40.4771442 40.6424315 40.4351917 40.4352350 40.6504962	-81.0771042 -80.8959054 -81.0642617 -81.0642141 -81.0378920	40.4652894 40.6654011 40.4466903 40.4483067 40.6629878	-81.0636777 -80.9117795 -81.0784050 -81.0746154 -81.0521883
11/01/2013 07/19/2013 07/19/2013 07/19/2013 08/09/2013 11/04/2013	CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL CARROLL	FOX PERRY FOX PERRY PERRY PERRY AUGUSTA PERRY	34019224670000 34019224720000 34019224730000 34019224740000 34019224750000 34019224760000 34019224770000	Drilled Drilled Drilled Drilling Drilled Drilled Drilled	CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H JAVERSAK 28-12-5 3H HUTCHISON 33-15-5 1H R MILLER 25-13-5 8H	40.4771442 40.6424315 40.4351917 40.4352350 40.6504962 40.4770344	-81.0771042 -80.8959054 -81.0642617 -81.0642141 -81.0378920 -81.0771066	40.4652894 40.6654011 40.4466903 40.4483067 40.6629878 40.4637734	-81.0636777 -80.9117795 -81.0784050 -81.0746154 -81.0521883 -81.0669128
11/01/2013 07/19/2013 07/19/2013 07/19/2013 08/09/2013 11/04/2013 07/23/2013	CARROLL	FOX PERRY FOX PERRY PERRY AUGUSTA PERRY PERRY PERRY	34019224670000 34019224720000 34019224730000 34019224740000 34019224750000 34019224760000 34019224760000 34019224780000	Drilled Drilled Drilled Drilled Drilling Drilled Drilled Drilled Permitted	CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H JAVERSAK 28-12-5 3H HUTCHISON 33-15-5 1H R MILLER 25-13-5 8H R MILLER 25-13-5 6H	40.4771442 40.6424315 40.4351917 40.4352350 40.6504962 40.4770344 40.4771179	-81.0771042 -80.8959054 -81.0642617 -81.0642141 -81.0378920 -81.0771066 -81.0771947	40.4652894 40.6654011 40.4466903 40.4483067 40.6629878 40.4637734 40.4624578	-81.0636777 -80.9117795 -81.0784050 -81.0746154 -81.0521883 -81.0669128 -81.0703663
11/01/2013 07/19/2013 07/19/2013 07/19/2013 08/09/2013 11/04/2013 07/23/2013 08/08/2013	CARROLL	FOX PERRY FOX PERRY PERRY AUGUSTA PERRY PERRY AUGUSTA AUGUSTA	34019224670000 34019224720000 34019224730000 34019224740000 34019224750000 34019224760000 34019224770000 34019224780000 34019224800000	Drilled Drilled Drilled Drilled Drilling Drilled Drilled Drilled Drilled Drilled Drilled	CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H JAVERSAK 28-12-5 3H HUTCHISON 33-15-5 1H R MILLER 25-13-5 8H R MILLER 25-13-5 6H HUTCHISON 33-15-5 3H	40.4771442 40.6424315 40.4351917 40.4352350 40.6504962 40.4770344 40.4771179 40.6504953	-81.0771042 -80.8959054 -81.0642617 -81.0642141 -81.0378920 -81.0771066 -81.0771947 -81.0378199	40.4652894 40.6654011 40.4466903 40.4483067 40.6629878 40.4637734 40.4624578 40.6644440	-81.0636777 -80.9117795 -81.0784050 -81.0746154 -81.0521883 -81.0669128 -81.073663 -81.0488111
11/01/2013 07/19/2013 07/19/2013 07/19/2013 08/09/2013 11/04/2013 07/23/2013 08/08/2013 08/08/2013	CARROLL	FOX PERRY FOX PERRY PERRY AUGUSTA PERRY PERRY AUGUSTA AUGUSTA AUGUSTA	34019224670000 34019224720000 34019224730000 34019224740000 34019224750000 34019224760000 34019224770000 34019224780000 3401922480000 3401922480000 3401922480000	Drilled Drilled Drilled Drilled Drilling Drilled Drilled Drilled Drilled Drilled Drilled Drilled Drilled Drilled	CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H JAVERSAK 28-12-5 3H HUTCHISON 33-15-5 1H R MILLER 25-13-5 8H R MILLER 25-13-5 6H HUTCHISON 33-15-5 5H HUTCHISON 33-15-5 5H	40.4771442 40.6424315 40.4351917 40.4352350 40.6504962 40.4770344 40.4771179 40.6504953 40.6504944	-81.0771042 -80.8959054 -81.0642617 -81.0642141 -81.0378920 -81.0771066 -81.0771947 -81.0378199 -81.0377479	40.4652894 40.6654011 40.4466903 40.4483067 40.6629878 40.4637734 40.4624578 40.66544440 40.6659685	-81.0636777 -80.9117795 -81.0784050 -81.0746154 -81.0521883 -81.0669128 -81.0703663 -81.0488111 -81.0451979
11/01/2013 07/19/2013 07/19/2013 07/19/2013 08/09/2013 11/04/2013 07/23/2013 08/08/2013 08/08/2013 08/08/2013 08/08/2013	CARROLL	FOX PERRY FOX PERRY PERRY AUGUSTA PERRY PERRY AUGUSTA AUGUSTA AUGUSTA LEE	34019224670000 34019224720000 34019224730000 34019224740000 34019224750000 34019224760000 34019224770000 34019224770000 34019224800000 34019224820000 34019224820000 34019224820000	Drilled Drilled Drilled Drilled Drilling Drilled Drilled Drilled Drilled Permitted Drilled Drilled Drilled Drilled Drilled	CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H JAVERSAK 28-12-5 3H HUTCHISON 33-15-5 1H R MILLER 25-13-5 6H R MILLER 25-13-5 6H HUTCHISON 33-15-5 3H HUTCHISON 33-15-5 5H WHITE 17-13-5 1H	40.4771442 40.6424315 40.4351917 40.4352350 40.6504962 40.4770344 40.4771179 40.6504953 40.6504944 40.5331376	-81.0771042 -80.8959054 -81.0642617 -81.0642141 -81.0378920 -81.0771066 -81.0771947 -81.0378199 -81.0377479 -81.0266402	40.4652894 40.6654011 40.4466903 40.4483067 40.6629878 40.4637734 40.4624578 40.6644440 40.6659685 40.5464313	-81.0636777 -80.9117795 -81.0784050 -81.0746154 -81.0521883 -81.0669128 -81.0703663 -81.0488111 -81.0451979 -81.0410392
11/01/2013 07/19/2013 07/19/2013 07/19/2013 08/09/2013 11/04/2013 08/08/2013 08/08/2013 08/08/2013 08/01/2013	CARROLL	FOX PERRY FOX PERRY PERRY AUGUSTA PERRY AUGUSTA AUGUSTA AUGUSTA AUGUSTA LEE LEE	34019224670000 34019224730000 34019224730000 34019224740000 34019224750000 34019224760000 34019224770000 34019224780000 34019224800000 34019224820000 34019224840000 34019224840000 34019224840000	Drilled Drilled Drilled Drilled Drilling Drilled	CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H JAVERSAK 28-12-5 3H HUTCHISON 33-15-5 1H R MILLER 25-13-5 6H HUTCHISON 33-15-5 3H HUTCHISON 33-15-5 5H WHITE 17-13-5 1H WHITE 17-13-5 5H	40.4771442 40.6424315 40.4351917 40.4352350 40.6504962 40.4770344 40.4771179 40.6504953 40.6504954 40.5331376 40.5331622	-81.0771042 -80.8959054 -81.0642617 -81.0642141 -81.0378920 -81.0771066 -81.0771947 -81.0378199 -81.0377479 -81.0376402 -81.0265375	40.4652894 40.6654011 40.4466903 40.4483067 40.6629878 40.4637734 40.4624578 40.6644440 40.6659685 40.5464313 40.5494087	-81.0636777 -80.9117795 -81.0784050 -81.0746154 -81.0521883 -81.0669128 -81.0703663 -81.048111 -81.0451979 -81.0410392 -81.0340785
11/01/2013 07/19/2013 07/19/2013 07/19/2013 07/19/2013 08/09/2013 11/04/2013 08/08/2013 08/08/2013 08/01/2013 08/01/2013 08/01/2013 09/19/2013	CARROLL	FOX PERRY FOX PERRY PERRY AUGUSTA PERRY AUGUSTA AUGUSTA AUGUSTA LEE LEE WASHINGTON	34019224670000 34019224730000 34019224730000 34019224740000 34019224750000 34019224760000 34019224770000 34019224780000 34019224800000 34019224820000 34019224820000 34019224850000 34019224850000 34019224850000	Drilled Drilled Drilled Drilled Drilling Drilled	CHESAPEAKE EXPLORATION LLC R E GAS DEVELOPMENT LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H JAVERSAK 28-12-5 3H HUTCHISON 33-15-5 1H R MILLER 25-13-8 8H R MILLER 25-13-5 6H HUTCHISON 33-15-5 5H HUTCHISON 33-15-5 5H WHITE 17-13-5 1H WHITE 17-13-5 5H WHITE 17-13-5 5H GRUNDER 7H	40.4771442 40.6424315 40.4351917 40.4352350 40.6504962 40.4770344 40.4771179 40.6504953 40.6504944 40.5331376 40.5330622 40.6065714	-81.0771042 -80.8959054 -81.0642617 -81.0642141 -81.0378920 -81.0771046 -81.0771947 -81.0378199 -81.0377479 -81.0266402 -81.0265375 -81.0844117	40.4652894 40.6654011 40.4466903 40.4483067 40.6629878 40.4637734 40.4624578 40.66544440 40.6659685 40.5464313 40.5494087 40.5951328	-81.0636777 -80.9117795 -81.0784050 -81.0784054 -81.0521883 -81.0669128 -81.0403663 -81.0488111 -81.0451979 -81.0410392 -81.0340785 -81.0725621
11/01/2013 07/19/2013 07/19/2013 07/19/2013 08/09/2013 11/04/2013 08/08/2013 08/08/2013 08/08/2013 08/01/2013	CARROLL	FOX PERRY FOX PERRY PERRY AUGUSTA PERRY AUGUSTA AUGUSTA AUGUSTA AUGUSTA LEE LEE	34019224670000 34019224730000 34019224730000 34019224740000 34019224750000 34019224760000 34019224770000 34019224780000 34019224800000 34019224820000 34019224840000 34019224840000 34019224840000	Drilled Drilled Drilled Drilled Drilling Drilled	CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H JAVERSAK 28-12-5 3H HUTCHISON 33-15-5 1H R MILLER 25-13-5 6H HUTCHISON 33-15-5 3H HUTCHISON 33-15-5 5H WHITE 17-13-5 1H WHITE 17-13-5 5H	40.4771442 40.6424315 40.4351917 40.4352350 40.6504962 40.4770344 40.4771179 40.6504953 40.6504954 40.5331376 40.5331622	-81.0771042 -80.8959054 -81.0642617 -81.0642141 -81.0378920 -81.0771066 -81.0771947 -81.0378199 -81.0377479 -81.0376402 -81.0265375	40.4652894 40.6654011 40.4466903 40.4483067 40.6629878 40.4637734 40.4624578 40.6644440 40.6659685 40.5464313 40.5494087	-81.0636777 -80.9117795 -81.0784050 -81.0746154 -81.0521883 -81.0669128 -81.0703663 -81.048111 -81.0451979 -81.0410392 -81.0340785
11/01/2013 07/19/2013 07/19/2013 07/19/2013 07/19/2013 08/09/2013 11/04/2013 08/08/2013 08/08/2013 08/08/2013 08/01/2013 08/01/2013 08/01/2013	CARROLL	FOX PERRY FOX PERRY PERRY AUGUSTA PERRY AUGUSTA AUGUSTA AUGUSTA LEE LEE WASHINGTON	34019224670000 34019224730000 34019224730000 34019224740000 34019224750000 34019224760000 34019224770000 34019224780000 34019224800000 34019224820000 34019224820000 34019224850000 34019224850000 34019224850000	Drilled Drilled Drilled Drilled Drilling Drilled	CHESAPEAKE EXPLORATION LLC R E GAS DEVELOPMENT LLC	R MILLER 25-13-5 10H BEADNELL 12-13-4 3H JAVERSAK 28-12-5 1H JAVERSAK 28-12-5 3H HUTCHISON 33-15-5 1H R MILLER 25-13-8 8H R MILLER 25-13-5 6H HUTCHISON 33-15-5 5H HUTCHISON 33-15-5 5H WHITE 17-13-5 1H WHITE 17-13-5 5H WHITE 17-13-5 5H GRUNDER 7H	40.4771442 40.6424315 40.4351917 40.4352350 40.6504962 40.4770344 40.4771179 40.6504953 40.6504944 40.5331376 40.5330622 40.6065714	-81.0771042 -80.8959054 -81.0642617 -81.0642141 -81.0378920 -81.0771046 -81.0771947 -81.0378199 -81.0377479 -81.0266402 -81.0265375 -81.0844117	40.4652894 40.6654011 40.4466903 40.4483067 40.6629878 40.4637734 40.4624578 40.66544440 40.6659685 40.5464313 40.5494087 40.5951328	-81.0636777 -80.9117795 -81.0784050 -81.0784054 -81.0521883 -81.0669128 -81.0403663 -81.0488111 -81.0451979 -81.0410392 -81.0340785 -81.0725621

STATE STAT	Icannoi	1.55	12.4	4040224000000	D.III. d	CHECA DE AVE EVELODATION LLC	HOLIVOUGE AF A2 F 7H	T40 F0003F0	104 0202250	140 4074003	04 0222 425
1975/9971 OMER 17	CARROL				Drilled	CHESAPEAKE EXPLORATION LLC	HOUYOUSE 15-13-5 7H	40.5099359	-81.0293369		-81.0223425
CAMPACE CAMP											-81.0153882
DOT/FIDED DOTS DO										40.5609964	-81.0660886
\$\frac{\text{Pictors}{\text{Discrete}} \text{Discrete}{\text{Discrete}} \text{Discrete}{\text{Discrete}} \text{Discrete}{\text{Discrete}} \					Dillica						-81.0400203
DAMPS											-81.0364475
Description Company Description Desc											-81.0757324
DATE							LAFFERTY 17-13-4 1H				-80.9286107
DOTATIONS CARROLL PROF DESTORATION CONSENTIA 52-5-50 DESCOVERY SECURITION CONSENTIA	CARROL		34	4019225060000	Drilled	CHESAPEAKE EXPLORATION LLC	LAFFERTY 17-13-4 6H	40.6175441	-80.9177652	40.6012708	-80.9069799
CARROLIN PARTY CARROLIN PARTY CARROLIN PARTY CARROLIN CARROLI	CARROL	ROLL PERRY	34	4019225070000	Drilled		POINSETTIA 36-12-5 8H	40.4661790	-81.0830211	40.4514979	-81.0718484
10/22/2013 CAMPOL PRIFEY 10/22/2013/2003 ORIGINATO CAMPOL PRIFEY 10/22/2013 ORIGINATO CAMPOL PRIFEY 10/22/2013/2003 ORIGINATO CAMPOL PRIFEY PRIFE	CARROL	ROLL PERRY	34	4019225080000	Drilled	CHESAPEAKE EXPLORATION LLC	POINSETTIA 36-12-5 6H	40.4661798	-81.0830930	40.4504898	-81.0742166
1973/2013	CARROL	ROLL PERRY	34	4019225090000	Drilled	CHESAPEAKE EXPLORATION LLC	POINSETTIA 36-12-5 1H	40.4662480	-81.0830556	40.4807402	-81.0963762
TOPS/PORT CARROLL PREP DATES/STREET DIRECT DATES	CARROI	ROLL PERRY	34	4019225100000	Drilled	CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 9H	40.4770893	-81.0771054	40.4646149	-81.0652737
1972/20731 CAMOOL PRINT MORPEST MORP	CARROL	ROLL PERRY			Drilling	CHESAPEAKE EXPLORATION LLC		40.4351686	-81.0641724	40.4200608	-81.0487369
Inchange Page Pag	CARROL	ROLL PERRY			Drilled	CHESAPEAKE EXPLORATION LLC		40.4351511	-81.0643093	40.4180016	-81.0571648
DESTRUCTION					Drilled						-81.0534185
DIAD/2018 CARROLL EE										40.5596820	-80.9792382
DESTRUCTION CARROLL LEE MO1925235000 Direct CHESAPEAKE ENDORFORD LC PPTEOSON 5612-3 971 40,546512 40,0565320 40,0575732 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,057573 40,05757					D.I.IICO						-80.9769658
MATERIAL										40.5613537	-80.9746897
D7217/2014											-80.9526618
1071/10781											-80.9526618 -80.9501071
DIAD/20218											
1,007/2013 CARROLL MASHINGTON M019/227320000 Onlined R. F. GAS DEVILOPMENT LLC GRUNDER SH 0.0055349 8.1,1864515 0.15 0.10 0.0055349 1.1,1007/2013 0.005011 0.0050341 0.0055349 1.1,1007/2013 0.005011 0.0050349 0.0050349 1.1,1007/2013 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.0050349 0.005034								L			-80.9479120
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0127770314 CARROLL											-81.0707634
0.17770194											-81.0775090
0.177/70131 CARROLL UNION 36103225330000 Dilling CHESPARE EXPLORATION LLC STANTON 29-13-5 8H 40.577668 81.0560995 41.576/7013 CARROLL UNION 3610322530000 Dilling CHESPARE EXPLORATION LLC STANTON 29-13-5 8H 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 81.0581913 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577828 40.577						A					-81.0747992
01/27/2014 CARROLL UNION 3401922530000 Drilled CHESAPPARE EXPLORATION LC STANTON 29-13-5 8H 40.5379272 81.056199 40.5 12/07/2013 CARROLL UNION 3401922530000 Drilled CHESAPPARE EXPLORATION LC STANTON 29-13-5 8H 40.5379229 81.056199 40.5 12/07/2013 CARROLL AUGUSTA 3401922530000 Drilled CHESAPPARE EXPLORATION LC STANTON 29-13-5 9H 40.5379229 81.056193 40.5 12/07/2013 CARROLL CENTER 3401922530000 Drilled CHESAPPARE EXPLORATION LC STANTON 29-13-5 9H 40.5579229 81.056193 40.5 12/07/2013 CARROLL CENTER 3401922530000 Drilled CHESAPPARE EXPLORATION LC GP FARMS 25-15-10 40.557927 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.056197 81.											-81.0725980
1/09/2013 CAMPOLL UNION 34019225350000 Orlind CHESAPEAKE ENFORATION ILC STANTON 29-13-5 8H 40.5375922 81.0561513 40.5 11/78/2013 CAMPOLL UNION 34019225350000 Orlind CHESAPEAKE ENFORATION ILC STANTON 29-13-5 9H 40.5875922 81.0567971 40.5 11/78/2013 CAMPOLL CENTER 34019225350000 Orlind CHESAPEAKE ENFORATION ILC STANTON 29-13-5 9H 40.58759270 81.0377398 40.5 11/78/2013 CAMPOLL LEE 34019225300000 Orlind CHESAPEAKE ENFORATION ILC STANTON 29-13-5 9H 40.5853944 40.57173013 CAMPOLL UNION 34019225400000 Orlind CHESAPEAKE ENFORATION ILC UNION 55-11-4 9H 40.5853944 40.9731534 40.5 11/78/2013 CAMPOLL LUUDON 34019225400000 Orlind CHESAPEAKE ENFORATION ILC UNION 55-11-4 9H 40.5853944 40.9731534 40.5 11/78/2013 CAMPOLL LEE 34019225400000 Orlind CHESAPEAKE ENFORATION ILC UNION 55-11-4 9H 40.4455843 40.9731534 40.5 11/78/2013 CAMPOLL LEE 34019225540000 Orlind CHESAPEAKE ENFORATION ILC UNION 55-11-4 9H 40.4455843 40.95153382 40.5 11/78/2013 CAMPOLL LEE 34019225540000 Orlind CHESAPEAKE ENFORATION ILC UNION 55-11-4 9H 40.585699 40.9731124 40.5 11/78/2013 CAMPOLL LEE 34019225550000 Orlind CHESAPEAKE ENFORATION ILC SALEY 55-12-4 9H 40.58699 40.9731124 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40	CARROL	ROLL UNION	N 34	4019225330000	Drilling	CHESAPEAKE EXPLORATION LLC	STANTON 29-13-5 5H	40.5376668	-81.0560595	40.5591725	-81.0703968
1,772/7013 CARROLL MUSISTA 3019225390000 Orlied CHESAPEAKE EXPLORATION LLC STANTON 29:13-5 10H 40,5379929 81,0569791 40,517267/2013 CARROLL CHINTE 3019225390000 Orlied CHESAPEAKE EXPLORATION LLC GF PARMS 25-14-5 10H 40,5572807 81,0589407 40,5111/37/2013 CARROLL LEE 30192253400000 Orlied CHESAPEAKE EXPLORATION LLC GF PARMS 25-14-5 10H 40,5572807 81,0589407 40,5111/37/2013 CARROLL LEE 3019225400000 Orlied CHESAPEAKE EXPLORATION LLC LUCAS 35-11-4 5H 40,459557 40,9512540000 Orlied CHESAPEAKE EXPLORATION LLC LUCAS 35-11-4 5H 40,459557 40,9512540000 Orlied CHESAPEAKE EXPLORATION LLC LUCAS 35-11-4 5H 40,459551 40,459557 40,9512540000 Orlied CHESAPEAKE EXPLORATION LLC LUCAS 35-11-4 5H 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551 40,459551	CARROL	ROLL UNION	N 34	4019225340000	Drilled	CHESAPEAKE EXPLORATION LLC	STANTON 29-13-5 6H	40.5375727	-81.0562199	40.5153178	-81.0470159
12757/2013 CARROLL AUGUSTA 34019225370000 Drilled OHEAPEARE EMPLORATION LLC ENERGY 21-15-5-5-15 H 40.6592287 \$13.037848 40.5 11/15/2013 CARROLL CEFTER 34019225360000 Drilled OHEAPEARE EMPLORATION LLC SALEY \$15-15-16 H 40.5369344 30.7315134 40.5 11/15/2013 CARROLL CUDDON 34019225400000 Drilled OHEAPEARE EMPLORATION LLC UCAS 35-11-15-16 H 40.495557 30.0512200 40.4 11/15/2013 CARROLL CUDDON 34019225400000 Drilled OHEAPEARE EMPLORATION LLC UCAS 35-11-16-16 H 40.495843 30.0512500 40.4 11/15/2013 CARROLL CUDDON 3401922540000 Drilled OHEAPEARE EMPLORATION LLC UCAS 35-11-16-16 H 40.495843 30.0512500 40.4 11/15/2013 CARROLL CUDDON 3401922540000 Drilled OHEAPEARE EMPLORATION LLC UCAS 35-11-16-16 H 40.495843 30.0512500 40.4 11/15/2013 CARROLL CUDDON 3401922540000 Drilled CHEAPEARE EMPLORATION LLC UCAS 35-11-16-16 H 40.495841 30.0512700 40.4 11/15/2013 CARROLL CUDDON 3401922550000 Drilled CHEAPEARE EMPLORATION LLC SALEY STATE OF THE STATE O	CARROL	ROLL UNION	N 34	4019225350000	Drilled	CHESAPEAKE EXPLORATION LLC	STANTON 29-13-5 8H	40.5375828	-81.0561513	40.5168514	-81.0434789
12/04/2013 CARROLL EENTER 34019225390000 Drilled CHESAPEAKE EMPORATION LLC GF FARMS 25-14-510H 40.5783974 50.583948 50.511/38/2013 CARROLL COUDON 3401922540000 Drilled CHESAPEAKE EMPORATION LLC LUCAS 35-11-45H 40.489557 30.961260 40.11/38/2013 CARROLL COUDON 3401922540000 Drilled CHESAPEAKE EMPORATION LLC LUCAS 35-11-45H 40.4495557 30.961260 40.11/38/2013 CARROLL COUDON 3401922540000 Drilled CHESAPEAKE EMPORATION LLC LUCAS 35-11-45H 40.4495814 30.9613525 40.04 40.4495814 30.9613525 40.04 40.4495814 30.9613525 40.04 40.4495814 30.9613525 40.04 40.4495814 30.9613525 40.04 40.4495814 30.9613729 40.04 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.560479 40.4495814 40.449581	CARROI	ROLL UNION	34	4019225360000	Drilled	CHESAPEAKE EXPLORATION LLC	STANTON 29-13-5 10H	40.5375929	-81.0560791	40.5237849	-81.0436042
11/15/20/13 CARROLL LEE 34/19/25/24/0000 Orilled CHESAPEAKE ERPORATION LLC LUCAS 35-11-45 H 40,536/3944 80,9731534 40.5 11/18/20/13 CARROLL LOUDON 34/19/25/24/0000 Orilled CHESAPEAKE ERPORATION LLC LUCAS 35-11-45 H 40,4495843 80,9513852 40.4 11/18/20/13 CARROLL LOUDON 34/19/25/24/0000 Orilled CHESAPEAKE ERPORATION LLC LUCAS 35-11-41 H 40,4495843 80,9513852 40.4 11/19/20/13 CARROLL LEE 34/19/25/25/0000 Orilled CHESAPEAKE ERPORATION LLC LUCAS 35-11-41 DH 40,536/3499 80,9731514 40.5 11/19/20/13 CARROLL LEE 34/19/25/25/0000 Orilled CHESAPEAKE ERPORATION LLC BAILEY 35-12-4 DH 40,536/3499 80,9731514 40.5 11/19/20/13 CARROLL LEE 34/19/25/25/0000 Orilled CHESAPEAKE ERPORATION LLC BAILEY 35-12-4 DH 40,536/3499 80,9731144 40.5 11/19/20/13 CARROLL WASHINGTON 34/19/25/25/0000 Permitted RESAPEAKE ERPORATION LLC RINGEY 21-15-5 205H 40,66697718 81,0377380 40.6 11/19/20/13 CARROLL WASHINGTON 34/19/25/55/0000 Orilled CHESAPEAKE ERPORATION LLC GRUNDER BH 40,6066718 81,0377380 40.5 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.	CARROI	ROLL AUGUS	STA 34	4019225370000	Drilled	CHESAPEAKE EXPLORATION LLC	KINSEY 21-15-5 5H	40.6698267	-81.0377368	40.6836423	-81.0460258
11/15/20/13 CARROLL LEE 34/19/25/24/0000 Orilled CHESAPEAKE ERPORATION LLC LUCAS 35-11-45 H 40,536/3944 80,9731534 40.5 11/18/20/13 CARROLL LOUDON 34/19/25/24/0000 Orilled CHESAPEAKE ERPORATION LLC LUCAS 35-11-45 H 40,4495843 80,9513852 40.4 11/18/20/13 CARROLL LOUDON 34/19/25/24/0000 Orilled CHESAPEAKE ERPORATION LLC LUCAS 35-11-41 H 40,4495843 80,9513852 40.4 11/19/20/13 CARROLL LEE 34/19/25/25/0000 Orilled CHESAPEAKE ERPORATION LLC LUCAS 35-11-41 DH 40,536/3499 80,9731514 40.5 11/19/20/13 CARROLL LEE 34/19/25/25/0000 Orilled CHESAPEAKE ERPORATION LLC BAILEY 35-12-4 DH 40,536/3499 80,9731514 40.5 11/19/20/13 CARROLL LEE 34/19/25/25/0000 Orilled CHESAPEAKE ERPORATION LLC BAILEY 35-12-4 DH 40,536/3499 80,9731144 40.5 11/19/20/13 CARROLL WASHINGTON 34/19/25/25/0000 Permitted RESAPEAKE ERPORATION LLC RINGEY 21-15-5 205H 40,66697718 81,0377380 40.6 11/19/20/13 CARROLL WASHINGTON 34/19/25/55/0000 Orilled CHESAPEAKE ERPORATION LLC GRUNDER BH 40,6066718 81,0377380 40.5 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.	CARROL				Drilled						-81.0421567
11/18/2013 CARROLL LOUDON 3401922540000 Dmiled CHESAPEAKE EXPLORATION LLC LUCAS 35-11-4 FH 40.4495581 80.9051529 40.4 11/26/2013 CARROLL LOUDON 34019225490000 Dmiled CHESAPEAKE EXPLORATION LLC LUCAS 35-11-4 HP 40.4495843 80.9051579 40.4 11/26/2013 CARROLL LUE 3401922550000 Dmiled CHESAPEAKE EXPLORATION LLC LUCAS 35-11-4 HD 40.4494981 80.901279 40.4 11/26/2013 CARROLL LUE 34019225550000 Dmiled CHESAPEAKE EXPLORATION LLC SAILEY 35-12-4 BH 40.536295 80.9731182 40.5 11/26/2013 CARROLL AUGUSTA 34019225550000 Permitted CHESAPEAKE EXPLORATION LLC SAILEY 35-12-4 BH 40.536295 80.973184 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5					Drilled						-80.9852297
11/18/2013 CARROLL LOUDON 3401922540000 Drilled CHESAPEAKE EXPLORATION LLC LUCAS 35-11-4 10H 40.4499813 80.9613739 40.4										40.4628416	-80.9658359
11/26/2013 CARROLL LOUDON 34/19/22540000 Drilled CHESAPPAKE EXPLORATION LLC LUCAS 35-11-4 10H 40.4969814 80.9612739 40.04 40.5963499 80.9731112 40.5 40.572739 40.5 40.572739 40.5 40.572739 40.5 40.572739 40.5 40.572739 40.5 40.572739 40.5 40.572739 40.5 40.572739 40.5 40.572739 40.5 40.572739 40.5 40.572739 40.5 40.572739 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.										40.4603011	-80.9725146
11/29/2013 CARROLL LEE 3401922550000 Drilled CHESAPEAKE EXPLORATION LLC BALEY 35-12-48 H 40,5863499 80,9731112 40,5512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,512 40,5											-80.9467306
11/29/2013 CARROLL LEE 34019225510000 Orlined CHESAPEAKE EXPLORATION LLC BAILEY 35-12-4 BH 40.5862955 80.9731484 40.512/97.13 ADRIVED AVERAGE EXPLORATION LLC KINSPEY 21-15-5 205H 40.6967378 81.0373784 40.572/97.13 ADRIVED AVERAGE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC											-80.9550916
12/03/2013											-80.9544444
12/04/2013 CARROLL WASHINGTON 34019225530000 Permitted R E GAS DEVELOPMENT LLC GRUNDER 8H 40.06666108 81.0844322 40.0											
ACAROLL WASHINGTON 34019225550000 Orilled R. E. GAS DEVLOPMENT LLC GRUNDER 6H 40.0666108 81.0844829 40.5											-81.0425606
12/09/2013											-81.0923558
D1/14/2014 CARROLL LOUDON 34019225560000 Drilled CHESAPEAKE EXPLORATION LLC TUCKOSH 35-11-4 6H 40.4413232 80.9697088 40.4 D1/14/2014 CARROLL LOUDON 34019225560000 Drilled CHESAPEAKE EXPLORATION LLC TUCKOSH 35-11-4 8H 40.4413333 80.9696611 40.4 D2/26/2014 CARROLL UNION 3401922560000 Drilled CHESAPEAKE EXPLORATION LLC G SALTSMAN 28-14-4 6H 40.6616489 80.9357704 40.6 D2/26/2014 CARROLL UNION 34019225630000 Drilled CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 1H 40.4957099 81.0599854 40.5 D2/26/2014 CARROLL UNION 34019225650000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 3H 40.4957328 81.0598854 40.5 D2/26/2014 CARROLL UNION 34019225650000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 5H 40.4957439 81.0598167 40.5 D2/26/2014 CARROLL UNION 34019225660000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 5H 40.4957439 81.0598167 40.5 D2/26/2014 CARROLL UNION 34019225660000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 5H 40.495642 81.0598906 40.4 D2/26/2014 CARROLL UNION 34019225670000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 8H 40.4956726 81.059806 40.4 D2/26/2014 CARROLL UNION 34019225670000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 10H 40.4956726 81.059806 40.4 D2/26/2014 CARROLL UNION 34019225670000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 20H 40.4956726 81.059806 40.4 D2/26/2014 CARROLL UNION 34019225700000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 20H 40.4956726 81.05600228 40.5 D2/26/2014 CARROLL UNION 34019225700000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 20H 40.4956715 81.06600228 40.5 D2/26/2014 CARROLL UNION 34019225700000 Drilling CHESAPEAKE EXPLORATION LLC GARRER 29-13-5 8H 40.5338128 81.06432753 40.5 D6/99/2014 CARROLL UNION 34019225700000 Permitted CHES										40.5943844	-81.0739683
D1/14/2014 CARROLL COUDON 3401922550000 Drilling CHESAPEAKE EXPLORATION LLC TUCKOSH 35-11-4.8H											-80.9759548
D2/24/2014 CARROLL EAST 34019225620000 Drilled CHESAPEAKE EXPLORATION LLC G SALTSMAN 28-14-4 6H 40.6616489 80.9357704 40.6 D2/26/2014 CARROLL UNION 34019225630000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 1H 40.4957099 81.0599541 40.5 D2/26/2014 CARROLL UNION 34019225630000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 3H 40.4957038 81.0598167 40.5 D2/26/2014 CARROLL UNION 34019225650000 Permitted CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 5H 40.4957339 81.0598167 40.5 D2/26/2014 CARROLL UNION 3401922560000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 6H 40.495639 81.0599593 40.5 D2/26/2014 CARROLL UNION 3401922560000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 8H 40.4956542 81.0598959 40.5 D2/26/2014 CARROLL UNION 3401922560000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 10H 40.4956542 81.0598218 40.5 D2/26/2014 CARROLL UNION 3401922560000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 10H 40.4956766 81.0598218 40.5 D2/26/2014 CARROLL UNION 3401922560000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 200H 40.4956916 81.0500248 40.5 D2/26/2014 CARROLL UNION 34019225700000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 200H 40.4956916 81.0500248 40.5 D2/26/2014 CARROLL UNION 34019225700000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 8H 40.5338212 81.0642861 40.5 D6/09/2014 CARROLL UNION 34019225700000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 8H 40.5338218 81.0642861 40.5 D6/09/2014 CARROLL UNION 34019225700000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 8H 40.533884 81.0642861 40.5 D6/09/2014 CARROLL UNION 34019225700000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 8H 40.5338884 81.0642861 40.5 D6/09/2014 CARROLL UNION 34019225700000 Permitted CHES											-80.9607081
02/26/2014 CARROLL UNION 34019225630000 Drilled CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 1H 40.4957099 81.0599541 40.5											-80.9573508
O2/26/2014 CARROLL UNION 34019225560000 Permitted CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 3H 40.4957283 81.0598854 40.5											-80.9192228
CAPACIL UNION 34019225650000 Permitted CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 FH 40.4957439 81.0598167 40.5					Drilled	CHESAPEAKE EXPLORATION LLC	HOLMES 26-13-5 1H				-81.0723190
CARROLL UNION 34019225660000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 6H 40.4956359 -81.0599593 40.4					Drilling					40.5088835	-81.0692613
CARROLL UNION 34019225670000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 8H 40.4956542 -81.0598906 40.4	CARROL	ROLL UNION	N 34	4019225650000	Permitted	CHESAPEAKE EXPLORATION LLC	HOLMES 26-13-5 5H	40.4957439	-81.0598167	40.5148028	-81.0688499
02/26/2014 CARROLL UNION 34019225680000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 10H 40.4956726 -81.0598218 40.4	CARROI	ROLL UNION	N 34	4019225660000	Drilling	CHESAPEAKE EXPLORATION LLC	HOLMES 26-13-5 6H	40.4956359	-81.0599593	40.4806623	-81.0533913
O2/26/2014 CARROLL UNION 34019225680000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 10H 40.4956726 -81.0598218 40.4	CARROI	ROLL UNION	N 34	4019225670000	Drilling	CHESAPEAKE EXPLORATION LLC	HOLMES 26-13-5 8H	40.4956542	-81.0598906	40.4821848	-81.0498349
02/26/2014 CARROLL UNION 34019225690000 Drilled CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 201H 40.4956916 -81.0600228 40.5 02/26/2014 CARROLL UNION 3401922570000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 206H 40.4956175 -81.0600244 40.4 05/23/2014 CARROLL UNION 3401922570000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 8H 40.5338220 -81.0643248 40.5 06/09/2014 CARROLL UNION 34019225730000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 1H 40.5338220 -81.0643753 40.5 05/23/2014 CARROLL UNION 34019225740000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 6H 40.533828 -81.0642861 40.5 06/09/2014 CARROLL UNION 34019225750000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 5H 40.5338884 -81.0642730 40.5 06/09/2014 CARROLL UNION 34019225750000 Permitted CHESAPEAKE EXPLORA	CARROI	ROLL UNION									-81.0443927
O2/26/2014 CARROLL UNION 3401922570000 Drilling CHESAPEAKE EXPLORATION LLC HOLMES 26-13-5 206H 40.4956175 81.0600244 40.4											-81.0767200
05/23/2014 CARROLL UNION 34019225730000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 8H 40.5338220 -81.0642348 40.5 06/09/2014 CARROLL UNION 34019225730000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 1H 40.5338128 -81.0643753 40.5 05/23/2014 CARROLL UNION 34019225740000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 6H 40.53388128 -81.0643753 40.5 06/09/2014 CARROLL UNION 34019225750000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 5H 40.5338884 -81.0642761 40.5 06/09/2014 CARROLL UNION 34019225760000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 5H 40.5338884 -81.0642761 40.5 06/09/2014 CARROLL UNION 34019225760000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 3H 40.5338506 -81.0643241 40.5 03/10/2014 CARROLL EAST 34019225770000 Drilled CHESAPEAKE EXPLORATION LLC GARNER 29-13-6 3H 40.6616988 -80.9358017 40.6 03/10/2014 CARROLL EAST 34019225780000 Drilled CHESAPEAKE EXPLORATION LLC GARNER 29-13-6 3H 40.6616988 -80.9358017 40.6 04/03/2014 CARROLL EAST 34019225780000 Drilled CHESAPEAKE EXPLORATION LLC GARNER 29-13-6 3H 40.6616988 -80.9358017 40.6 04/03/2014 CARROLL EAST 34019225780000 Drilled CHESAPEAKE EXPLORATION LLC GARNER 29-13-6 3H 40.6416988 -80.9358017 40.6 04/03/2014 CARROLL EAST 34019225780000 Drilled CHESAPEAKE EXPLORATION LLC GARNER 29-13-6 3H 40.641698 -80.9358017 40.6 04/03/2014 CARROLL EAST 34019225780000 Drilled CHESAPEAKE EXPLORATION LLC GARNER 29-13-6 3H 40.641698 -80.9358017 40.6 04/03/2014 CARROLL EAST 34019225780000 Drilled CHESAPEAKE EXPLORATION LLC GARNER 29-13-6 3H 40.641698 -80.9358017 40.6 04/03/2014 CARROLL EAST 34019225780000 Drilled CHESAPEAKE EXPLORATION LLC GARNER 29-13-6 3H 40.641696 -80.9358010 40.6 04/03/2014 CARROLL EAST 34019225780000 Drilled CHESAPEAKE EXPLORATION LLC GARNER 29-13-6 3H 40.6 04/03/2014 CARROLL EAST 34019225780000 Drilled CHESAPEAKE EXPLORATION LLC GARNER 29-13-6 3H 40.6 04/04/05/104 40.4951069 -80.9358030 40.6 04/04/05/104 40.4951069 -80.9358030 40.6 04/04/05/104 40.4951069 -80.9358030 40.6 04/04/05/104 40.4951069 -80.935803											-81.0569475
06/09/2014 CARROLL UNION 34019225730000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 1H 40.5338128 -81.0643753 40.5 05/23/2014 CARROLL UNION 34019225740000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 6H 40.5337815 -81.0642861 40.5 06/09/2014 CARROLL UNION 34019225750000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 5H 40.5338884 -81.0642730 40.5 06/09/2014 CARROLL UNION 34019225760000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 5H 40.5338884 -81.0642730 40.5 03/10/2014 CARROLL EAST 34019225760000 Permitted CHESAPEAKE EXPLORATION LLC G SALTSMAN 28-14-4 8H 40.6616988 -81.0642730 40.5 03/10/2014 CARROLL EAST 34019225770000 Drilled CHESAPEAKE EXPLORATION LLC G SALTSMAN 28-14-4 9H 40.6617886 -80.935837 40.6 03/10/2014 CARROLL EAST 34019225790000 Drilled CHESAPEAKE EXPLO											-81.0499085
05/23/2014 CARROLL UNION 34019225740000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 6H 40.5337815 -81.0642861 40.5 06/09/2014 CARROLL UNION 34019225750000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 5H 40.5338884 -81.0642730 40.5 06/09/2014 CARROLL UNION 34019225760000 Permitted CHESAPEAKE EXPLORATION LLC GARNER 29-13-5 3H 40.5338896 -81.0642730 40.5 03/10/2014 CARROLL EAST 34019225760000 Drilled CHESAPEAKE EXPLORATION LLC G SALTSMAN 28-14-4 8H 40.6616988 -80.9358017 40.6 03/10/2014 CARROLL EAST 34019225780000 Drilled CHESAPEAKE EXPLORATION LLC G SALTSMAN 28-14-4 10H 40.6617486 -80.9358013 40.6 04/03/2014 CARROLL PERRY 34019225790000 Drilled CHESAPEAKE EXPLORATION LLC BAUER 14-14-6 210H 40.4951069 -81.1399930 40.4											-81.0832742
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											-81.1209855
											-81.1256298
						CHESAPEAKE EXPLORATION LLC	BAUER 14-14-6 6H				-81.1244852
04/17/2014 CARROLL AUGUSTA 34019225850000 Drilled CHESAPEAKE EXPLORATION LLC LOZIER 14-15-5 205H 40.6859953 -81.0044664 40.7	CARROL	ROLL AUGUS	STA 34	4019225850000	Drilled	CHESAPEAKE EXPLORATION LLC	LOZIER 14-15-5 205H	40.6859953	-81.0044664	40.7046171	-81.0097571
	CARROI	ROLL AUGUS	STA 34	4019225860000	Drilled	CHESAPEAKE EXPLORATION LLC	LOZIER 14-15-5 6H		-81.0047200	40.6700604	-80.9959992
										40.5964819	-80.8838111

CAMPORED CAMPORED PORT Mod 0755800000 Portified CHESPARE PERFORMANCE CHESPARE CHESP	40.5916643 40.6634872 40.6981001 40.6628432 40.6612493 40.5756957 40.6116914 40.7426493 40.6622240 40.6947341 40.4734820 40.4734820 40.4734820 40.5148356 40.5148356 40.5141554 40.5134780 40.4812060 40.7110947 40.8584735 40.7225139 40.687381 40.7569075	-80.8883325 -80.9657178 -80.9927849 -80.9582450 -80.9620059 -80.9070490 -80.9383799 -80.9469767 -81.0104019 -81.0235511 -81.0188149 -81.0166331 -81.0469154 -81.0455805 -81.0471420 -81.0487035
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Degree Common	40.4744393 40.5155130 40.5148356 40.5141554 40.5134780 40.4812060 40.7110947 40.8584735 40.7225139 40.6687381	-81.0166331 -81.0440154 -81.0455805 -81.0471420
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GARROLL LE 34019226050000 Permitted OHEMPERAS ENFORATION LIC KENNETY 14-13-5 10H 40.4966310 40.2058011 60.673/7011 COLUMBIANA MODITOR 34039216930100 Permitted OHEMPERAS ENFORATION LIC 1400PE, 35-7, 38H 40.7311131 40.545737 40.7311131 40.545737 40.7311131 40.545737 40.7311131 40.545737 40.7311131 40.545737 40.7311131 40.545737 40.7311131 40.545737 40.7311131 40.545737 40.7311131 40.545737 40.7311131 40.545737 40.7311131 40.545737 40.7311131 40.545737 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7311131 40.7	40.5134780 40.4812060 40.7110947 40.8584735 40.7225139 40.6687381	
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Mode	40.7110947 40.8584735 40.7225139 40.6687381	-81.0187114
MONTATION COLUMBIANA MIDLETON 3402215990100 Producing CHESAPEAKE EMPORATION LIC SANOR FARMS 23.17.5 S.H 40.8787518 81.004579 MONTATION COLUMBIANA MIDLETON 3402215990000 Drilled CHESAPEAKE EMPORATION LIC SUMMITCREST 35.14.4 S.H 40.6550780 80.8918799 MITH/SZ011 COLUMBIANA WEST 3402215990100 Permitted CHESAPEAKE EMPORATION LIC AFFRENCE 57.16.5 S.H 40.745258 81.014279 MONTATION COLUMBIANA HANGVER 3402215909100 Permitted CHESAPEAKE EMPORATION LIC LAPAGE 17.15.4 S.H 40.7795747 80.9404556 MONTATION COLUMBIANA HANGVER 3402217000100 Permitted CHESAPEAKE EMPORATION LIC LAPAGE 17.15.4 S.H 40.7795757 80.9404556 MONTATION COLUMBIANA HANGVER 340221700000 Producing CHESAPEAKE EMPORATION LIC LAPAGE 17.15.4 S.H 40.7464992 81.0142715 MONTATION COLUMBIANA WEST 340221700000 Producing CHESAPEAKE EMPORATION LIC AFFRENCE 57.16.5 S.H 40.7444992 81.0142715 MONTATION MONTAT	40.8584735 40.7225139 40.6687381	-80.5330017
MODIETON	40.7225139 40.6687381	-81.0105065
	40.6687381	-80.5411903
11/14/2011 COLUMBIANA WEST 34029216990100 Producing CHESAPEAKE EPROPATION LLC ANYNEW ACRES 27-16-5 3H 40,745285 31,0142023 40,7757947 30,940455 11/08/2011 COLUMBIANA HANOVER 34029217000100 Permitted CHESAPEAKE EPROPATION LLC ATREBUCOKE 27-16-5 1H 40,7505394 30,8644992 11/12/12/011 COLUMBIANA WEST 34029217000000 Producing CHESAPEAKE EPROPATION LLC ATREBUCOKE 27-16-5 1H 40,7467928 30,8644992 11/12/12/011 COLUMBIANA WEST 34029217000000 Producing CHESAPEAKE EPROPATION LLC ATREBUCOKE 27-16-5 5H 40,744992 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,0142915 31,014291		-80.9051631
10/12/2011 COLUMBIANA		-81.0233690
11/21/2011 COLUMBIANA WEST 3402921700000 Producing CHESAPEAKE EXPLORATION LIC APWIEW ACRES 27-16-5 1H 40.7444976 81.0142919 11/21/2011 COLUMBIANA WEST 3402921700000 Permitted CHESAPEAKE EXPLORATION LIC APWIEW ACRES 27-16-5 5H 40.6140611 80.7604519 01/20/2012 COLUMBIANA WASHINGTON 3402921700000 Permitted CHESAPEAKE EXPLORATION LIC ANIE TRUST 5-12-3 3H 40.6140611 80.7604519 01/20/2012 COLUMBIANA WASHINGTON 3402921700000 Poducing CHESAPEAKE EXPLORATION LIC AIRLINES 5-12-3 3H 40.6140611 80.7604519 01/20/2012 COLUMBIANA WASHINGTON 3402921700000 Drilled CHESAPEAKE EXPLORATION LIC AIRLINES 5-12-3 1H 40.6140959 80.7605312 02/80/2012 COLUMBIANA WASHINGTON 3402921700000 Producing CHESAPEAKE EXPLORATION LIC AIRLINES 5-12-3 1H 40.782354 80.7605312 02/80/2012 COLUMBIANA MADISON 3402921700000 Producing CHESAPEAKE EXPLORATION LIC HENCEROTH 36-15-4 3H 40.7883355 80.868409 02/710/2012 COLUMBIANA MIDULETON 3402921700000 Producing CHESAPEAKE EXPLORATION LIC HENCEROTH 36-15-4 3H 40.788325 80.868409 02/710/2012 COLUMBIANA FRANKLIN 34029217100000 Permitted CHESAPEAKE EXPLORATION LIC AIRLINES 5-12-1 3H 40.788325 80.868409 02/710/2012 COLUMBIANA FRANKLIN 34029217100000 Permitted CHESAPEAKE EXPLORATION LIC AIRLINES 24-14-4 10H 40.684009 90.863139 03/710/2012 COLUMBIANA MADISON 34029217130000 Producing CHESAPEAKE EXPLORATION LIC AIRLINES 24-14-4 10H 40.684009 90.863139 03/710/2012 COLUMBIANA MADISON 34029217130000 Producing CHESAPEAKE EXPLORATION LIC AIRLINES 24-14-4 3H 40.6861522 80.7051400 02/710/2012 COLUMBIANA MADISON 34029217130000 Producing CHESAPEAKE EXPLORATION LIC AIRLINES 41-5-4 3H 40.6861522 80.7051400 02/710/2012 COLUMBIANA AIRLINES 34029217130000 Producing CHESAPEAKE EXPLORATION LIC AIRLINES 54-13-14 40.788200 80.8685653 40.7051400 40.7051400 40.7051400 40.7051400 40.7	40.7941617	-80.9509532
11/21/2011 COLUMBIANA WEST 3402921700000 Producing CHESAPEAKE EXPLORATION LIC APWIEW ACRES 27-16-5 1H 40.7444976 81.0142919 11/21/2011 COLUMBIANA WEST 3402921700000 Permitted CHESAPEAKE EXPLORATION LIC APWIEW ACRES 27-16-5 5H 40.6140611 80.7604519 01/20/2012 COLUMBIANA WASHINGTON 3402921700000 Permitted CHESAPEAKE EXPLORATION LIC ANIE TRUST 5-12-3 3H 40.6140611 80.7604519 01/20/2012 COLUMBIANA WASHINGTON 3402921700000 Poducing CHESAPEAKE EXPLORATION LIC AIRLINES 5-12-3 3H 40.6140611 80.7604519 01/20/2012 COLUMBIANA WASHINGTON 3402921700000 Drilled CHESAPEAKE EXPLORATION LIC AIRLINES 5-12-3 1H 40.6140959 80.7605312 02/80/2012 COLUMBIANA WASHINGTON 3402921700000 Producing CHESAPEAKE EXPLORATION LIC AIRLINES 5-12-3 1H 40.782354 80.7605312 02/80/2012 COLUMBIANA MADISON 3402921700000 Producing CHESAPEAKE EXPLORATION LIC HENCEROTH 36-15-4 3H 40.7883355 80.868409 02/710/2012 COLUMBIANA MIDULETON 3402921700000 Producing CHESAPEAKE EXPLORATION LIC HENCEROTH 36-15-4 3H 40.788325 80.868409 02/710/2012 COLUMBIANA FRANKLIN 34029217100000 Permitted CHESAPEAKE EXPLORATION LIC AIRLINES 5-12-1 3H 40.788325 80.868409 02/710/2012 COLUMBIANA FRANKLIN 34029217100000 Permitted CHESAPEAKE EXPLORATION LIC AIRLINES 24-14-4 10H 40.684009 90.863139 03/710/2012 COLUMBIANA MADISON 34029217130000 Producing CHESAPEAKE EXPLORATION LIC AIRLINES 24-14-4 10H 40.684009 90.863139 03/710/2012 COLUMBIANA MADISON 34029217130000 Producing CHESAPEAKE EXPLORATION LIC AIRLINES 24-14-4 3H 40.6861522 80.7051400 02/710/2012 COLUMBIANA MADISON 34029217130000 Producing CHESAPEAKE EXPLORATION LIC AIRLINES 41-5-4 3H 40.6861522 80.7051400 02/710/2012 COLUMBIANA AIRLINES 34029217130000 Producing CHESAPEAKE EXPLORATION LIC AIRLINES 54-13-14 40.788200 80.8685653 40.7051400 40.7051400 40.7051400 40.7051400 40.7	40.7618110	-80.8726688
11/21/2011 COLUMBIANA WEST 3409217/200000 Producing CHESAPEAKE EXPLORATION LIC AINE TRUST 5-12-3 3H 40.6140511 40.6140511 40.7444736 81.0141999 10/20/2012 COLUMBIANA WASHINGTON 3409217/2050100 Producing CHESAPEAKE EXPLORATION LIC AINE TRUST 5-12-3 3H 40.6140511 40.6848558 80.8634803 10/30/2012 COLUMBIANA WASHINGTON 3409217/0050100 Producing CHESAPEAKE EXPLORATION LIC AINE TRUST 5-12-3 3H 40.6488558 80.8634803 40.6726/2012 COLUMBIANA WASHINGTON 3409217/0050100 Producing CHESAPEAKE EXPLORATION LIC AINE TRUST 5-12-3 3H 40.6488558 80.8634803 40.723594 40.723594 40.723594 40.723594 40.723594 40.723594 40.723594 40.723595 40.723594 40.723594 40.723595 40.723594 40.723595 40.723594 40.723595 40.723594 40.723595 40.723594 40.723595 40.723594 40.723595 40.723594 40.723594 40.723595 40.723594 40.723595 40.723594 40.723595 40.723594 40.723595 40.723594 40.723595 40.723594 40.723595 40.723594 40.723595 40.723595 40.723595 40.723594 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723595 40.723	40.7539559	-81.0254744
D1/20/2012 COLUMBIANA WASHINGTON 34029217960100 Permitted CHESAPEAKE EXPLORATION LIC LABANESO 24-14-4 BH 40.6140511 8-0.7604519 1-0.7007012 COLUMBIANA WASHINGTON 34029217050100 Drilled CHESAPEAKE EXPLORATION LIC LABANESO 24-14-4 BH 40.6140595 8-0.7605312 COLUMBIANA WASHINGTON 34029217050000 Permitted CHESAPEAKE EXPLORATION LIC ANIE TRUST 5-12-3 1H 40.6140595 8-0.7605312 COLUMBIANA WASHINGTON 34029217050000 Permitted CHESAPEAKE EXPLORATION LIC ERRICCH 3-10-2 BH 40.7233954 8-0.6725687 COLUMBIANA WASHINGTON 34029217050000 Permitted CHESAPEAKE EXPLORATION LIC ERRICCH 3-13-13 H 40.7383355 8-0.8084409 02/16/2012 COLUMBIANA MIDDLETON 34029217050000 Permitted CHESAPEAKE EXPLORATION LIC STATELINE RESOURCES 13-7-1 BH 40.7784922 8-0.5293838 02/16/2012 COLUMBIANA FRANKLIN 34029217100000 Permitted CHESAPEAKE EXPLORATION LIC ALBANESO 24-14-4 H 40.684906 8-0.8634466 02/16/2012 COLUMBIANA FRANKLIN 34029217100000 Permitted CHESAPEAKE EXPLORATION LIC ALBANESO 24-14-4 H 40.684906 8-0.8635139 02/16/2012 COLUMBIANA FRANKLIN 34029217100000 Permitted CHESAPEAKE EXPLORATION LIC ALBANESO 24-14-4 H 40.684906 8-0.8635139 02/16/2012 COLUMBIANA FRANKLIN 34029217130000 Permitted CHESAPEAKE EXPLORATION LIC ALBANESO 24-14-4 H 40.684906 8-0.8635139 02/16/2012 COLUMBIANA MADISON 34029217130000 Producing CHESAPEAKE EXPLORATION LIC CHESAPEAKE EXPLORA	40.7578824	-81.0193545
D2/10/2012 COLUMBIANA FANKILN 34029217050100 Producing CHESAPEAKE EXPLORATION LLC AIRANESO 24-14-4 8H 40.6848558 80.8634803 D1/30/2012 COLUMBIANA WASHINGTON 34029217050000 Permitted CHESAPEAKE EXPLORATION LLC KERNICH 3-10-2 8H 40.7223594 80.6729687 D2/08/2012 COLUMBIANA MADISON 34029217050000 Producing CHESAPEAKE EXPLORATION LLC HENCEROTH 36-15-4 3H 40.7223594 80.6729687 D2/08/2012 COLUMBIANA MIDDLETON 34029217050000 Permitted CHESAPEAKE EXPLORATION LLC HENCEROTH 36-15-4 3H 40.7833355 80.8684409 D2/15/2012 COLUMBIANA MIDDLETON 34029217050000 Permitted CHESAPEAKE EXPLORATION LLC STATELINE RESOURCES 13-7-1 8H 40.7843355 80.8684409 D2/15/2012 COLUMBIANA FRANKILN 340292171100000 Permitted CHESAPEAKE EXPLORATION LLC AIRANESO 24-14-4 10H 40.6849048 80.8634466 D2/15/2012 COLUMBIANA FRANKILN 340292171100000 Permitted CHESAPEAKE EXPLORATION LLC AIRANESO 24-14-4 10H 40.6849088 80.8634466 D3/23/2012 COLUMBIANA HANOVER 34029217120000 Permitted CHESAPEAKE EXPLORATION LLC AIRANESO 24-14-4 10H 40.7323019 80.903784 D2/16/2012 COLUMBIANA HANOVER 34029217130000 Producing CHESAPEAKE EXPLORATION LLC AIRANESO 24-14-4 10H 40.6861522 80.7051400 D6/07/2012 COLUMBIANA BUTLER 340292171400100 Permitted CHESAPEAKE EXPLORATION LLC AIRANESO 24-14-4 10H 40.6861522 80.7051400 D6/07/2012 COLUMBIANA BUTLER 340292171400100 Permitted CHESAPEAKE EXPLORATION LLC HERRON TRUST NORTH 22-16-4 3H 40.8661522 80.7051400 D6/07/2012 COLUMBIANA HANOVER 34029217150000 Permitted CHESAPEAKE EXPLORATION LLC HERRON TRUST NORTH 22-16-4 3H 40.7383200 80.8685060 D6/07/2012 COLUMBIANA HANOVER 34029217150000 Producing CHESAPEAKE EXPLORATION LLC HERRON TRUST NORTH 22-16-4 3H 40.7383200 80.8685060 D6/07/2012 COLUMBIANA HANOVER 34029217150000 Producing CHESAPEAKE EXPLORATION LLC FOWLER 32-8-11 H 40.7393303 80.8645571 20.0	40.6284846	-80.7708842
D130/2012 COLUMBIANA WASHINGTON 34029217060100 Drilled CHESAPEAKE EXPLORATION LLC ANIE TRUST 5-12-3 1H 40.6140595 80.7605312 COLUMBIANA MADISON 34029217080000 Permitted CHESAPEAKE EXPLORATION LLC RERNICH 3-10-2 8H 40.7235934 80.6729867 COLUMBIANA MADISON 34029217080000 Producing CHESAPEAKE EXPLORATION LLC HENCEROTH 36-15-4 3H 40.7383355 80.8684409 COLUMBIANA MIDDLETON 34029217080000 Permitted CHESAPEAKE EXPLORATION LLC STATELINE RESOURCES 13-7-1 8H 40.7383355 80.8684409 COLUMBIANA MIDDLETON 34029217100000 Permitted CHESAPEAKE EXPLORATION LLC ALBANESO 24-14-4 10H 40.6849048 50.8634466 COL/16/2012 COLUMBIANA FRANKLIN 34029217110000 Permitted CHESAPEAKE EXPLORATION LLC ALBANESO 24-14-4 5H 40.7383104 40.7383109 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.7323019 70.73	40.6706711	-80.8531935
D2/08/2012 COLUMBIANA	40.6254958	-80.7733113
D2/08/2012 COLUMBIANA	40.7077785	-80.6625290
D2/15/2012 COLUMBIANA FRANKLIN 34029217100000 Permitted CHESAPEAKE EXPLORATION LLC ALBANESO 24-14-4 10H 40.6849048 -80.8634166	40.7527171	-80.8789820
D2/16/2012 COLUMBIANA FRANKLIN 34/029217120000 Permitted CHESAPEAKE EXPLORATION LLC ALBANESO 24-14-4 6H 40.6848069 80.863513784	40.7708470	-80.5211679
03/23/2012 COLUMBIANA HANOVER 34029217120000 Producing CHESAPEAKE EXPLORATION LLC HANOVER FARMS 34-15-4 3H 40.7322301 40.0801329 40.09013784	40.6719205	-80.8497733
D2/16/2012 COLUMBIANA MADISON 34029217130000 Producing CHESAPEAKE EXPLORATION LLC ROSEBUD 16-10-2 8H 40.6861522 80.7051400	40.6691331	-80.8564009
06/07/2012 COLUMBIANA BUTLER 34029217140100 Permitted CHESAPEAKE EXPLORATION LLC HERRON TRUST NORTH 22-16-4 3H 40.8563646 -80.8996533 02/24/2012 COLUMBIANA HANOVER 34029217150000 Permitted CHESAPEAKE EXPLORATION LLC HENCEROTH 36-15-4 1H 40.7383200 -80.8865052 10/23/2012 COLUMBIANA WASHINGTON 34029217160000 Producing CHESAPEAKE EXPLORATION LLC JANIE TRUST 5-12-3 10H 40.6139604 -80.7695122 10/23/2012 COLUMBIANA ELK RUN 3402921719000 Drilled CHESAPEAKE EXPLORATION LLC RED 28-11-2 8H 40.7492560 -80.6926420 06/21/2012 COLUMBIANA UNITY 34029217180100 Drilled CHESAPEAKE EXPLORATION LLC FOWLER 32-8-1 1H 40.8211171 -80.6993435 03/05/2012 COLUMBIANA HANOVER 34029217190100 Producing CHESAPEAKE EXPLORATION LLC TREBILCOCK 25-15-4 1H 40.7505303 -80.8645671 03/23/2012 COLUMBIANA HANOVER 34029217200000 Producing CHESAPEAKE EXPLORATION LLC HANOVER FAMS 34-15-4 6H 40.7505303 <td>40.7467304</td> <td>-80.9147844</td>	40.7467304	-80.9147844
COLUMBIANA HANOVER 34029217150000 Permitted CHESAPEAKE EXPLORATION LLC HENCEROTH 36-15-4 1H 40.7383200 -80.8685062 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.0650620 -80.06506	40.6746715	-80.6968178
03/06/2012 COLUMBIANA WASHINGTON 34029217160000 Producing CHESAPEAKE EXPLORATION LLC JANIE TRUST 5-12-3 10H 40.6139604 -80.7605122	40.8705997	-80.9105598
10/23/2012 COLUMBIANA ELK RUN 34029217170000 Drilled CHESAPEAKE EXPLORATION LLC REED 28-11-2 8H 40.7492560 -80.6926420	40.7512125	-80.8824699
06/21/2012 COLUMBIANA UNITY 34029217180100 Drilled CHESAPEAKE EXPLORATION LLC FOWER 32-8-1 1H 40.8211171 -80.6093435 03/23/2012 COLUMBIANA HANOVER 34029217190100 Producing CHESAPEAKE EXPLORATION LLC TREBILCOCK 25-15-4 1H 40.7503203 -80.8645671 03/23/2012 COLUMBIANA HANOVER 3402921720000 Producing CHESAPEAKE EXPLORATION LLC HANOVER FARMS 34-15-4 6H 40.7321946 -80.9436671 07/12/2012 COLUMBIANA FAIRFIELD 3402921720000 Producing CHESAPEAKE EXPLORATION LLC MELLINGER 7-12-2 8H 40.8728208 -80.7406757 03/12/2012 COLUMBIANA WEST 34029217230000 Producing CHESAPEAKE EXPLORATION LLC HENDERSON 25-16-5 8H 40.7537257 -80.9923546 03/19/2012 COLUMBIANA MADISON 34029217240100 Producing CHESAPEAKE EXPLORATION LLC KERNICH 3-10-2 1H 40.7523852 -80.6730402 06/05/2012 COLUMBIANA ELK RUN 34029217250000 Producing CHESAPEAKE EXPLORATION LLC MORRIS 28-11-2 3H 40.7505735 <td< td=""><td>40.6032738</td><td>-80.7494528</td></td<>	40.6032738	-80.7494528
03/05/2012 COLUMBIANA HANOVER 34029217190100 Producing CHESAPEAKE EXPLORATION LLC TREBILCOCK 25-15-4 1H 40.7505303 -80.8645671 03/23/2012 COLUMBIANA HANOVER 34029217200000 Producing CHESAPEAKE EXPLORATION LLC HANOVER FARMS 34-15-46H 40.7321946 -80.9043666 03/12/2012 COLUMBIANA FAIRFIELD 34029217210100 Producing CHESAPEAKE EXPLORATION LLC MELLINGER 7-12-28H 40.7321826 -80.7406757 03/12/2012 COLUMBIANA WEST 34029217230000 Producing CHESAPEAKE EXPLORATION LLC HENDERSON 25-16-58H 40.7537257 -80.9923546 03/19/2012 COLUMBIANA MADISON 34029217240100 Producing CHESAPEAKE EXPLORATION LLC KERNICH 3-10-21H 40.7233852 -80.6730402 06/05/2012 COLUMBIANA ELK RUN 34029217250000 Producing CHESAPEAKE EXPLORATION LLC MOSTONE 24-11-23H 40.7505735 -80.0933304 06/05/2012 COLUMBIANA ELK RUN 34029217250000 Drilled CHESAPEAKE EXPLORATION LLC WESTOVER 21-11-2 BH 40.7693745	40.7339102	-80.6809371
03/23/2012 COLUMBIANA HANOVER 34029217200000 Producing CHESAPEAKE EXPLORATION LLC HANOVER FARMS 34-15-46H 40.7321946 -80.9043666 07/12/2012 COLUMBIANA FAIRFIELD 34029217210100 Producing CHESAPEAKE EXPLORATION LLC MELLINGER 7-12-2 8H 40.8728208 -80.7406757 03/12/2012 COLUMBIANA WEST 34029217230000 Producing CHESAPEAKE EXPLORATION LLC HENDERSON 25-16-5 8H 40.7537257 -80.9923546 03/19/2012 COLUMBIANA MADISON 34029217240100 Producing CHESAPEAKE EXPLORATION LLC KERNICH 3-10-2 1H 40.723852 -80.7055535 06/05/2012 COLUMBIANA ELK RUN 34029217250000 Producing CHESAPEAKE EXPLORATION LLC MORRIS 28-11-2 3H 40.7505735 -80.7055535 06/05/2012 COLUMBIANA ELK RUN 34029217250000 Drilled CHESAPEAKE EXPLORATION LLC WESTOVER 21-11-2 8H 40.7683645 -80.6933308 03/30/2012 COLUMBIANA MIDDLETON 34029217270100 Drilled CHESAPEAKE EXPLORATION LLC CARNEY 17-7-1 3H 40.7795677 <t< td=""><td>40.8331194</td><td>-80.6253424</td></t<>	40.8331194	-80.6253424
07/12/2012 COLUMBIANA FAIRFIELD 34029217210100 Producing CHESAPEAKE EXPLORATION LLC MELLINGER 7-12-2 8H 40.8728208 -80.7406757 03/12/2012 COLUMBIANA WEST 34029217230000 Producing CHESAPEAKE EXPLORATION LLC HENDERSON 25-16-5 8H 40.7537257 -80.9923546 03/19/2012 COLUMBIANA MADISON 34029217240100 Producing CHESAPEAKE EXPLORATION LLC KERNICH 3-10-2 1H 40.7253752 -80.7055535 06/05/2012 COLUMBIANA ELK RUN 34029217250000 Producing CHESAPEAKE EXPLORATION LLC MORRIS 28-11-2 3H 40.7505735 -80.7055535 06/05/2012 COLUMBIANA ELK RUN 34029217250000 Drilled CHESAPEAKE EXPLORATION LLC WESTOVER 21-11-2 8H 40.7683645 -80.6933308 03/30/2012 COLUMBIANA MIDDLETON 34029217270100 Drilled CHESAPEAKE EXPLORATION LLC CARNEY 17-7-1 3H 40.7795677 -80.6086035	40.7635365	-80.8783854
03/12/2012 COLUMBIANA WEST 34029217230000 Producing CHESAPEAKE EXPLORATION LLC HENDERSON 25-16-5 8H 40.7537257 -80.9923546 03/19/2012 COLUMBIANA MADISON 34029217240100 Producing CHESAPEAKE EXPLORATION LLC KERNICH 3-10-2 1H 40.7223852 -80.6730402 06/05/2012 COLUMBIANA ELK RUN 34029217250000 Producing CHESAPEAKE EXPLORATION LLC MORRIS 28-11-2 3H 40.7505735 -80.7935735 06/05/2012 COLUMBIANA ELK RUN 34029217250000 Drilled CHESAPEAKE EXPLORATION LLC WESTOVER 21-11-2 8H 40.7683645 -80.6933308 03/30/2012 COLUMBIANA MIDDLETON 34029217270100 Drilled CHESAPEAKE EXPLORATION LLC CARNEY 17-7-1 3H 40.7795677 -80.6086035	40.7163679	-80.8971127
03/19/2012 COLUMBIANA MADISON 34029217240100 Producing CHESAPEAKE EXPLORATION LLC KERNICH 3-10-2 1H 40.7223852 -80.6730402 06/05/2012 COLUMBIANA ELK RUN 34029217250000 Producing CHESAPEAKE EXPLORATION LLC MORRIS 28-11-2 3H 40.7505735 -80.7055553 06/05/2012 COLUMBIANA ELK RUN 34029217260000 Drilled CHESAPEAKE EXPLORATION LLC WESTOVER 21-11-2 8H 40.7683645 -80.6933308 03/30/2012 COLUMBIANA MIDDLETON 34029217270100 Drilled CHESAPEAKE EXPLORATION LLC CARNEY 17-7-1 3H 40.7795677 -80.6086035	40.8679948	-80.7355132
06/05/2012 COLUMBIANA ELK RUN 34029217250000 Producing CHESAPEAKE EXPLORATION LLC MORRIS 28-11-2 3H 40.7505735 -80.7055553 06/05/2012 COLUMBIANA ELK RUN 34029217260000 Drilled CHESAPEAKE EXPLORATION LLC WESTOVER 21-11-2 8H 40.7683645 -80.693308 03/30/2012 COLUMBIANA MIDDLETON 34029217270100 Drilled CHESAPEAKE EXPLORATION LLC CARNEY 17-7-1 3H 40.7795677 -80.6086035	40.7418800	-80.9836439
06/05/2012 COLUMBIANA ELK RUN 34029217260000 Drilled CHESAPEAKE EXPLORATION LLC WESTOVER 21-11-2 8H 40.7683645 -80.6933308 03/30/2012 COLUMBIANA MIDDLETON 34029217270100 Drilled CHESAPEAKE EXPLORATION LLC CARNEY 17-7-1 3H 40.7795677 -80.6086035	40.7354018	-80.6868803
03/30/2012 COLUMBIANA MIDDLETON 34029217270100 Drilled CHESAPEAKE EXPLORATION LLC CARNEY 17-7-1 3H 40.7795677 -80.6086035	40.7632888	-80.7154691
	40.7566955	-80.6849442
	40.7924375	-80.6178777
04/02/2012 COLUMBIANA HANOVER 34029217280000 Producing CHESAPEAKE EXPLORATION LLC TREBUCCOK SOUTH 25-15-4 8H 40.7504231 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625 80.8645625	40.7361679	-80.8541228
04/17/2012 COLUMBIANA HANOVER 34029217290100 Permitted CHESAPEAKE EXPLORATION LLC ALTERNIOF 10-15-4 8H 40.7923691 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.9098171 80.	40.7780945	-80.8992532
D6/06/2012 COLUMBIANA	40.8024715	-80.7374529
D4/26/2012 COLUMBIANA HANOVER 34029217310000 Permitted CHESAPEAKE EXPLORATION LLC TREBILCOCK SOUTH 25-15-4 6H 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.8645648 40.7507481 80.7507481 80.7507481 80.7507481 80.750748 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481 80.7507481	40.7346843	-80.8574943
05/02/2012 COLUMBIANA HANOVER 34029217320000 Permitted CHESAPEAKE EXPLORATION LLC ALTERNOF 10-15-4-6H 40.7924239 -80.9983158	40.7766994	-80.9025695
D5/09/2012 COLUMBIANA KNOX 34029217330000 Permitted CHESAPEAKE EXPLORATION LLC CONNY FARMS 13-17-5 8H 40.8710672 80.9883190	40.8590134	-80.9794356
05/14/2012 COLUMBIANA HANOVER 34029217340000 Producing CHESAPEAKE EXPLORATION LLC JAN PAUL FARMS 17-15-4 8H 40.7797001 -80.9402727 05/24/2012 COLUMBIANA CENTER 34029217350000 Producing CHESAPEAKE EXPLORATION LLC CROSSER 20-14-3 5H 40.7643132 -80.8390430	40.7652894	-80.9297798
	40.7771344	-80.8449441 -80.9264646
	40.8365012 40.8203423	-80.7995180 -80.6458296
	40.8203423	-80.9330985
	40.7638934	-80.5801663
06/20/2012 COLUMBIANA UNITY 34029217400000 Permitted SWEPI LP DALTON 101-6HD 40.8567600 40.8567600 -80.5810583 08/29/2012 COLUMBIANA KNOX 34029217410000 Permitted CHESAPEAKE EXPLORATION LLC KIBLER 16-17-5 8H 40.8618726 -81.0394001	40.8550977	-80.5801663 -81.0289635
U8/29/2012 COLUMBIANA KNOX 34029217410000 Permitted CHESAPEARE EXPLORATION LC INBEST 16-17-58H 40.85187-68 40.85187-68 07/02/2012 COLUMBIANA BUTLER 34029217420100 Permitted SIERRA RESOURCES LLC KIKO UNIT 19-16-4 1H 40.8537683 -80.9585179	40.8474475	-81.0289635
		-80.8204600
07/17/2012 COLUMBIANA CENTER 34029217430000 Producing CHESAPEAKE EXPLORATION LLC ANDRULIS 29-14-3 8H 40.7473667 -80.8309773 08/09/2012 COLUMBIANA HANOVER 34029217440000 Permitted CHESAPEAKE EXPLORATION LLC HAYS TRUST 17-15-4 1H 40.7735222 -80.9503377	140 7220550	-80.8204600
06/09/2012 COLUMBIANA PARIOVER 340/2917/440000 Perfitted CRESAPEARE EXPLORATION LLC FIRST 17-13-4 LF 40.775322 80.950357/79 10/15/2012 COLUMBIANA SALEM 340/2917/47000 Drilled CHESAPEARE EXPLORATION LLC WEAVER 3-15-3 3H 40.8553460 -80.7753091	40.7330550	-80.7818664
	40.7840804	
		-80.8373219

10/04/2012	COLUMBIANA	FAIRFIELD	34029217490000	Drilled	CHESAPEAKE EXPLORATION LLC	LEHMAN 24-12-2 8H	40.8482505	-80.6451567	40.8334623	-80.6345969
09/27/2012	COLUMBIANA	SALEM	34029217490000	Producing	CHESAPEAKE EXPLORATION LLC	ROY D 31-15-3 8H	40.8259490	-80.8490588	40.8139450	-80.8402197
10/01/2012	COLUMBIANA	FLK RUN	34029217500000	Drilled	CHESAPEAKE EXPLORATION LLC	CHAMBERLAIN 2-11-2 5H	40.8259490	-80.6522532	40.8190946	-80.6583683
10/01/2012	COLUMBIANA	SALEM	34029217510000	Permitted	CHESAPEAKE EXPLORATION LLC	MUELLER 29-15-3 5H	40.8326669	-80.8278123	40.8190946	-80.8349717
10/15/2012	COLUMBIANA	FRANKLIN	34029217520000	Producing	CHESAPEAKE EXPLORATION LLC	MILLTREE 1-14-4 3H	40.7170344	-80.8659664	40.7317948	-80.8768696
12/18/2012	COLUMBIANA	FRANKLIN	34029217540000	Producing	CHESAPEAKE EXPLORATION LLC	MILLTREE 1-14-4 8H	40.7169658	-80.8659681	40.7022637	-80.8553784
10/15/2012	COLUMBIANA	MIDDLETON	34029217550000	Permitted	CHESAPEAKE EXPLORATION LLC	BENNER 3-7-1 5H	40.8033682	-80.5721087	40.8185202	-80.5776305
10/24/2012	COLUMBIANA	SALEM	34029217560000	Drilled	CHESAPEAKE EXPLORATION LLC	MUELLER 29-15-3 3H	40.8326930	-80.8279020	40.8473138	-80.8386097
11/15/2012	COLUMBIANA	FAIRFIELD	34029217570000	Drilled	CHESAPEAKE EXPLORATION LLC	HARTZ 18-12-2 1H	40.8607264	-80.7454700	40.8694381	-80.7565008
11/16/2012	COLUMBIANA	ELK RUN	34029217580000	Permitted	CHESAPEAKE EXPLORATION LLC	RALPH 29-11-2 3H	40.7450995	-80.7168501	40.7582426	-80.7262629
01/29/2013	COLUMBIANA	CENTER	34029217590000	Producing	CHESAPEAKE EXPLORATION LLC	TRITTEN 9-14-3 3H	40.7849046	-80.8202514	40.8002827	-80.8312378
01/08/2013	COLUMBIANA	SALEM	34029217630100	Producing	HILCORP ENERGY COMPANY	SALEM-GRUBBS 1H	40.8320150	-80.7684627	40.8196439	-80.7600951
08/23/2013	COLUMBIANA	FRANKLIN	34029217650000	Permitted	CHESAPEAKE EXPLORATION LLC	HRUBY 11-14-4 8H	40.7141923	-80.8944737	40.7010175	-80.8845337
02/25/2013	COLUMBIANA	CENTER	34029217660000	Producing	CHESAPEAKE EXPLORATION LLC	DYE 19-14-3 10H	40.7613671	-80.8577071	40.7469118	-80.8448572
01/28/2013	COLUMBIANA	FRANKLIN	34029217670000	Drilled	CHESAPEAKE EXPLORATION LLC	BRICELAND TRUST 24-14-4 8H	40.6840966	-80.8759153	40.6692117	-80.8645761
04/24/2013	COLUMBIANA	FRANKLIN	34029217730000	Producing	CHESAPEAKE EXPLORATION LLC	HRUBY FARMS 10-14-4 8H	40.7077492	-80.9023497	40.6917325	-80.8909631
08/01/2013	COLUMBIANA	FRANKLIN	34029217740000	Drilled	CHESAPEAKE EXPLORATION LLC	LEONA 23-14-4 8H	40.6727412	-80.8840317	40.6575972	-80.8685174
10/22/2013	COLUMBIANA	FRANKLIN	34029217750000	Permitted	CHESAPEAKE EXPLORATION LLC	LEONA 23-14-4 6H	40.6727150	-80.8841225	40.6566356	-80.8707832
10/22/2013	COLUMBIANA	FRANKLIN	34029217790000	Permitted	CHESAPEAKE EXPLORATION LLC	LEONA 23-14-4 10H	40.6727960	-80.8840304	40.6585056	-80.8663754
01/02/2014	COLUMBIANA	FRANKLIN	34029217800000	Drilled	CHESAPEAKE EXPLORATION LLC	BRICELAND TRUST 24-14-4 5H	40.6842064	-80.8759127	40.7145047	-80.8938420
03/29/2013	COLUMBIANA	FRANKLIN	34029217890000	Drilled	CHESAPEAKE EXPLORATION LLC	MANZIEL 31-13-3 10H	40.6506025	-80.8436995	40.6383457	-80.8290746
03/12/2013	COLUMBIANA	CENTER	34029217930000	Producing	CHESAPEAKE EXPLORATION LLC	DYE 19-14-3 5H	40.7614170	-80.8577420	40.7768487	-80.8663844
06/28/2013	COLUMBIANA	FRANKLIN	34029217940000	Permitted	CHESAPEAKE EXPLORATION LLC	LAMP 18-13-3 8H	40.6945348	-80.8582101	40.6804608	-80.8478265
06/07/2013	COLUMBIANA	SALEM	34029217990000	Drilled	CHESAPEAKE EXPLORATION LLC	MANGUS 3-15-3 1H	40.8914196	-80.7959580	40.9046656	-80.8102421
08/16/2013	COLUMBIANA	HANOVER	34029218040100	Drilled	CHESAPEAKE EXPLORATION LLC	ALTENHOF 10-15-4 3H	40.7919894	-80.9101585	40.8075601	-80.9200276
09/16/2013	COLUMBIANA	HANOVER	34029218050000	Drilled	CHESAPEAKE EXPLORATION LLC	JUDY BROWN 27-15-4 3H	40.7489553	-80.9024075	40.7615356	-80.9125675
05/30/2013	COLUMBIANA	WASHINGTON	34029218070000	Drilled	CHESAPEAKE EXPLORATION LLC	SEVEK 18-12-3 8H	40.6285567	-80.7888341	40.6114152	-80.7771967
07/08/2013	COLUMBIANA	WAYNE	34029218120000	Permitted	CHESAPEAKE EXPLORATION LLC	MCKARNS 8-13-3 8H	40.7054427	-80.8405091	40.6909826	-80.8299352
05/20/2013	COLUMBIANA	FRANKLIN	34029218130000	Drilled	CHESAPEAKE EXPLORATION LLC	PITTS 22-14-4 3H	40.6852042	-80.9154025	40.6991039	-80.9249503
05/20/2013	COLUMBIANA	FRANKLIN	34029218140000	Drilled	CHESAPEAKE EXPLORATION LLC	PITTS 22-14-4 8H	40.6850658	-80.9153192	40.6709509	-80.9041797
12/17/2013	COLUMBIANA	FRANKLIN	34029218150000	Drilled	CHESAPEAKE EXPLORATION LLC	PITTS 22-14-4 6H	40.6850945	-80.9154087	40.6697882	-80.9076257
12/17/2013	COLUMBIANA	FRANKLIN	34029218160000	Drilled	CHESAPEAKE EXPLORATION LLC	PITTS 22-14-4 1H	40.6851493	-80.9154038	40.6992177	-80.9298424
05/13/2013	COLUMBIANA	HANOVER	34029218170000	Permitted	CHESAPEAKE EXPLORATION LLC	JUDY BROWN 27-15-4 8H	40.7488247	-80.9022988	40.7334685	-80.8923832
07/10/2013	COLUMBIANA	HANOVER	34029218180000	Drilled	CHESAPEAKE EXPLORATION LLC	FRANK ZEHENTBAUER 26-15-4 3H	40.7471182	-80.8876702	40.7644808	-80.9012608
07/02/2013	COLUMBIANA	FRANKLIN	34029218200000	Drilled	CHESAPEAKE EXPLORATION LLC	SUMMITCREST 35-14-4 8H	40.6549363	-80.8919554	40.6388177	-80.8831559
06/21/2013	COLUMBIANA	HANOVER	34029218220000	Producing	CHESAPEAKE EXPLORATION LLC	MOATS 31-15-4 1H	40.7394107	-80.9610924	40.7484372	-80.9736035
07/10/2013	COLUMBIANA	HANOVER	34029218230000	Drilled	CHESAPEAKE EXPLORATION LLC	JUDY BROWN 27-15-4 6H	40.7488452	-80.9023921	40.7319677	-80.8957794
07/23/2013	COLUMBIANA	HANOVER	34029218240000	Drilled	CHESAPEAKE EXPLORATION LLC	FRANK ZEHENTBAUER 26-15-4 10H	40.7471031	-80.8875731	40.7350647	-80.8753280
08/21/2013	COLUMBIANA	SALEM	34029218260000	Permitted	HILCORP ENERGY COMPANY	SALEM-GRUBBS 2H	40.8319741	-80.7684819	40.8215671	-80.7591013
08/21/2013	COLUMBIANA	SALEM	34029218270000	Permitted	HILCORP ENERGY COMPANY	SALEM-GRUBBS 3H	40.8319359	-80.7684973	40.8195772	-80.7627601
08/29/2013	COLUMBIANA	UNITY	34029218280100	Permitted	ATLAS NOBLE LLC	FIRESTONE HOMESTEAD PAD B 3H	40.8788329	-80.6263916	40.8915321	-80.6410059
08/29/2013	COLUMBIANA	UNITY	34029218290000	Drilled	ATLAS NOBLE LLC	FIRESTONE HOMESTEAD PAD B 5H	40.8788449	-80.6262863	40.8915289	-80.6342010
08/29/2013	COLUMBIANA	UNITY	34029218300000	Drilled	ATLAS NOBLE LLC	FIRESTONE HOMESTEAD PAD B 4H	40.8788402	-80.6263371	40.8915318	-80.6377681
10/16/2013	COLUMBIANA	HANOVER	34029218340000	Permitted	CHESAPEAKE EXPLORATION LLC	SOSENKO 14-15-4 5H	40.7783606	-80.8906048	40.7942162	-80.8965665
11/19/2013	COLUMBIANA	HANOVER	34029218350000	Permitted	CHESAPEAKE EXPLORATION LLC	SOSENKO 14-15-4 6H	40.7782654	-80.8906685	40.7647320	-80.8808114
11/19/2013	COLUMBIANA	HANOVER	34029218370000	Permitted	CHESAPEAKE EXPLORATION LLC	SOSENKO 14-15-4 8H	40.7782558	-80.8905712	40.7662725	-80.8771450
12/26/2013	COLUMBIANA	FRANKLIN	34029218380000	Drilled	CHESAPEAKE EXPLORATION LLC	PITTS 22-14-4 5H	40.6851755	-80.9153130	40.6993475	-80.9207099
12/26/2013	COLUMBIANA	FRANKLIN	34029218390000	Drilled	CHESAPEAKE EXPLORATION LLC	PITTS 22-14-4 10H	40.6851207	-80.9153179	40.6722732	-80.9007659
03/28/2014	COLUMBIANA	BUTLER	34029218440000	Drilled	CHESAPEAKE EXPLORATION LLC	HUFFMAN TRUST 36-16-4 1H	40.8216907	-80.8726905	40.8431417	-80.8942432
02/21/2014	COLUMBIANA	BUTLER	34029218450000	Permitted	CHESAPEAKE EXPLORATION LLC	HUFFMAN TRUST 36-16-4 8H	40.8216071	-80.8726022	40.8069958	-80.8627255
02/21/2014	COLUMBIANA	BUTLER	34029218460000	Drilled	CHESAPEAKE EXPLORATION LLC	HUFFMAN TRUST 36-16-4 10H	40.8216620	-80.8726008 -80.9406032	40.8084561	-80.8592498
05/09/2014	COLUMBIANA	HANOVER	34029218470000	Permitted	CHESAPEAKE EXPLORATION LLC	D & B KIBLER 29-15-4 1H	40.7453850		40.7719734	-80.9695229
10/26/2011	COSHOCTON COSHOCTON	LINTON	34031271760100 34031271890100	Permitted Permitted	ANADARKO E & P ONSHORE LLC	CSPC COSH LINTON B 2H	40.1915990	-81.7686309 -81.7686085	40.2034898	-81.7775793 -81.7813904
04/20/2012 05/22/2012	COSHOCTON	MILL CREEK	34031271890100	Producing	ANADARKO E & P ONSHORE LLC ANADARKO E & P ONSHORE LLC	CSPC COSH LINTON B-3H COSH MILL CREEK A-1H	40.1916812 40.3825193	-81.7686085 -81.8841846	40.2019603 40.3938471	-81.7813904 -81.8927427
05/22/2012	COSHOCTON	OXFORD	34031271900100	Drilled Producing		J HILL 1H	40.3825193	-81.8841846 -81.6995911	40.2253302	-81.892/42/ -81.6963047
103/04/2012			1240217/2020100		DEVON ENERGY PRODUCTION CO	JOHN LOWE 1H	40.2379695	-81.8760280	40.2253302	-81.8799002
		MILL CREEK	24021272070100	Darmittad						-01.0/33002
09/14/2012	COSHOCTON	MILL CREEK	34031272070100	Permitted	DEVON ENERGY PRODUCTION CO					-81 0710202
09/14/2012 06/13/2014	COSHOCTON GEAUGA	PARKMAN	34055221360100	Permitted	CHESAPEAKE EXPLORATION LLC	MAST GEA 6H	41.4087254	-81.0766450	41.3920191	-81.0710293
09/14/2012 06/13/2014 08/25/2011	COSHOCTON GEAUGA GUERNSEY	PARKMAN WHEELING	34055221360100 34059241830100	Permitted Producing	CHESAPEAKE EXPLORATION LLC ENERVEST OPERATING L	MAST GEA 6H RHDK INVESTMENTS 21-4-4 8H	41.4087254 40.1522973	-81.0766450 -81.6383364	41.3920191 40.1409228	-81.6355306
09/14/2012 06/13/2014 08/25/2011 07/22/2011	COSHOCTON GEAUGA GUERNSEY GUERNSEY	PARKMAN WHEELING LIBERTY	34055221360100 34059241830100 34059241840100	Permitted Producing Permitted	CHESAPEAKE EXPLORATION LLC ENERVEST OPERATING L CHESAPEAKE EXPLORATION LLC	MAST GEA 6H RHDK INVESTMENTS 21-4-4 8H RINGER 25-4-3 3H	41.4087254 40.1522973 40.1563166	-81.0766450 -81.6383364 -81.6180127	41.3920191 40.1409228 40.1718294	-81.6355306 -81.6294625
09/14/2012 06/13/2014 08/25/2011 07/22/2011 07/25/2011	COSHOCTON GEAUGA GUERNSEY GUERNSEY GUERNSEY	PARKMAN WHEELING LIBERTY WHEELING	34055221360100 34059241830100 34059241840100 34059241860100	Permitted Producing Permitted Permitted	CHESAPEAKE EXPLORATION LLC ENERVEST OPERATING L CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	MAST GEA 6H RHDK INVESTMENTS 21-4-4 8H RINGER 25-4-3 3H HAMBRIGHT 16-4-3 8H	41.4087254 40.1522973 40.1563166 40.1782102	-81.0766450 -81.6383364 -81.6180127 -81.6178269	41.3920191 40.1409228 40.1718294 40.1627018	-81.6355306 -81.6294625 -81.6063786
09/14/2012 06/13/2014 08/25/2011 07/22/2011 07/25/2011 09/07/2011	COSHOCTON GEAUGA GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY	PARKMAN WHEELING LIBERTY WHEELING SPENCER	34055221360100 34059241830100 34059241840100 34059241860100 34059241900100	Permitted Producing Permitted Permitted Producing	CHESAPEAKE EXPLORATION LLC ENERVEST OPERATING L CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC ANADARKO E & PONSHORE LLC	MAST GEA 6H RHDK INVESTMENTS 21-4-4 8H RINGER 25-4-3 3H HAMBRIGHT 16-4-3 8H FREC GUER SPENCER A-1H	41.4087254 40.1522973 40.1563166 40.1782102 39.8719753	-81.0766450 -81.6383364 -81.6180127 -81.6178269 -81.6840387	41.3920191 40.1409228 40.1718294 40.1627018 39.8851479	-81.6355306 -81.6294625 -81.6063786 -81.6892046
09/14/2012 06/13/2014 08/25/2011 07/22/2011 07/25/2011 09/07/2011 11/14/2011	COSHOCTON GEAUGA GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY	PARKMAN WHEELING LIBERTY WHEELING SPENCER SPENCER	34055221360100 34059241830100 34059241840100 34059241860100 34059241900100 34059242000000	Permitted Producing Permitted Permitted Producing Producing	CHESAPEAKE EXPLORATION LLC ENERVEST OPERATING L CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC ANADARKO E & P ONSHORE LLC ANADARKO E & P ONSHORE LLC	MAST GEA 6H RHDK INVESTMENTS 21-4-4 8H RINGER 25-4-3 3H HAMBRIGHT 16-4-3 8H FREC GUER SPENCER A-1H FREC GUER SPENCER A-5H	41.4087254 40.1522973 40.1563166 40.1782102 39.8719753 39.8720535	-81.0766450 -81.6383364 -81.6180127 -81.6178269 -81.6840387 -81.6842231	41.3920191 40.1409228 40.1718294 40.1627018 39.8851479 39.8851626	-81.6355306 -81.6294625 -81.6063786 -81.6892046 -81.6929319
09/14/2012 06/13/2014 08/25/2011 07/22/2011 07/25/2011 09/07/2011 11/14/2011 11/29/2013	COSHOCTON GEAUGA GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY	PARKMAN WHEELING LIBERTY WHEELING SPENCER SPENCER SPENCER SPENCER	34055221360100 34059241830100 34059241840100 34059241860100 34059241900100 34059242000000 34059242040000	Permitted Producing Permitted Permitted Producing Producing Producing Premitted	CHESAPEAKE EXPLORATION LLC ENERVEST OPERATING L CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC ANADARKO E & P ONSHORE LLC ANADARKO E & P ONSHORE LLC ANADARKO E & P ONSHORE LLC	MAST GEA 6H RHDK INVESTMENTS 21-4-4 8H RINGER 25-4-3 3H HAMBRIGHT 16-4-3 8H FREC GUER SPENCER A-1H FREC GUER SPENCER A-5H FREC GUER SPENCER A-3H	41.4087254 40.1522973 40.1563166 40.1782102 39.8719753 39.8720535 39.8720144	-81.0766450 -81.6383364 -81.6180127 -81.6178269 -81.6840387 -81.6842231 -81.6842231	41.3920191 40.1409228 40.1718294 40.1627018 39.8851479 39.8851626 39.886347	-81.6355306 -81.6294625 -81.6063786 -81.6892046 -81.6929319 -81.6868511
09/14/2012 06/13/2014 08/25/2011 07/22/2011 07/25/2011 09/07/2011 11/14/2011 11/29/2013 04/20/2012	COSHOCTON GEAUGA GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY	PARKMAN WHEELING LIBERTY WHEELING SPENCER SPENCER SPENCER SPENCER MADISON	34055221360100 34059241830100 34059241840100 34059241860100 34059241900100 34059242000000 34059242000000 34059242000000	Permitted Producing Permitted Permitted Producing Producing Producing Permitted Producing	CHESAPEAKE EXPLORATION LLC ENERVEST OPERATING L CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC ANADARKO E & P ONSHORE LLC ANADARKO E & P ONSHORE LLC ANADARKO E & P ONSHORE LLC GULFPORT ENERGY CORPORATION	MAST GEA 6H RHDK INVESTMENTS 21-4-4 8H RINGER 25-4-3 3H HAMBRIGHT 16-4-3 8H FREC GUER SPENCER A-1H FREC GUER SPENCER A-5H FREC GUER SPENCER A-3H GROH 1-12H	41.4087254 40.1522973 40.1563166 40.1782102 39.8719753 39.8720535 39.8720144 40.1107845	-81.0766450 -81.6383364 -81.6180127 -81.6178269 -81.6840387 -81.6842231 -81.6841273 -81.3707194	41.3920191 40.1409228 40.1718294 40.1627018 39.8851479 39.8851626 39.8886347 40.0978180	-81.6355306 -81.6294625 -81.6063786 -81.6892046 -81.6892049 -81.6868511 -81.3612612
09/14/2012 06/13/2014 08/25/2011 07/22/2011 07/25/2011 09/07/2011 11/14/2011 11/29/2013 04/20/2012 05/25/2012	COSHOCTON GEAUGA GUERNSEY	PARKMAN WHEELING LIBERTY WHEELING SPENCER SPENCER SPENCER MADISON WILLS	34055221360100 34059241830100 34059241840100 34059241860100 34059241900100 34059242000000 34059242040000 34059242040000 34059242110100	Permitted Producing Permitted Producing Producing Producing Producing Producing Producing Producing	CHESAPEAKE EXPLORATION LLC ENERVEST OPERATING L CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC ANADARKO E & P ONSHORE LLC ANADARKO E & P ONSHORE LLC ANADARKO E & P ONSHORE LLC GULEPORT ENERGY CORPORATION PDC ENERGY INC	MAST GEA 6H RHDK INVESTMENTS 21-4-4 8H RINGER 25-4-3 3H HAMBRIGHT 16-4-3 8H FREC GUER SPENCER A-1H FREC GUER SPENCER A-5H FREC GUER SPENCER A-3H GROH 1-12H ONEGA COMMISSIONERS 14-25H	41.4087254 40.1522973 40.1563166 40.1782102 39.8719753 39.8720535 39.8720144 40.1107845 39.9981889	-81.0766450 -81.6383364 -81.6180127 -81.6178269 -81.6840387 -81.6842231 -81.6841273 -81.3707194 -81.4369753	41.3920191 40.1409228 40.1718294 40.1627018 39.8851479 39.8851626 39.8886347 40.0978180 40.0105879	-81.6355306 -81.6294625 -81.6063786 -81.6892046 -81.6929319 -81.6868511 -81.3612612 -81.4367855
09/14/2012 06/13/2014 08/25/2011 07/22/2011 07/25/2011 09/07/2011 11/14/2011 11/29/2013 04/20/2012	COSHOCTON GEAUGA GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY	PARKMAN WHEELING LIBERTY WHEELING SPENCER SPENCER SPENCER SPENCER MADISON	34055221360100 34059241830100 34059241840100 34059241860100 34059241900100 34059242000000 34059242000000 34059242000000	Permitted Producing Permitted Permitted Producing Producing Producing Permitted Producing	CHESAPEAKE EXPLORATION LLC ENERVEST OPERATING L CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC ANADARKO E & P ONSHORE LLC ANADARKO E & P ONSHORE LLC ANADARKO E & P ONSHORE LLC GULFPORT ENERGY CORPORATION	MAST GEA 6H RHDK INVESTMENTS 21-4-4 8H RINGER 25-4-3 3H HAMBRIGHT 16-4-3 8H FREC GUER SPENCER A-1H FREC GUER SPENCER A-5H FREC GUER SPENCER A-3H GROH 1-12H	41.4087254 40.1522973 40.1563166 40.1782102 39.8719753 39.8720535 39.8720144 40.1107845	-81.0766450 -81.6383364 -81.6180127 -81.6178269 -81.6840387 -81.6842231 -81.6841273 -81.3707194	41.3920191 40.1409228 40.1718294 40.1627018 39.8851479 39.8851626 39.8886347 40.0978180	-81.6355306 -81.6294625 -81.6063786 -81.6892046 -81.6892019 -81.6868511 -81.3612612

06/22/2012	IGUERNSEY	CENTER	34059242190100	Dradusing	DEVON ENERGY PRODUCTION CO	THE CHUMNEY FAMILY TRUST 1H	40.0118937	-81.4649445	39.9991180	-81.4650743
07/19/2013	GUERNSEY	LONDONDERRY	34059242190100	Producing Drilling	DEVON ENERGY PRODUCTION CO GULFPORT ENERGY CORPORATION	RIPLEY 1-26H	40.1445584	-81.3053211	40.1317030	-81.4650743
01/07/2013	GUERNSEY	OXFORD	34059242210000	Producing	HESS OHIO DEVELOPMENTS LLC	CNXGUE 10N7W 1H-8	40.0578718	-81.2669438	40.0712322	-81.2747033
07/18/2013	GUERNSEY	LONDONDERRY	34059242230000	Drilling	GULFPORT ENERGY CORPORATION	MILLER 1-25H	40.1284858	-81.3110948	40.1419784	-81.3244520
08/20/2012	GUERNSEY	LONDONDERRY	34059242230100	Permitted	GULFPORT ENERGY CORPORATION	MILLER 1-25H	40.1284858	-81.3112021	40.1438513	-81.3217661
07/19/2012	GUERNSEY	WILLS	34059242240000	Producing	PDC ENERGY INC	DETWEILER 42-3H	39.9888299	-81.3866320	40.0014891	-81.3869466
07/26/2012	GUERNSEY	RICHLAND	34059242250100	Permitted	CARRIZO (UTICA) LLC	DUCH 1-H	39.9413178	-81.4200874	39.9486461	-81.4261585
08/01/2012	GUERNSEY	RICHLAND	34059242280100	Permitted	CARRIZO (UTICA) LLC	POTTS NE 1-H	39.9678695	-81.4059633	39.9534955	-81.3955131
08/06/2012	GUERNSEY	LIBERTY	34059242290000	Permitted	ENERVEST OPERATING L	RINGER 25-4-3 8H	40.1562619	-81.6180492	40.1407774	-81.6065146
09/13/2012	GUERNSEY	SPENCER	34059242300100	Producing	EQT PRODUCTION COMPANY	SPENCER 580004	39.9014023	-81.6529686	39.9127825	-81.6629937
08/29/2012	GUERNSEY	WHEELING	34059242320000	Permitted	ENERVEST OPERATING L	RHDK INVESTMENTS 21-4-4 6H	40.1522449	-81.6383120	40.1375113	-81.6307770
08/29/2012	GUERNSEY	LIBERTY	34059242330000	Permitted	ENERVEST OPERATING L	RINGER 25-4-3 6H	40.1562614	-81.6179776	40.1421938	-81.6032451
01/07/2013	GUERNSEY	OXFORD	34059242340000	Producing	HESS OHIO DEVELOPMENTS LLC	CNXGUE 10N7W 2H-8	40.0578957	-81.2668683	40.0733861	-81.2716922
01/07/2013	GUERNSEY	OXFORD	34059242350000	Producing	HESS OHIO DEVELOPMENTS LLC	CNXGUE 10N7W 3H-8	40.0578451	-81.2670157	40.0674804	-81.2769134
09/14/2012	GUERNSEY	CENTER	34059242360000	Permitted	DEVON ENERGY PRODUCTION CO	CHUMNEY FAMILY TRUST 2H	40.0118923	-81.4647839	39.9993231	-81.4612447
01/18/2013	GUERNSEY	VALLEY	34059242380100	Producing	EQT PRODUCTION COMPANY	CLARK 580008	39.9162287	-81.6105125	39.9347864	-81.6216759
12/18/2012	GUERNSEY	RICHLAND	34059242420000	Producing	PDC ENERGY INC	STIERS 1-H	39.9510409	-81.4346788	39.9645384	-81.4323883
02/28/2013	GUERNSEY	RICHLAND	34059242430000	Producing	PDC ENERGY INC	STIERS 3-H	39.9511209	-81.4347168	39.9635162	-81.4250653
02/28/2013	GUERNSEY	RICHLAND	34059242440000	Producing	PDC ENERGY INC	STIERS 2-H	39.9510822	-81.4346960	39.9644562	-81.4284865
01/24/2013	GUERNSEY	OXFORD	34059242500000	Producing	HESS OHIO DEVELOPMENTS LLC	CNXGUE 10N7W 4H-8	40.0579224	-81.2667964	40.0742496	-81.2678998
02/11/2013	GUERNSEY	MILLWOOD	34059242520100	Producing	R E GAS DEVELOPMENT LLC	J ANDERSON 1H	39.9747816	-81.2694962	39.9830475	-81.2788997
02/11/2013	GUERNSEY	MILLWOOD	34059242530000	Producing	R E GAS DEVELOPMENT LLC	J ANDERSON 5H	39.9748178	-81.2692850	39.9922901	-81.2735190
02/11/2013	GUERNSEY	MILLWOOD	34059242540000	Producing	R E GAS DEVELOPMENT LLC	J ANDERSON 3H	39.9747997	-81.2693924	39.9874015	-81.2759787
02/11/2013	GUERNSEY	MILLWOOD	34059242550000	Producing	R E GAS DEVELOPMENT LLC	J ANDERSON 2H	39.9750391	-81.2694381	39.9861057	-81.2780929
02/11/2013	GUERNSEY	MILLWOOD	34059242560000	Producing	R E GAS DEVELOPMENT LLC	J ANDERSON 4H	39.9748101	-81.2693387	39.9887069	-81.2739999
02/27/2013	GUERNSEY	VALLEY	34059242640000	Producing	EQT PRODUCTION COMPANY	CLARK 580007	39.9162698	-81.6105120	39.9325453	-81.6241291
04/15/2013	GUERNSEY	RICHLAND	34059242730100	Producing	CARRIZO (UTICA) LLC	RECTOR 1-H	39.9559413	-81.3972293	39.9373313	-81.3837158
06/03/2013	GUERNSEY	SPENCER	34059242740100	Drilled	EQT PRODUCTION COMPANY	NCD3 580011	39.9221582	-81.6257859	39.9347877	-81.6347813
10/16/2013	GUERNSEY	SPENCER	34059242760100	Drilled	EQT PRODUCTION COMPANY	NCD3 580010	39.9221586	-81.6258394	39.9352059	-81.6393871
11/29/2013	GUERNSEY	SPENCER	34059242800100	Drilled	EQT PRODUCTION COMPANY	DOBECK 580015	39.9156681	-81.6328017	39.9351425	-81.6438455
09/24/2013	GUERNSEY	SPENCER	34059242850100	Drilling	EQT PRODUCTION COMPANY	DOBECK 580014	39.9157093	-81.6328012	39.9369210	-81.6494510
07/18/2013	GUERNSEY	LONDONDERRY	34059242890000	Permitted	GULFPORT ENERGY CORPORATION	MILLER 4-25H	40.1286093	-81.3110891	40.1482332	-81.3190766
07/18/2013	GUERNSEY	LONDONDERRY	34059242900000	Drilling	GULFPORT ENERGY CORPORATION	MILLER 3-25H	40.1285681	-81.3110934	40.1482332	-81.3190766
06/27/2013	GUERNSEY	WILLS	34059242920000	Producing	PDC ENERGY INC	DETWEILER 3H	39.9886615	-81.3865276	40.0018844	-81.3921662
06/13/2013	GUERNSEY	WILLS	34059242930100	Producing	PDC ENERGY INC	DETWEILER 2H	39.9887824	-81.3865435	40.0017830	-81.3895691
08/07/2013	GUERNSEY	OXFORD	34059242960000	Drilled	CHESAPEAKE EXPLORATION LLC	YOCKEY 18-9-7 3H	40.0310410	-81.2790054	40.0447449	-81.2889835
08/21/2013	GUERNSEY	OXFORD	34059242970000	Producing	CHESAPEAKE EXPLORATION LLC	YOCKEY 18-9-7 7H	40.0311140	-81.2788970	40.0477843	-81.2821114
07/19/2013	GUERNSEY	LONDONDERRY	34059243000000	Permitted	GULFPORT ENERGY CORPORATION	RIPLEY 5-26H	40.1446508	-81.3054984	40.1280790	-81.3007702
07/19/2013	GUERNSEY	LONDONDERRY	34059243010000	Drilling	GULFPORT ENERGY CORPORATION	RIPLEY 4-26H	40.1446284	-81.3054523	40.1282615	-81.3008993
07/19/2013	GUERNSEY	LONDONDERRY	34059243020000	Drilling	GULFPORT ENERGY CORPORATION	RIPLEY 3-26H	40.1446060	-81.3054098	40.1292871	-81.2978275
07/19/2013	GUERNSEY	LONDONDERRY	34059243030000	Drilling	GULFPORT ENERGY CORPORATION	RIPLEY 2-26H	40.1445808	-81.3053637	40.1304951	-81.2948847
08/06/2013	GUERNSEY	WILLS	34059243040000	Producing	PDC ENERGY INC	COMMISSIONERS 3H	39.9981360	-81.4368940	40.0100977	-81.4332908
08/06/2013	GUERNSEY	WILLS	34059243050000	Producing	PDC ENERGY INC	COMMISSIONERS 2H	39.9981067	-81.4369980	40.0104510	-81.4347062
09/06/2013	GUERNSEY	MILLWOOD	34059243060000	Permitted	CHESAPEAKE EXPLORATION LLC	HD MCCLAIN 28-9-7 5H	40.0110415	-81.3136199	40.0204442	-81.3209505
11/19/2013	GUERNSEY	MILLWOOD	34059243080000	Drilled	CHESAPEAKE EXPLORATION LLC	HD MCCLAIN 28-9-7 7H	40.0110271	-81.3135524	40.0257197	-81.3200217
10/21/2013	GUERNSEY	SPENCER	34059243100100	Drilling	EQT PRODUCTION COMPANY	NCD3 580035	39.9221547	-81.6256790	39.9083535	-81.6197818
06/16/2014	GUERNSEY	WASHINGTON	34059243130100	Permitted	CARRIZO (UTICA) LLC	BROWN 1-H	40.1823463	-81.4135378	40.1651811	-81.4011586
04/17/2014	GUERNSEY	WILLS	34059243140000	Drilled	AMERICAN ENERGY UTICA LLC	SHUGERT DADDY E WLS GR 5H	40.0051149	-81.4114523	40.0292072	-81.4217805
09/27/2013	GUERNSEY	OXFORD	34059243160000	Producing	GULFPORT ENERGY CORPORATION	KAREN 23-9-7 4H	40.0253908	-81.2898639	40.0060675	-81.2820398
09/27/2013	GUERNSEY GUERNSEY	OXFORD OXFORD	34059243170000	Producing	GULFPORT ENERGY CORPORATION	KAREN 23-9-7 3H	40.0253549	-81.2898360 -81.2898080	40.0089782 40.0117783	-81.2813033 -81.2804866
09/27/2013	GUERNSEY	OXFORD	34059243180000 34059243190000	Producing Producing	GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	KAREN 23-9-7 2H KAREN 23-9-7 1H	40.0253189 40.0252829	-81.2898080	40.0117783	-81.2804866
09/27/2013										
11/26/2013 03/19/2014	GUERNSEY GUERNSEY	RICHLAND MILLWOOD	34059243200100 34059243250100	Permitted Permitted	CARRIZO (UTICA) LLC ECLIPSE RESOURCES I LP	MOHOROVICH 1-H HAYES UNIT 8H	39.9550580 39.9973267	-81.3778982 -81.3320763	39.9750582 39.9831506	-81.3908848 -81.3160234
03/19/2014	GUERNSEY	MILLWOOD	34059243250100	Permitted	ECLIPSE RESOURCES I LP	HAYES UNIT 6H	39.9973267	-81.3320763	39.9831506	-81.3160234
03/19/2014	GUERNSEY	MILLWOOD	34059243260100			HAYES UNIT 2H		-81.3320735	39.9821492	-81.3182780 -81.3227942
03/19/2014	GUERNSEY	MILLWOOD	34059243270100	Permitted Permitted	ECLIPSE RESOURCES I LP ECLIPSE RESOURCES I LP	HAYES UNIT 2H HAYES UNIT 4H	39.9974914 39.9974365	-81.3320735	39.9801465	-81.3227942 -81.3205362
03/17/2014	GUERNSEY	MILLWOOD	34059243280100	Permitted	ECLIPSE RESOURCES I LP	PORA UNIT 6H	39.9815696	-81.3187839	39.9625852	-81.3036373
03/17/2014	GUERNSEY	MILLWOOD	34059243310100	Permitted	ECLIPSE RESOURCES I LP	PORA UNIT 4H	39.9815147	-81.3187849	39.9616395	-81.3059368
103/11/2014	GUERNSEY	WILLS	34059243340000	Drilled	AMERICAN ENERGY UTICA LLC	SHUGERT DADDY WLS GR 1H	40.0050362	-81.4115535	40.0279302	-81.4280281
02/24/2014	GUERNSEY	WILLS	34059243350000	Drilled	AMERICAN ENERGY UTICA LLC	SHUGERT DADDY WLS GR 3H	40.0050742	-81.4115029	40.0278198	-81.4252694
02/24/2014		RICHLAND	34059243360000	Drilling	PDC ENERGY INC	DYNAMITE 1-H	39.9782166	-81.4115029	39.9651481	-81.42329948
03/19/2014			p4009243300000		PDC ENERGY INC PDC ENERGY INC	DYNAMITE 1-H DYNAMITE 3-H	39.9782156	-81.4204630	39.951481	-81.4239948 -81.4194866
03/19/2014 02/24/2014	GUERNSEY		34050343300000							
03/19/2014 02/24/2014 02/24/2014	GUERNSEY GUERNSEY	RICHLAND	34059243380000	Drilling						
03/19/2014 02/24/2014 02/24/2014 02/24/2014	GUERNSEY GUERNSEY GUERNSEY	RICHLAND RICHLAND	34059243390000	Drilling	PDC ENERGY INC	DYNAMITE 4-H	39.9782151	-81.4203024	39.9548762	-81.4169801
03/19/2014 02/24/2014 02/24/2014 02/24/2014 05/07/2014	GUERNSEY GUERNSEY GUERNSEY GUERNSEY	RICHLAND RICHLAND MADISON	34059243390000 34059243410000	Drilling Drilling	PDC ENERGY INC AMERICAN ENERGY UTICA LLC	DYNAMITE 4-H RED HILL FARM MDS GR SH	39.9782151 40.1275146	-81.4203024 -81.3458859	39.9548762 40.1496161	-81.4169801 -81.3590757
03/19/2014 02/24/2014 02/24/2014 02/24/2014 05/07/2014 03/17/2014	GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY GUERNSEY	RICHLAND RICHLAND MADISON MILLWOOD	34059243390000 34059243410000 34059243420000	Drilling Drilling Drilling	PDC ENERGY INC AMERICAN ENERGY UTICA LLC ECLIPSE RESOURCES I LP	DYNAMITE 4-H RED HILL FARM MDS GR 5H PORA UNIT 2H	39.9782151 40.1275146 39.9814597	-81.4203024 -81.3458859 -81.3187822	39.9548762 40.1496161 39.9603866	-81.4169801 -81.3590757 -81.3080026
03/19/2014 02/24/2014 02/24/2014 02/24/2014 05/07/2014	GUERNSEY GUERNSEY GUERNSEY GUERNSEY	RICHLAND RICHLAND MADISON	34059243390000 34059243410000	Drilling Drilling	PDC ENERGY INC AMERICAN ENERGY UTICA LLC	DYNAMITE 4-H RED HILL FARM MDS GR SH	39.9782151 40.1275146	-81.4203024 -81.3458859	39.9548762 40.1496161	-81.4169801 -81.3590757

05/23/2014	GUERNSEY	LONDONDERRY	24050242460000	Dormittad	AMEDICAN ENERGY LITICALLS	LAVE WEST IND CD 2H	10 1402002	-81.2975354	40 1224020	01 2075111
05/23/2014 07/16/2014	GUERNSEY	LONDONDERRY	34059243460000 34059243460100	Permitted Permitted	AMERICAN ENERGY UTICA LLC AMERICAN ENERGY UTICA LLC	LAKE WEST LND GR 2H LAKE WEST LND GR 2H	40.1483883 40.1483883	-81.2975354 -81.2975354	40.1324920 40.1324920	-81.2875111 -81.2875111
04/04/2014	GUERNSEY	MILLWOOD	34059243470100	Permitted	ECLIPSE RESOURCES I LP	FRITZ UNIT 7H	40.0084040	-81.3334250	40.0298637	-81.3416601
04/04/2014	GUERNSEY	MILLWOOD	34059243480100	Permitted	ECLIPSE RESOURCES I LP	FRITZ UNIT 5H	40.0084040	-81.3334509	40.0288593	-81.3439302
04/04/2014	GUERNSEY	MILLWOOD	34059243490100	Permitted	ECLIPSE RESOURCES I LP	FRITZ UNIT 3H	40.0083029	-81.3334767	40.0288393	-81.3462002
04/04/2014	GUERNSEY	MILLWOOD	34059243500100	Permitted	ECLIPSE RESOURCES I LP	FRITZ UNIT 1H	40.0082510	-81.3335061	40.0268503	-81.3484666
05/09/2014	GUERNSEY	MILLWOOD	34059243510000	Permitted	R E GAS DEVELOPMENT LLC	J HALL UNIT 12H	39.9916886	-81.2601595	40.0013090	-81.2628078
05/09/2014	GUERNSEY	MILLWOOD	34059243520000	Permitted	R E GAS DEVELOPMENT LLC	J HALL UNIT 10H	39.9916587	-81.2601957	40.0013599	-81.2650308
03/28/2014	GUERNSEY	MILLWOOD	34059243530000	Drilling	R E GAS DEVELOPMENT LLC	J HALL UNIT 8H	39.9916261	-81.2602284	40.0034424	-81.2698844
03/28/2014	GUERNSEY	MILLWOOD	34059243540000	Permitted	R E GAS DEVELOPMENT LLC	J HALL UNIT 6H	39.9915935	-81.2602611	40.0034934	-81.2723930
03/28/2014	GUERNSEY	MILLWOOD	34059243550000	Permitted	R E GAS DEVELOPMENT LLC	J HALL UNIT 4H	39.9915637	-81.2602974	40.0017762	-81.2735800
03/28/2014	GUERNSEY	MILLWOOD	34059243560000	Permitted	R E GAS DEVELOPMENT LLC	J HALL UNIT 2H	39.9915311	-81.2603301	40.0010717	-81.2755236
04/04/2014	GUERNSEY	OXFORD	34059243570100	Permitted	ECLIPSE RESOURCES I LP	ANDY YODER A 5H	40.0338387	-81.3152052	40.0506704	-81.3283421
04/04/2014	GUERNSEY	OXFORD	34059243580100	Permitted	ECLIPSE RESOURCES I LP	ANDY YODER A 3H	40.0338394	-81.3152766	40.0501262	-81.3310340
04/04/2014	GUERNSEY	OXFORD	34059243590100	Permitted	ECLIPSE RESOURCES I LP	ANDY YODER A 1H	40.0338401	-81.3153481	40.0496289	-81.3337572
04/21/2014	GUERNSEY	OXFORD	34059243620000	Permitted	ECLIPSE RESOURCES I LP	ANDY YODER D 4H	40.0338415	-81.3154909	40.0192219	-81.3002976
04/21/2014	GUERNSEY	OXFORD	34059243630000	Drilling	ECLIPSE RESOURCES I LP	ANDY YODER D 6H	40.0338408	-81.3154195	40.0202684	-81.2979300
04/21/2014	GUERNSEY	OXFORD	34059243640000	Permitted	ECLIPSE RESOURCES I LP	ANDY YODER D 2H	40.0338423	-81.3155623	40.0181726	-81.3026615
04/23/2014	GUERNSEY	MILLWOOD	34059243650000	Permitted	ECLIPSE RESOURCES I LP	FRANK MILLER UNIT 6H	39.9950145	-81.3386684	39.9786404	-81.3261955
04/23/2014	GUERNSEY	MILLWOOD	34059243660000	Permitted	ECLIPSE RESOURCES I LP	FRANK MILLER UNIT 2H	39.9949359	-81.3387697	39.9765837	-81.3308335
04/23/2014	GUERNSEY	MILLWOOD	34059243670000	Permitted	ECLIPSE RESOURCES I LP	FRANK MILLER UNIT 4H	39.9949766	-81.3387190	39.9776121	-81.3285145
05/07/2014	GUERNSEY	MADISON	34059243690000	Drilling	AMERICAN ENERGY UTICA LLC	RED HILL FARM MDS GR 1H	40.1275402	-81.3459749	40.1470387	-81.3653602
05/07/2014	GUERNSEY	MADISON	34059243700000	Drilling	AMERICAN ENERGY UTICA LLC	RED HILL FARM MDS GR 3H	40.1274711	-81.3459331	40.1483289	-81.3622198
05/23/2014	GUERNSEY	LONDONDERRY	34059243780000	Drilling	AMERICAN ENERGY UTICA LLC	LAKE EAST LND GR 6H	40.1482810	-81.2975087	40.1346366	-81.2825165
05/23/2014	GUERNSEY	LONDONDERRY	34059243790000	Drilling	AMERICAN ENERGY UTICA LLC	LAKE LND GR 4H	40.1483360	-81.2975220	40.1335643	-81.2850139
05/23/2014	GUERNSEY	OXFORD	34059243800000	Permitted	ECLIPSE RESOURCES I LP	BORTON A UNIT 2H	40.0531329	-81.2787274	40.0341504	-81.2683759
06/16/2014	GUERNSEY	OXFORD	34059243810100	Permitted	ECLIPSE RESOURCES I LP	BORTON C UNIT 8H	40.0532978	-81.2787531	40.0362823	-81.2588665
06/16/2014	GUERNSEY	OXFORD	34059243820100	Permitted	ECLIPSE RESOURCES I LP	BORTON C UNIT 6H	40.0532428	-81.2787433	40.0350041	-81.2618393
07/11/2014	GUERNSEY	OXFORD	34059243840100	Permitted	ECLIPSE RESOURCES I LP	WEEKENDER 4H	40.0539088	-81.2649708	40.0380432	-81.2524919
06/05/2014	GUERNSEY	LONDONDERRY	34059243860000	Drilling	CARRIZO (UTICA) LLC	WAGLER 2H	40.1660914	-81.3120345	40.1503095	-81.2945293
07/11/2014	GUERNSEY	OXFORD	34059243870100	Permitted	ECLIPSE RESOURCES I LP	WEEKENDER 8H	40.0540029	-81.2650477	40.0392951	-81.2470798
07/11/2014	GUERNSEY	OXFORD	34059243880100	Permitted	ECLIPSE RESOURCES I LP	WEEKENDER 2H	40.0538644	-81.2649323	40.0381073	-81.2556909
07/11/2014	GUERNSEY	OXFORD	34059243890100	Permitted	ECLIPSE RESOURCES I LP	WEEKENDER 6H	40.0539558	-81.2650092	40.0389195	-81.2499653
06/13/2014	GUERNSEY	WILLS	34059243900000	Drilling	PDC ENERGY INC	COLE 4H	40.0435476	-81.3811465	40.0614408	-81.3810616
06/13/2014	GUERNSEY	LONDONDERRY	34059243910000	Drilling	AMERICAN ENERGY UTICA LLC	LAWSON LND GR 2H	40.1278174	-81.2963903	40.1054630	-81.2844302
06/13/2014	GUERNSEY	LONDONDERRY	34059243920000	Drilling	AMERICAN ENERGY UTICA LLC	LAWSON LND GR 6H	40.1277101	-81.2963671	40.1080929	-81.2783278
06/19/2014	GUERNSEY	OXFORD	34059243930000	Permitted	ECLIPSE RESOURCES I LP	BORTON B UNIT 4H	40.0531879	-81.2787371	40.0333715	-81.2645362
06/23/2014	GUERNSEY	WILLS	34059243940000	Drilling	PDC ENERGY INC	COLE 3H	40.0435372	-81.3812003	40.0615008	-81.3836152
06/23/2014	GUERNSEY	WILLS	34059243950000	Drilling	PDC ENERGY INC	COLE 2H	40.0435294	-81.3812504	40.0613614	-81.3862862
06/23/2014	GUERNSEY	WILLS	34059243960000	Drilling	PDC ENERGY INC	COLE 1H	40.0435217	-81.3813041	40.0594911	-81.3888171
06/25/2014	GUERNSEY	RICHLAND	34059243970000	Drilling	CARRIZO (UTICA) LLC	RECTOR 3H	39.9558615	-81.3972056	39.9792941	-81.4099121
06/25/2014	GUERNSEY	RICHLAND	34059243980000	Drilling	CARRIZO (UTICA) LLC	RECTOR 4H	39.9558202	-81.3971956	39.9774250	-81.4126249
06/26/2014	GUERNSEY	RICHLAND	34059243990000	Drilling	CARRIZO (UTICA) LLC	RECTOR 11H	39.9560211	-81.3972495	39.9372433	-81.3796623
06/26/2014	GUERNSEY	RICHLAND	34059244000000	Drilling	CARRIZO (UTICA) LLC	RECTOR EAST 2H	39.9559000	-81.3972157	39.9802955	-81.4077767
06/26/2014	GUERNSEY	RICHLAND	34059244010000	Permitted	CARRIZO (UTICA) LLC	MOHOROVICH WEST 8H	39.9546317	-81.3778195	39.9790647	-81.4003273
06/26/2014	GUERNSEY	RICHLAND	34059244020000	Permitted	CARRIZO (UTICA) LLC	RECTOR EAST 14H	39.9546699	-81.3778010	39.9791360	-81.4032487
12/23/2010	HARRISON	ARCHER	34067210570100	Producing	CHESAPEAKE EXPLORATION LLC	NORTH AMERICAN COAL ROYALTY CO BUELL 8H	40.3504489	-81.0195690	40.3338128	-81.0074043
03/15/2012	HARRISON	ARCHER	34067210590000	Permitted	CHESAPEAKE EXPLORATION LLC	JEWETT SPORTSMEN CLUB 4-11-5 8H	40.3445909	-80.9896869	40.3310284	-80.9774820
02/28/2012	HARRISON	ATHENS	34067210620100	Producing	GULFPORT ENERGY CORPORATION	WAGNER 1-28H	40.1728136	-81.0778405	40.1534039	-81.0633813
02/08/2012	HARRISON	STOCK	34067210630100	Producing	CHESAPEAKE EXPLORATION LLC	STUART HENDERSON 11-12-6 3H	40.3619651	-81.1288478	40.3768514	-81.1381293
02/08/2012	HARRISON	STOCK	34067210640000	Producing	CHESAPEAKE EXPLORATION LLC	STUART HENDERSON 11-12-6 1H	40.3619247	-81.1289061	40.3752340	-81.1413102
04/27/2012	HARRISON	NOTTINGHAM	34067210650100	Producing	GULFPORT ENERGY CORPORATION	BOY SCOUT 1-33H	40.2583959	-81.2145879	40.2775534	-81.2284050
03/15/2012	HARRISON	ARCHER	34067210660000	Permitted	CHESAPEAKE EXPLORATION LLC	JEWETT SPORTSMAN CLUB 4-11-5 6H	40.3446137	-80.9897510	40.3294655	-80.9809146
03/15/2012	HARRISON	ARCHER	34067210670000	Permitted	CHESAPEAKE EXPLORATION LLC	BUELL 10-11-5 10H	40.3503391	-81.0195715	40.3334855	-81.0029634
03/19/2012	HARRISON	STOCK	34067210680000	Producing	CHESAPEAKE EXPLORATION LLC	HENDERSON SOUTH 10-12-6 5H	40.3515269	-81.1312977	40.3668111	-81.1396657
03/19/2012	HARRISON	STOCK	34067210690000	Producing	CHESAPEAKE EXPLORATION LLC	HENDERSON SOUTH 10-12-6 1H	40.3514862	-81.1313416	40.3644429	-81.1422764
04/02/2012	HARRISON	STOCK	34067210700000	Producing	CHESAPEAKE EXPLORATION LLC	RENSI 4-12-6 1H	40.3536986	-81.1081881	40.3666406	-81.1218144
06/06/2012	HARRISON	MOOREFIELD	34067210710100	Producing	GULFPORT ENERGY CORPORATION	RYSER 1-25H	40.2156665	-81.2007927	40.1957553	-81.1864383
06/07/2012	HARRISON	MOOREFIELD	34067210720100	Producing	GULFPORT ENERGY CORPORATION	BK STEPHENS 1-16H	40.1853640	-81.1677444	40.1727264	-81.1585238
05/25/2012	HARRISON	STOCK	34067210730000	Producing	CHESAPEAKE EXPLORATION LLC	ADDY 9-12-6 5H	40.3418775	-81.1430297	40.3574474	-81.1500872
06/04/2012	HARRISON	ATHENS	34067210740100	Producing	HESS OHIO DEVELOPMENTS LLC	CNXHAR9N5W 1H-24	40.1959518	-81.0613468	40.1819374	-81.0531372
06/04/2012	HARRISON	GREEN	34067210750000	Producing	HESS OHIO DEVELOPMENTS LLC	CNXHAR9N4W 1H-6	40.2787028	-80.8875862	40.2927508	-80.8957401
06/06/2012	HARRISON	STOCK	34067210760000	Producing	CHESAPEAKE EXPLORATION LLC	ADDY 9-12-6 3H	40.3419326	-81.1430394	40.3581946	-81.1547801
06/06/2012	HARRISON	STOCK	34067210770000	Permitted	CHESAPEAKE EXPLORATION LLC	STUART HENDERSON 11-12-6 5H	40.3619478	-81.1287800	40.3782024	-81.1349429
08/16/2012	HARRISON	FREEPORT	34067210780100	Producing	GULFPORT ENERGY CORPORATION	CLAY 1-4H	40.1733990	-81.2270388	40.1910917	-81.2398457
06/15/2012	HARRISON	RUMLEY	34067210790100	Producing	CHESAPEAKE EXPLORATION LLC	GOTSHALL 14-12-5 3H	40.4063101	-81.0348226	40.4205813	-81.0452055
07/12/2012	HARRISON	GERMAN	34067210800000	Drilled	CHESAPEAKE EXPLORATION LLC	DAWSON 8-11-4 5H	40.4082240	-80.8964664	40.4223279	-80.9023917
07/12/2012	HARRISON	GERMAN	34067210810000	Drilled	CHESAPEAKE EXPLORATION LLC	DAWSON 8-11-4 3H	40.4082140	-80.8965349	40.4191820	-80.9043816

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07/17/2012	HARRISON	CADIZ	34067210820100	Producing	HESS OHIO DEVELOPMENTS LLC	CNXHAR10N5W 1H-23	40.2811089	-81.0644805	40.2670494	-81.0563755
07/17/2012	HARRISON	SHORT CREEK	34067210830100	Permitted	HESS OHIO DEVELOPMENTS LLC	CNXHAR9N4W 1H-7	40.2159638	-80.9144312	40.2300125	-80.9225723
07/20/2012	HARRISON	RUMLEY	34067210850000	Producing	CHESAPEAKE EXPLORATION LLC	GOTSHALL 14-12-5 1H	40.4062528	-81.0348526	40.4180374	-81.0476531
07/25/2012	HARRISON	STOCK	34067210860000	Producing	CHESAPEAKE EXPLORATION LLC	RENSI SOUTH 4-12-6 6H	40.3536437	-81.1081892	40.3358332	-81.1026524
07/26/2012	HARRISON	RUMLEY	34067210870000	Producing	CHESAPEAKE EXPLORATION LLC	GOTSHALL 14-12-5 5H	40.4062710	-81.0347732	40.4223567	-81.0421279
11/23/2012	HARRISON	WASHINGTON	34067210880000	Producing	GULFPORT ENERGY CORPORATION	LYON 1-27H	40.2464907	-81.3024850	40.2299711	-81.2913990
07/31/2012 09/14/2012	HARRISON HARRISON	WASHINGTON WASHINGTON	34067210890100 34067210900000	Producing	CHEVRON APPALACHIA LLC CHEVRON APPALACHIA LLC	KINSEY 2-24HD KINSEY 1-24 HD	40.2884753 40.2885238	-81.2804898 -81.2803993	40.3017515 40.3010520	-81.2872136 -81.2826300
09/24/2012	HARRISON	NORTH		Producing			40.4025901			
02/10/2014	HARRISON	STOCK	34067210910100 34067210920000	Producing	ATLAS NOBLE LLC CHESAPEAKE EXPLORATION LLC	REESE/CRAMBLETT 1H DODSON 28-11-5 8H	40.4025901	-81.1286551 -81.0797142	40.4156533 40.3310734	-81.1455360 -81.0655796
08/20/2012	HARRISON	STOCK	34067210920000	Drilled Producing	CHESAPEAKE EXPLORATION LLC	ADDY 9-12-6 1H	40.3505471	-81.0797142 -81.1431046	40.3310734	-81.1579390
08/20/2012	HARRISON	MOOREFIELD	34067210930000	Producing	GULFPORT ENERGY CORPORATION	STOUT 1-28H	40.1857629	-81.2046377	40.1733870	-81.1904560
02/01/2013	HARRISON	NOTTINGHAM	34067210940000	Producing	GULFPORT ENERGY CORPORATION	BOY SCOUT 2-33H	40.2582459	-81.2146768	40.2776506	-81.2317005
09/21/2012	HARRISON	NOTTINGHAM	34067210960000	Producing	GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	BOY SCOUT 2-33H	40.2582459	-81.2146768	40.2438461	-81.2317003
12/07/2012	HARRISON	NORTH	34067210970000	Producing	ATLAS NOBLE LLC	REESE/CRAMBLETT 5H	40.4025935	-81.1289423	40.4162922	-81.1542865
09/24/2012	HARRISON	NORTH	34067210980000	Producing	ATLAS NOBLE LLC	REESE/CRAMBLETT 4H	40.4025936	-81.1288669	40.4162100	-81.1522050
03/12/2013	HARRISON	NORTH	34067211000000	Producing	ATLAS NOBLE LLC	REESE/CRAMBLETT 3H	40.4025890	-81.1287952	40.4149053	-81.1468154
09/24/2012	HARRISON	NORTH	3406721100000	Producing	ATLAS NOBLE LLC	REESE/CRAMBLETT 2H	40.4025909	-81.1287269	40.4145477	-81.1465174
10/01/2012	HARRISON	STOCK	34067211010000	Producing	CHESAPEAKE EXPLORATION LLC	RENSI 4-12-6 3H	40.3537251	-81.1081157	40.3684739	-81.1188155
10/01/2012	HARRISON	STOCK	34067211020000	Producing	CHESAPEAKE EXPLORATION LLC	RENSI 4-12-6 5H	40.3536702	-81.1081169	40.3698916	-81.1155201
02/01/2013	HARRISON	NOTTINGHAM	34067211030000	Permitted	GULFPORT ENERGY CORPORATION	BOY SCOUT 3-33H	40.2582182	-81.2146558	40.2428586	-81.2061604
01/03/2013	HARRISON	NOTTINGHAM	34067211040000	Permitted	GULFPORT ENERGY CORPORATION	BOY SCOUT 6-33H	40.2582077	-81.2146990	40.2775746	-81.2241610
02/01/2013	HARRISON	NOTTINGHAM	34067211050000	Producing	GULFPORT ENERGY CORPORATION	BOY SCOUT 4-33H	40.2583577	-81.2146101	40.2452360	-81.2025464
11/13/2012	HARRISON	WASHINGTON	34067211070000	Permitted	GULFPORT ENERGY CORPORATION	MWCD 1-11H	40.2771199	-81.2552577	40.2567465	-81.2404097
07/08/2013	HARRISON	RUMLEY	34067211070000	Drilled	CHESAPEAKE EXPLORATION LLC	LONG 21-12-5 8H	40.4177007	-81.0524805	40.4011568	-81.0399379
10/30/2012	HARRISON	STOCK	34067211090000	Drilled	CHESAPEAKE EXPLORATION LLC	DODSON 28-11-5 5H	40.3505980	-81.0798280	40.3667285	-81.0872762
10/30/2012	HARRISON	STOCK	34067211100000	Drilled	CHESAPEAKE EXPLORATION LLC	DODSON 28-11-5 3H	40.3505481	-81.0797968	40.3655652	-81.0906636
01/11/2013	HARRISON	STOCK	34067211110000	Producing	CHESAPEAKE EXPLORATION LLC	RENSI SOUTH 4-12-6 10H	40.3536153	-81.1081180	40.3424723	-81.0967050
01/11/2013	HARRISON	STOCK	34067211120000	Producing	CHESAPEAKE EXPLORATION LLC	RENSI SOUTH 4-12-6 8H	40.3535888	-81.1081903	40.3395763	-81.1007444
10/25/2012	HARRISON	MOOREFIELD	34067211130000	Producing	GULFPORT ENERGY CORPORATION	BK STEPHENS 2-16H	40.1853974	-81.1677759	40.1988154	-81.1780764
10/25/2012	HARRISON	ATHENS	34067211140000	Producing	HESS OHIO DEVELOPMENTS LLC	CNXHAR9N5W 2H-24	40.1961341	-81.0614288	40.1825397	-81.0493482
10/25/2012	HARRISON	MOOREFIELD	34067211150000	Producing	GULFPORT ENERGY CORPORATION	RYSER 2-25H	40.2157075	-81.2007812	40.2310621	-81.2119438
11/01/2012	HARRISON	STOCK	34067211160000	Drilled	CHESAPEAKE EXPLORATION LLC	DODSON 28-11-5 1H	40.3504983	-81.0797655	40.3639348	-81.0937952
12/14/2012	HARRISON	WASHINGTON	34067211170000	Producing	GULFPORT ENERGY CORPORATION	LYON 2-27H	40.2464223	-81.3025042	40.2310077	-81.2869177
11/26/2012	HARRISON	MOOREFIELD	34067211180000	Producing	GULFPORT ENERGY CORPORATION	STOUT 2-28H	40.1856922	-81.2046964	40.1734567	-81.1857882
12/05/2012	HARRISON	RUMLEY	34067211190000	Drilled	CHESAPEAKE EXPLORATION LLC	STEWART 12-11-5 3H	40.3786298	-81.0128303	40.3903788	-81.0220394
12/05/2012	HARRISON	RUMLEY	34067211200000	Drilled	CHESAPEAKE EXPLORATION LLC	STEWART 12-11-5 5H	40.3785853	-81.0127883	40.3917577	-81.0187165
12/12/2012	HARRISON	STOCK	34067211210000	Producing	CHESAPEAKE EXPLORATION LLC	KIDD 21-12-6 3H	40.3445413	-81.1698834	40.3569319	-81.1784889
12/12/2012	HARRISON	STOCK	34067211220000	Producing	CHESAPEAKE EXPLORATION LLC	KIDD 21-12-6 5H	40.3445050	-81.1698303	40.3574135	-81.1745751
12/12/2012	HARRISON	STOCK	34067211230000	Permitted	CHESAPEAKE EXPLORATION LLC	KIDD 21-12-6 1H	40.3445066	-81.1699702	40.3524317	-81.1796150
02/11/2013	HARRISON	MOOREFIELD	34067211250000	Producing	GULFPORT ENERGY CORPORATION	RYSER 3-25H	40.2156254	-81.2008042	40.2300062	-81.2154275
03/13/2013	HARRISON	ATHENS	34067211260000	Producing	GULFPORT ENERGY CORPORATION	WAGNER 2-28H	40.1727724	-81.0778414	40.1526234	-81.0659166
03/13/2013	HARRISON	ATHENS	34067211270000	Producing	GULFPORT ENERGY CORPORATION	WAGNER 3-28H	40.1728548	-81.0778432	40.1545175	-81.0702693
08/01/2013	HARRISON	SHORT CREEK	34067211280100	Permitted	HESS OHIO DEVELOPMENTS LLC	CNXHAR9N4W 1H-7A	40.2159638	-80.9144312	40.2300125	-80.9225723
01/27/2014	HARRISON	ARCHER	34067211290000	Drilled	CHESAPEAKE EXPLORATION LLC	NM HARRISON 16-11-5 3H	40.3506235	-81.0414168	40.3683418	-81.0541366
10/24/2013	HARRISON	ARCHER	34067211300000	Drilled	CHESAPEAKE EXPLORATION LLC	NM HARRISON 16-11-5 6H	40.3505544	-81.0413789	40.3337707	-81.0335525
01/27/2014	HARRISON	ARCHER	34067211310000	Drilled	CHESAPEAKE EXPLORATION LLC	NM HARRISON 16-11-5 5H	40.3506613	-81.0413658	40.3696548	-81.0509498
10/24/2013	HARRISON	ARCHER	34067211320000	Drilled	CHESAPEAKE EXPLORATION LLC	NM HARRISON 16-11-5 8H	40.3505922	-81.0413278	40.3351125	-81.0305204
10/24/2013	HARRISON	ARCHER	34067211330000	Drilling	CHESAPEAKE EXPLORATION LLC	NM HARRISON 16-11-5 10H	40.3506299	-81.0412767	40.3381483	-81.0283549
09/26/2013	HARRISON	ARCHER	34067211340000	Drilled	CHESAPEAKE EXPLORATION LLC	NM HARRISON 16-11-5 1H	40.3505830	-81.0414679	40.3668832	-81.0575383
02/20/2013	HARRISON	ATHENS	34067211350000	Producing	HESS OHIO DEVELOPMENTS LLC	CNXHAR9N5W 3H-24	40.1963552	-81.0606830	40.1801957	-81.0564997
03/18/2013	HARRISON	MOOREFIELD	34067211360000	Producing	GULFPORT ENERGY CORPORATION	BK STEPHENS 3-16H	40.1853307	-81.1677092	40.1989507	-81.1807444
04/15/2013	HARRISON	FREEPORT	34067211390000	Producing	GULFPORT ENERGY CORPORATION	CLAY 2-4H	40.1734460	-81.2270665	40.1911997	-81.2374598
03/27/2013	HARRISON	MOOREFIELD	34067211400000	Producing	GULFPORT ENERGY CORPORATION	RYSER 4-25H	40.2157718	-81.2018398	40.2317276	-81.2093809
04/15/2013	HARRISON	FREEPORT	34067211410000	Producing	GULFPORT ENERGY CORPORATION	CLAY 3-4H	40.1733465	-81.2270040	40.1910467	-81.2348067
08/21/2013	HARRISON	RUMLEY	34067211420000	Drilled	CHESAPEAKE EXPLORATION LLC	RUBY 15-12-5 8H	40.4146732	-81.0246650	40.3959236	-81.0139527
07/17/2013	HARRISON	RUMLEY	34067211430000	Producing	CHESAPEAKE EXPLORATION LLC	RUBY 15-12-5 3H	40.4148093	-81.0245722	40.4347785	-81.0420645
08/21/2013	HARRISON	RUMLEY	34067211440000	Drilled	CHESAPEAKE EXPLORATION LLC	RUBY 15-12-5 6H	40.4147281	-81.0246638	40.3944612	-81.0173962
07/16/2013	HARRISON	RUMLEY	34067211450000	Drilling	CHESAPEAKE EXPLORATION LLC	RUBY 15-12-5 1H	40.4147830	-81.0246625	40.4333099	-81.0455204
07/16/2013	HARRISON	RUMLEY	34067211460000	Permitted	CHESAPEAKE EXPLORATION LLC	RUBY 15-12-5 5H	40.4147544	-81.0245734	40.4230061	-81.0289813
08/21/2013	HARRISON	RUMLEY	34067211470000	Permitted	CHESAPEAKE EXPLORATION LLC	RUBY 15-12-5 10H	40.4146995	-81.0245746	40.3973804	-81.0105163
03/06/2013	HARRISON	RUMLEY	34067211480000	Drilled	CHESAPEAKE EXPLORATION LLC	STEWART 12-11-5 1H	40.3786035	-81.0129207	40.3887008	-81.0251750
05/19/2014	HARRISON	GERMAN	34067211510000	Drilling	CHESAPEAKE EXPLORATION LLC	ERICSON 11-10-4 5H	40.3634557	-80.9018062	40.3817713	-80.9113148
06/17/2013	HARRISON	GERMAN	34067211520000	Drilled	CHESAPEAKE EXPLORATION LLC	ERICSON 11-10-4 6H	40.3633367	-80.9019346	40.3471441	-80.8942960
05/29/2013	HARRISON	MOOREFIELD	34067211550000	Producing	GULFPORT ENERGY CORPORATION	GUSTINA-BEAR 1-23H	40.1905843	-81.1865255	40.1771224	-81.1761646
05/29/2013	HARRISON	MOOREFIELD	34067211560000	Producing	GULFPORT ENERGY CORPORATION	GUSTINA-BEAR 2-23H	40.1906085	-81.1864821	40.1760114	-81.1724612
05/29/2013	HARRISON	MOOREFIELD	34067211570000	Producing	GULFPORT ENERGY CORPORATION	GUSTINA-BEAR 3-23H	40.1906327	-81.1864387	40.1760114	-81.1724612
03/22/2013	HARRISON	WASHINGTON	34067211580000	Producing	GULFPORT ENERGY CORPORATION	LYON 3-27H	40.2465539	-81.3024875	40.2300373	-81.2883285

04/15/2013	HARRISON	FREEPORT	34067211590000	Producing	GULFPORT ENERGY CORPORATION	CLAY 4-4H	40.1734846	-81,2270872	40.1912994	-81.2424942
04/01/2013	HARRISON	MONROE	34067211590000	Drilling	CHEVRON APPALACHIA LLC	WAGNER 1-18HD	40.3876583	-81.2625643	40.3993799	-81.2688637
04/01/2013	HARRISON	MONROE	34067211610100	Drilled	CHEVRON APPALACHIA LLC	WAGNER 2-18HD	40.3876577	-81.2625104	40.3983314	-81.2645672
04/09/2013	HARRISON	ATHENS	34067211620000	Drilled	GULFPORT ENERGY CORPORATION	DARLA 3-22H	40.1784483	-81.0735764	40.1578930	-81.0577930
07/08/2013	HARRISON	ATHENS	34067211630000	Drilling	GULFPORT ENERGY CORPORATION	DARLA 1-22H	40.1784073	-81.0735764	40.1655871	-81.0531866
04/09/2013	HARRISON	ATHENS	34067211640000	Drilled	GULFPORT ENERGY CORPORATION	DARLA 2-22H	40.1784894	-81.0735648	40.1613701	-81.0546768
05/08/2013	HARRISON	GERMAN	34067211690000	Permitted	CHESAPEAKE EXPLORATION LLC	HANCHIN 9-11-4 3H	40.4126918	-80.8860260	40.4257814	-80.8957279
05/13/2013	HARRISON	NORTH	34067211720000	Producing	CHESAPEAKE EXPLORATION LLC	WILLIAM PHILLIPS 1-13-6 3H	40.3874895	-81.1031891	40.4072073	-81.1174816
05/13/2013	HARRISON	NORTH	34067211730000	Producing	CHESAPEAKE EXPLORATION LLC	WILLIAM PHILLIPS 1-13-6 1H	40.3875150	-81.1032532	40.4065398	-81.1136027
05/08/2013	HARRISON	NORTH	34067211740000	Drilled	CHESAPEAKE EXPLORATION LLC	VALDINGER 12-12-6 1H	40.3825648	-81.1287797	40.3938820	-81.1421832
05/08/2013	HARRISON	NORTH	34067211750000	Drilled	CHESAPEAKE EXPLORATION LLC	VALDINGER 12-12-6 8H	40.3824932	-81.1287632	40.3686929	-81.1233081
05/08/2013	HARRISON	NORTH	34067211760000	Drilled	CHESAPEAKE EXPLORATION LLC	VALDINGER 12-12-6 12H	40.3824723	-81.1286201	40.3714535	-81.1168623
05/08/2013	HARRISON	NORTH	34067211770000	Drilled	CHESAPEAKE EXPLORATION LLC	VALDINGER 12-12-6 10H	40.3824814	-81.1286917	40.3702253	-81.1197160
05/08/2013	HARRISON	NORTH	34067211780000	Drilled	CHESAPEAKE EXPLORATION LLC	VALDINGER 12-12-6 5H	40.3825439	-81.1286401	40.4011129	-81.1387181
05/08/2013	HARRISON	NORTH	34067211790000	Drilled	CHESAPEAKE EXPLORATION LLC	VALDINGER 12-12-6 3H	40.3825558	-81.1287117	40.3961266	-81.1391072
05/08/2013	HARRISON	NORTH	34067211800000	Drilled	CHESAPEAKE EXPLORATION LLC	VALDINGER 12-12-6 7H	40.3825348	-81.1285685	40.4010946	-81.1344311
05/13/2013	HARRISON	NORTH	34067211810000	Producing	CHESAPEAKE EXPLORATION LLC	WILLIAM PHILLIPS 1-13-6 5H	40.3874667	-81.1031250	40.4071859	-81.1209331
05/13/2013	HARRISON	CADIZ	34067211820000	Drilled	HESS OHIO DEVELOPMENTS LLC	CADIZ B 2H-14	40.2272300	-81.0383932	40.2052596	-81.0258554
07/02/2013	HARRISON	FREEPORT	34067211840000	Permitted	GULFPORT ENERGY CORPORATION	MILLIKEN 4-4H	40.1748469	-81.2399585	40.1921673	-81.2572683
07/02/2013	HARRISON	FREEPORT	34067211850000	Producing	GULFPORT ENERGY CORPORATION	MILLIKEN 1-4H	40.1747795	-81.2398237	40.1988826	-81.2523035
07/02/2013	HARRISON	FREEPORT	34067211860000	Drilling	GULFPORT ENERGY CORPORATION	MILLIKEN 2-4H	40.1748020	-81.2398698	40.1981828	-81.2550838
07/02/2013	HARRISON	FREEPORT	34067211870000	Drilling	GULFPORT ENERGY CORPORATION	MILLIKEN 3-4H	40.1748244	-81.2399124	40.1959555	-81.2567468
06/19/2014	HARRISON	STOCK	34067211880000	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 3H	40.3600854	-81.1022377	40.3798244	-81.1150985
06/19/2014	HARRISON	STOCK	34067211890000	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 5H	40.3601403	-81.1022402	40.3797661	-81.1130070
06/19/2014	HARRISON	STOCK	34067211900000	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 6H	40.3599986	-81.1023221	40.3414630	-81.0896694
06/19/2014	HARRISON	STOCK	34067211910000	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 8H	40.3600535	-81.1023245	40.3414293	-81.0876073
06/19/2014	HARRISON	STOCK	34067211920000	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 10H	40.3601084	-81.1023270	40.3413955	-81.0855451
06/19/2014	HARRISON	STOCK	34067211930000	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 1H	40.3600305	-81.1022353	40.3798828	-81.1171937
08/23/2013	HARRISON	NORTH	34067211940000	Drilled	CHESAPEAKE EXPLORATION LLC	ROGERS 27-12-5 3H	40.4203175	-81.0712522	40.4384289	-81.0865142
06/07/2013	HARRISON	CADIZ	34067211950000	Drilled	HESS OHIO DEVELOPMENTS LLC	CADIZ B 1H-14	40.2272086	-81.0384402	40.2042069	-81.0285208
06/17/2013	HARRISON	ARCHER	34067211960000	Drilled	HESS OHIO DEVELOPMENTS LLC	ARCHER A 1H-31	40.3004691	-80.9883328	40.3114830	-81.0072473
06/07/2013	HARRISON	CADIZ	34067211970000	Drilled	HESS OHIO DEVELOPMENTS LLC	CADIZ B 5H-14	40.2272886	-81.0382522	40.2085360	-81.0181424
06/07/2013	HARRISON	CADIZ	34067211980000	Drilled	HESS OHIO DEVELOPMENTS LLC	CADIZ B 3H-14	40.2272486	-81.0383462	40.2063489	-81.0232750
06/07/2013	HARRISON	CADIZ	34067211990000	Drilled	HESS OHIO DEVELOPMENTS LLC	CADIZ B 4H-14	40.2272699	-81.0382992	40.2074492	-81.0206942
06/11/2013	HARRISON	MOOREFIELD	34067212000000	Permitted	GULFPORT ENERGY CORPORATION	BK STEPHENS 4-16H	40.1854390	-81.1678180	40.1985545	-81.1825636
04/30/2014	HARRISON	ARCHER	34067212010000	Drilling	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 10H (8)	40.3598136	-81.0596721	40.3391702	-81.0450753
09/06/2013	HARRISON	ARCHER	34067212010100	Permitted	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 8H	40.3598136	-81.0596721	40.3395992	-81.0462103
04/30/2014	HARRISON	ARCHER	34067212020000	Permitted	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 1H (3)	40.3598181	-81.0598119	40.3797030	-81.0777975
04/30/2014	HARRISON	ARCHER	34067212030000	Drilling	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 3H (5)	40.3598503	-81.0597538	40.3802363	-81.0765405
04/30/2014	HARRISON	ARCHER	34067212040000	Permitted	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 5H (10H)	40.3598853	-81.0596956	40.3807697	-81.0752871
04/30/2014	HARRISON	ARCHER	34067212050000	Permitted	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 6H (1)	40.3597464	-81.0597884	40.3381040	-81.0475846
04/30/2014	HARRISON	ARCHER	34067212060000	Drilled	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 8H (6H)	40.3597786	-81.0597302	40.3386371	-81.0463317
06/12/2013	HARRISON	MOOREFIELD	34067212070000	Permitted	GULFPORT ENERGY CORPORATION	BK STEPHENS 6-16-H	40.1855057	-81.1678847	40.1730702	-81.1630007
06/12/2013	HARRISON	MOOREFIELD	34067212080000	Permitted	GULFPORT ENERGY CORPORATION	BK STEPHENS 5-16H	40.1854723	-81.1678496	40.1725658	-81.1604987
06/13/2014	HARRISON	MOOREFIELD	34067212090000	Permitted	GULFPORT ENERGY CORPORATION	PUSKARICH 1-18H	40.2032961	-81.1628511	40.1928152	-81.1514986
06/13/2014	HARRISON	MOOREFIELD	34067212100000	Drilling	GULFPORT ENERGY CORPORATION	PUSKARICH 2-18H	40.2032608	-81.1628840	40.1878653	-81.1517094
06/17/2013	HARRISON	ARCHER	34067212110000	Drilled	HESS OHIO DEVELOPMENTS LLC	ARCHER A 2H-31	40.3004597	-80.9882506	40.3126124	-81.0046077
06/21/2013	HARRISON	ARCHER	34067212120000	Drilled	HESS OHIO DEVELOPMENTS LLC	ARCHER A 4H-31	40.3004357	-80.9880934	40.3148905	-80.9993495
06/21/2013	HARRISON	ARCHER	34067212130000	Drilled	HESS OHIO DEVELOPMENTS LLC	ARCHER A 3H-31	40.3004477	-80.9881720	40.3137633	-81.0019390
10/29/2013	HARRISON	ATHENS	34067212140000	Drilled	HESS OHIO DEVELOPMENTS LLC	ATHENS B 4H-5	40.1791212	-81.0100256	40.2002216	-81.0317697
10/29/2013	HARRISON	ATHENS	34067212150000	Drilled	HESS OHIO DEVELOPMENTS LLC	ATHENS B 3H-5	40.1791532	-81.0099533	40.2026486	-81.0290241
10/29/2013	HARRISON	ATHENS	34067212160000	Drilled	HESS OHIO DEVELOPMENTS LLC	ATHENS B 2H-5	40.1791825	-81.0098846	40.2041139	-81.0255799
07/08/2013	HARRISON	ATHENS	34067212170000	Drilled	GULFPORT ENERGY CORPORATION	WAGNER 4-28 H	40.1785277	-81.0735533	40.1555044	-81.0603667
08/09/2013	HARRISON	RUMLEY	34067212180000	Drilled	CHESAPEAKE EXPLORATION LLC	LONG 21-12-5 6H	40.4177019	-81.0525775	40.3995390	-81.0437364
10/29/2013	HARRISON	ATHENS	34067212190000	Drilled	HESS OHIO DEVELOPMENTS LLC	ATHENS B 1H-5	40.1792117	-81.0098124	40.2037942	-81.0214589
08/09/2013	HARRISON	RUMLEY	34067212200000	Drilled	CHESAPEAKE EXPLORATION LLC	LONG 21-12-5 7H	40.4176501	-81.0526073	40.4002798	-81.0417704
02/13/2014		NORTH	34067212210000	Permitted	CHESAPEAKE EXPLORATION LLC	DEMIS 12-12-6 1H	40.3786857	-81.1400050	40.3974259	-81.1565415
	HARRISON				CHECADEANE EVOLODATION LLC	DEMIS 12-12-6 5H	40.3786785	-81.1398616	40.3992958	-81.1521520
02/13/2014	HARRISON	NORTH	34067212220000	Permitted	CHESAPEAKE EXPLORATION LLC					
02/13/2014 02/13/2014	HARRISON HARRISON	NORTH NORTH	34067212230000	Permitted	CHESAPEAKE EXPLORATION LLC	DEMIS 12-12-6 3H	40.3786821	-81.1399333	40.3983609	-81.1543468
02/13/2014 02/13/2014 01/27/2014	HARRISON HARRISON HARRISON	NORTH NORTH RUMLEY	34067212230000 34067212340000				40.3786821 40.3818841	-81.1399333 -80.9824848	40.3983609 40.3976312	-81.1543468 -80.9980295
02/13/2014 02/13/2014 01/27/2014 08/29/2013	HARRISON HARRISON HARRISON HARRISON	NORTH NORTH RUMLEY FREEPORT	34067212230000 34067212340000 34067212350100	Permitted	CHESAPEAKE EXPLORATION LLC	DEMIS 12-12-6 3H	40.3786821 40.3818841 40.2246335	-81.1399333 -80.9824848 -81.2998648	40.3983609	-81.1543468 -80.9980295 -81.2902461
02/13/2014 02/13/2014 01/27/2014 08/29/2013 08/29/2013	HARRISON HARRISON HARRISON HARRISON HARRISON	NORTH NORTH RUMLEY FREEPORT FREEPORT	34067212230000 34067212340000 34067212350100 34067212370000	Permitted Drilled	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHEVRON APPALACHIA LLC CHEVRON APPALACHIA LLC	DEMIS 12-12-6 3H ARBAUGH 31-11-4 1H E CLARK SOUTH 7-25HD E CLARK SOUTH 5-25HD	40.3786821 40.3818841 40.2246335 40.2244885	-81.1399333 -80.9824848 -81.2998648 -81.2999139	40.3983609 40.3976312 40.2141247 40.2437545	-81.1543468 -80.9980295 -81.2902461 -81.3146204
02/13/2014 02/13/2014 01/27/2014 08/29/2013	HARRISON HARRISON HARRISON HARRISON	NORTH NORTH RUMLEY FREEPORT	34067212230000 34067212340000 34067212350100	Permitted Drilled Permitted	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHEVRON APPALACHIA LLC	DEMIS 12-12-6 3H ARBAUGH 31-11-4 1H E CLARK SOUTH 7-25HD	40.3786821 40.3818841 40.2246335	-81.1399333 -80.9824848 -81.2998648	40.3983609 40.3976312 40.2141247	-81.1543468 -80.9980295 -81.2902461
02/13/2014 02/13/2014 01/27/2014 08/29/2013 08/29/2013	HARRISON HARRISON HARRISON HARRISON HARRISON	NORTH NORTH RUMLEY FREEPORT FREEPORT	34067212230000 34067212340000 34067212350100 34067212370000	Permitted Drilled Permitted Drilled	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHEVRON APPALACHIA LLC CHEVRON APPALACHIA LLC	DEMIS 12-12-6 3H ARBAUGH 31-11-4 1H E CLARK SOUTH 7-25HD E CLARK SOUTH 5-25HD	40.3786821 40.3818841 40.2246335 40.2244885	-81.1399333 -80.9824848 -81.2998648 -81.2999139	40.3983609 40.3976312 40.2141247 40.2437545	-81.1543468 -80.9980295 -81.2902461 -81.3146204
02/13/2014 02/13/2014 01/27/2014 08/29/2013 08/29/2013 01/27/2014 01/27/2014	HARRISON HARRISON HARRISON HARRISON HARRISON HARRISON HARRISON HARRISON HARRISON	NORTH NORTH RUMLEY FREEPORT FREEPORT FREEPORT RUMLEY RUMLEY RUMLEY	34067212230000 34067212340000 34067212350100 34067212370000 34067212380000 34067212390000 340672122430000	Permitted Drilled Permitted Drilled Permitted Prilled Permitted	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHEVRON APPALACHIA LLC CHEVRON APPALACHIA LLC CHEVRON APPALACHIA LLC	DEMIS 12-12-6 3H ARBAUGH 31-11-4 1H E CLARK SOUTH 7-25HD E CLARK SOUTH 5-25HD E CLARK SOUTH 9-25HD	40.3786821 40.3818841 40.2246335 40.2244885 40.2245563 40.3819821 40.3819365	-81.1399333 -80.9824848 -81.2998648 -81.2999139 -81.2998303 -80.9824287 -80.9825051	40.3983609 40.3976312 40.2141247 40.2437545 40.2354685	-81.1543468 -80.9980295 -81.2902461 -81.3146204 -81.3053258
02/13/2014 02/13/2014 01/27/2014 08/29/2013 08/29/2013 08/29/2013 01/27/2014	HARRISON HARRISON HARRISON HARRISON HARRISON HARRISON HARRISON HARRISON	NORTH NORTH RUMLEY FREEPORT FREEPORT FREEPORT RUMLEY	34067212230000 34067212340000 34067212350100 34067212370000 34067212380000 34067212390000	Permitted Drilled Permitted Drilled Permitted Drilled Drilled	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHEVRON APPALACHIA LLC CHEVRON APPALACHIA LLC CHEVRON APPALACHIA LLC CHEVRON APPALACHIA LLC CHESAPEAKE EXPLORATION LLC	DEMIS 12-12-6 3H ARBAUGH 31-11-4 1H E CLARK SOUTH 7-25HD E CLARK SOUTH 5-25HD E CLARK SOUTH 9-25HD ARBAUGH 31-11-4 5H	40.3786821 40.3818841 40.2246335 40.2244885 40.2245563 40.3819821	-81.1399333 -80.9824848 -81.2998648 -81.2999139 -81.2998303 -80.9824287	40.3983609 40.3976312 40.2141247 40.2437545 40.2354685 40.3987747	-81.1543468 -80.9980295 -81.2902461 -81.3146204 -81.3053258 -80.9908546
02/13/2014 02/13/2014 01/27/2014 08/29/2013 08/29/2013 01/27/2014 01/27/2014	HARRISON HARRISON HARRISON HARRISON HARRISON HARRISON HARRISON HARRISON HARRISON	NORTH NORTH RUMLEY FREEPORT FREEPORT FREEPORT RUMLEY RUMLEY RUMLEY	34067212230000 34067212340000 34067212350100 34067212370000 34067212380000 34067212390000 340672122430000	Permitted Drilled Permitted Drilled Permitted Drilled Drilled Drilled Drilled	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC CHEVRON APPALACHIA LLC CHEVRON APPALACHIA LLC CHEVRON APPALACHIA LLC CHEVRON APPALACHIA LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	DEMIS 12-12-6 3H ARBAUGH 31-11-4 1H E CLARK SOUTH 7-25HD E CLARK SOUTH 5-25HD E CLARK SOUTH 9-25HD ARBAUGH 31-11-4 5H ARBAUGH 31-11-4 3H	40.3786821 40.3818841 40.2246335 40.2244885 40.2245563 40.3819821 40.3819365	-81.1399333 -80.9824848 -81.2998648 -81.2999139 -81.2998303 -80.9824287 -80.9825051	40.3983609 40.3976312 40.2141247 40.2437545 40.2354685 40.3987747 40.3992869	-81.1543468 -80.9980295 -81.2902461 -81.3146204 -81.3053258 -80.9936761

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SAMESTED PARTIN SAMESTED PARTIN SAMESTED SA	10/31/2013	HARRISON	STOCK	34067212470100	Permitted	ECLIPSE RESOURCES I LP	MIZER UNIT 2H	40.3320450	-81.1168576	40.3163324	-81.1104231
Description											-81.1080181
Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description											-81.0898966
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Decorate Decorate Strict	10/11/2013	HARRISON	STOCK	34067212550000	Permitted	ECLIPSE RESOURCES I LP	MIZER FARMS UNIT 3H	40.3023711	-81.0957407	40.3161333	-81.1071566
	10/11/2013	HARRISON	STOCK	34067212560000	Permitted	ECLIPSE RESOURCES I LP	MIZER FARMS UNIT 9H	40.3024845	-81.0958064	40.3189859	-81.1004551
17/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19 19/19/19/19 19/19/19/19 19/19/19/1	12/16/2013	HARRISON	STOCK	34067212570000	Permitted	ECLIPSE RESOURCES I LP	MIZER FARMS UNIT 1H	40.3023162		40.3006384	-81.0988247
DAMPIN MODERN M	02/19/2014	HARRISON	STOCK	34067212570100	Permitted	ECLIPSE RESOURCES I LP	MIZER FARMS UNIT 1H	40.3023162	-81.0957454	40.3151833	-81.1093891
TAMPOON WASSEST WASS	11/26/2013	HARRISON	NOTTINGHAM	34067212590000	Producing	AMERICAN ENERGY UTICA LLC	JONES N NTG HR 5H	40.2540230	-81.1675793	40.2692709	-81.1796746
TAMPOON WASSEST WASS		HARRISON	MOOREFIELD				MICHAEL 1-23H	40.1942138	-81.1714234	40.1724001	-81.1534417
17/20/2011 MARKOON DOTTROMAN 1907/12/2000 Orling		HARRISON	MOOREFIELD			GULFPORT ENERGY CORPORATION		40.1942281	-81.1714768	40.1712525	-81.1488057
17/25/19 MARKEDU NOTTROCKANE 1467719900000 Colling AMERICAN PROFESSORY COLUMN											-81.1768929
TOTATION MARKED MITTINGOM 169071567680 Galler AMERICA PRINCE CHICAL GALL STORY IN STORY BE GL. 354073 GL. 157472 GL. 177772 GL											-81.1839332
1/25/23/33 MARSON NOTTHERMAN PREVILLENING DIFFICE AMERICAN RESERVITION C.											-81.1815876
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0.714/2014 MARRISCH MODERFELD 360721/20000 Primited GULPSPE PERIOR CORPORATION OVUEDAY - 328 A.					<u> </u>						-81.1338836
MARSION MODIFIELD											-81.1323318
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MARSON TOCK MOPTIZEMENDO Dolling CLUSE RESOURCES P MADEA NUMT 10H 0.314640 41.007021 40.008064 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021 41.007021			MOOREFIELD	34067212790000	Permitted	GULFPORT ENERGY CORPORATION	DAVIDSON 2-36H	40.2101852	-81.2088228	40.2283378	-81.2186506
0.719/2013 MARSON TOCK 346771280000 Orilling ELIVER RESOURCES IP MACRA NUTF 8H 0.314533 \$1,670321 0.3938632 \$1,07021 \$1,07027015 MARRON TOCK 346771287000 Orilling ELIVER RESOURCES IP MACRA NUTF 8H 0.314693 \$1,070321 0.3938632 \$1,0702715 \$1,07027015 MARRON TOCK 346771287000 Orilling ELIVER RESOURCES IP MACRA NUTF 8H 0.314696 \$1,0702715 \$1,07027015 \$1,07027015 MARRON TOCK 346771287000 Orilling ELIVER RESOURCES IP MACRA NUTF 8H 0.314696 \$1,0702715 \$1,07027015 \$1,07027015 \$1,07027015 MARRON MORTH 346771280000 Orilling CHEAPMAR DEFORMATION ILC TOCK MACRA NUTF 8H 0.344696 \$1,07027015 \$1,07027015 \$1,07027015 MARRON MORTH 346771290000 Orilling CHEAPMAR DEFORMATION ILC TOCK MACRA NUTF 8H 0.344696 \$1,07027015 \$1,07027015 MARRON TOCK MACRA NUTF 9H MARRON MARRON TOCK MACRA NUTF 9H MARRON MARRON TOCK MACRA NUTF 9H MARRON MARRO		HARRISON	GERMAN	34067212810000	Drilled	CHESAPEAKE EXPLORATION LLC	HALL 29-10-4 3H	40.3545002	-80.9616671	40.3734581	-80.9754546
MARISON FINCK MARISON MARI	02/19/2014	HARRISON	STOCK	34067212840000	Drilling	ECLIPSE RESOURCES I LP	MADZIA UNIT 10H	40.3146346	-81.0871127	40.3040664	-81.0715705
07/19/2014 MARRISON STOCK MOST12870000 Drilling ECLIPS RESOURCES ILP MADZIA JUST 21 0.314/896 \$1.0899936 0.3007947 \$1.07077014 MARRISON NOTITIONAM MOST12870000 Drilling CHESPER RESOURCES ILP MADZIA JUST 21 0.315/8014 0.316/8015 0.3299655 \$1.07077014 MARRISON NOTITIONAM MOST12870000 Drilling CHESPER RESOURCES ILP MADZIA JUST 21 0.0216/11 41.086800 0.349011 \$1.15 0.0216/11 41.086800 0.349011 \$1.15 0.0216/11 41.086800 0.349011 \$1.15 0.0216/11 41.086800 0.349011 \$1.15 0.0216/11 41.086800 0.349011 \$1.15 0.0216/11 41.086800 0.349011 \$1.15 0.0216/11 41.086800 0.349011 \$1.15 0.0216/11 41.086800 0.349011 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.15 0.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.0216/11 \$1.02	02/19/2014	HARRISON	STOCK	34067212850000	Drilling	ECLIPSE RESOURCES I LP	MADZIA UNIT 6H	40.3145430	-81.0870321	40.3018662	-81.0767412
MARISON STOCK \$1067212880000 Primited LCLPS RESOURCES LF MADIA UNIT 2H 40,334641 81,0895915 A0,299635 81,0506700 A0,0000000 A0,000000000 A0,0000000000	02/19/2014	HARRISON	STOCK	34067212860000	Drilling	ECLIPSE RESOURCES I LP	MADZIA UNIT 8H	40.3145875	-81.0870742	40.3029649	-81.0741541
MARRISON NOTTINGHAM MARPIZIONO Permitted AMERICAN PERGY UTCA LLC N H SAS NTG MP; 40,2590699 81,550463 40,2479012 81,150463 40,2479012 81,150463 40,2479012 81,000000 81,000000 81,0000000 81,00000000 81,0000000000000000 81,000000000000000000000000000000000000	02/19/2014	HARRISON	STOCK	34067212870000	Drilling	ECLIPSE RESOURCES I LP	MADZIA UNIT 4H	40.3144986	-81.0869936	40.3007647	-81.0793246
MARRISON NOTTINGHAM MARPIZIONO Permitted AMERICAN PERGY UTCA LLC N H SAS NTG MP; 40,2590699 81,550463 40,2479012 81,150463 40,2479012 81,150463 40,2479012 81,000000 81,000000 81,0000000 81,00000000 81,0000000000000000 81,000000000000000000000000000000000000		HARRISON									-81.0819115
MARRISON MORTH MARRISON MORTH MARRISON MORTH MARRISON MORTH MARRISON MORTH MARRISON MA		HARRISON									-81.1505609
627107014 MARRSON STOCK 34067212900000 Drilling CHESAPEAK EPRIQNATION LC DODSON 28-11-5 10H 40,3559973 81,0796830 40,3301701 81,06		HARRISON									-81.1009000
02/10/2016 HARRON STOCK MOCYZ1290000 Drilled CHESAPEARE EXPLORATION ILC DOSGON 28-11-5-10H M. 354597 80.079781 40.3377014 81.00 M. 54597 M.					U .						-81.0677734
MARSON MARRON MORNOE M					0						-81.0638909
MARRISON NORTH 34067213970000 Onling CHESAPEAKE EXPORATION LLC TODER NORTH 33-125-11H AU 2313133 \$1,0885488 AU 3,657096 \$1,150 AU 3,076/2014 HARRISON MONROE 34067213990000 Permitted CHESAPEAKE EXPORATION LLC SOWERSTON 21:13-6-6H AU 2,121417 \$1,159554 AU 4,005661 \$1,059534 AU 4,005661 AU 5,005721390000 Permitted CHESAPEAKE EXPORATION LLC SOWERSTON 21:13-6-6H AU 2,121417 \$1,159554 AU 4,005661 AU 5,005721390000 AU 5,005721390000 Permitted CHESAPEAKE EXPORATION LLC SOWERSTON 21:13-6-6H AU 2,121417 \$1,159554 AU 3,990909 \$1,151 AU 3,710/2014 HARRISON ATHENS 3406721330000 Permitted HESS OHIO DEVELOPMENTS LLC ATHENS C 21-19 AU 2,212494 \$1,0535498 AU 1,99299 \$1,00 AU 3,710/2014 HARRISON ATHENS 3406721330000 Drilling HESS OHIO DEVELOPMENTS LLC ATHENS C 21-19 AU 2,212494 \$1,0534498 AU 1,99299 \$1,00 AU 3,710/2014 HARRISON ATHENS 3406721300000 Drilling HESS OHIO DEVELOPMENTS LLC ATHENS C 31-19 AU 2,212394 \$1,0534498 AU 1,99089 \$1,00 AU 3,710/2014 HARRISON ATHENS 3406721300000 Drilling HESS OHIO DEVELOPMENTS LLC ATHENS C 31-19 AU 2,212394 \$1,0534498 AU 1,99089 \$1,00 AU 3,710/2014 HARRISON ATHENS 3406721300000 Drilling HESS OHIO DEVELOPMENTS LLC ATHENS C 31-19 AU 2,212394 \$1,0534498 AU 1,99089 \$1,00 AU 3,710/2014 HARRISON ATHENS 3406721300000 Drilling HESS OHIO DEVELOPMENTS LLC ATHENS C 31-19 AU 2,213407 \$1,00 AU 3,710/2014 HARRISON AU 3,00 AU 3,0											-80.9800500
ABRISON MONROE 34067212980000 Permitted CHESAPEAKE EXPLORATION ILC BOWERSTON 21.13-6 IDH 0.04.212626 81.1558522 0.04.020666 81.15 0.3706/2014 HARRISON MONROE 34067212900000 Permitted CHESAPEAKE EXPLORATION ILC BOWERSTON 21.13-6 IDH 0.04.212456 81.1559487 40.3959009 81.15 0.3706/2014 HARRISON ATHENS 3406721300000 Permitted CHESAPEAKE EXPLORATION ILC BOWERSTON 21.13-6 IDH 0.04.212456 81.1559487 40.3959009 81.15 0.3710/2014 HARRISON ATHENS 3406721300000 Permitted HESS ONIO DEVELOPMENTS ILC ATHENS C1H-19 40.2212708 81.0534028 40.1982094 81.05 0.3710/2014 HARRISON ATHENS 3406721300000 Drilling HESS ONIO DEVELOPMENTS ILC ATHENS C3H-19 40.2212708 81.0534028 40.1982094 81.05 0.3710/2014 HARRISON ATHENS 34067213040000 Drilling HESS ONIO DEVELOPMENTS ILC ATHENS C3H-19 40.2213507 81.0534028 40.1990887 81.05 0.3710/2014 HARRISON ATHENS 34067213050000 Drilling HESS ONIO DEVELOPMENTS ILC ATHENS C3H-19 40.2213507 81.0534028 40.1999681 81.05 0.3710/2014 HARRISON ATHENS 34067213050000 Drilling HESS ONIO DEVELOPMENTS ILC ATHENS C5H-19 40.2213507 81.0533018 40.0999681 81.05 0.3710/2014 HARRISON ATHENS 34067213050000 Drilling HESS ONIO DEVELOPMENTS ILC ATHENS C5H-19 40.2213507 81.0533018 40.0017267 81.05 0.3711/2014 HARRISON ATHENS 34067213050000 Drilling HESS ONIO DEVELOPMENTS ILC ATHENS C5H-19 40.2213507 81.0533018 40.0017267 81.05 0.3711/2014 HARRISON ADDIT ATHENS 40.0017											-81.1030934
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03/18/2014 HARRISON MOOREFIELD 34067213140000 Permitted AMERICAN ENERGY UTICA LLC RH HAMILTON S MRF HR 8H 40.2248140 81.1786654 40.2080513 81.16											-81.1686570
03/18/2014 HARRISON MOOREFIELD 34067213150000 Permitted AMERICAN ENERGY UTICA LLC RH HAMILTON S MRF HR 10H 40.2248630 81.1786322 40.2083749 81.16					··········						-81.1664008
03/19/2014 HARRISON CADIZ 34067213160000 Permitted HESS OHIO DEVELOPMENTS LLC CADIZ D 5H-8 40.2307384 -81.0237140 40.2111755 -81.00 03/25/2014 HARRISON NORTH 34067213170000 Drilling CHESAPEAKE EXPLORATION LLC YODER 33-12-5 10H 40.4231204 -81.0884516 40.4060054 -81.07 03/19/2014 HARRISON CADIZ 34067213180000 Permitted HESS OHIO DEVELOPMENTS LLC CADIZ D 1H-8 40.2305784 -81.0238950 40.2069143 -81.01 03/26/2014 HARRISON CADIZ 34067213190000 Drilling HESS OHIO DEVELOPMENTS LLC CADIZ D 2H-8 40.2306770 -81.0238550 40.2079811 -81.01 03/26/2014 HARRISON CADIZ 3406721320000 Drilling HESS OHIO DEVELOPMENTS LLC CADIZ D 2H-8 40.2306784 -81.0238050 40.2079811 -81.00 03/26/2014 HARRISON CADIZ 3406721320000 Drilling HESS OHIO DEVELOPMENTS LLC CADIZ D 3H-8 40.2306784 -81.0238080 40.2090451 -81.00 03/26/2014 HARRISON CADIZ 34067213210000 Drilling HESS OHIO DEVELOPMENTS LLC CADIZ D 3H-8 40.2307170 -81.023850 40.2090451 -81.00 03/26/2014 HARRISON CADIZ 3406721321000 Drilling HESS OHIO DEVELOPMENTS LLC CADIZ D 4H-8 40.2307170 -81.0237610 40.210117 -81.00 04/17/2014 HARRISON NORTH 3406721322000 Drilling CHESAPEAKE EXPLORATION LLC TRUBH 81.3-6 201H 40.3599175 -81.1246935 40.4299561 -81.13 04/30/2014 HARRISON ARCHER 3406721325000 Drilling CHESAPEAKE EXPLORATION LLC HELB HALTER 23-11-5 205H 40.3599175 -81.0596140 40.3397032 -81.04 04/30/2014 HARRISON ARCHER 34067213250000 Permitted CHESAPEAKE EXPLORATION LLC HELB HALTER 23-11-5 210H 40.3598458 -81.0596140 40.3397032 -81.04 04/30/2014 HARRISON ARCHER 34067213250000 Permitted CHESAPEAKE EXPLORATION LLC HELB HALTER 23-11-5 210H 40.3598458 -81.0596140 40.3397032 -81.04 04/30/2014 HARRISON ARCHER 34067213250000 Permitted CHESAPEAKE EXPLORATION LLC HELB HALTER 23-11-5 210H 40.3598458 -81.0596140 40.3397032 -81.04 04/30/2014 HARRISON ARCHER 34067213250000 Permitted CHESAPEAKE EXPLORATION LLC HELB HALTER 23-11-5 210H 40.3598458 -81.0596140 40.3397032 -81.04 04/30/2014 HARRISON ARCHER 34067213250000 Permitted CHESAPEAKE EXPLORATION LLC HELB HALTER 23-11-5 210H 40.3598458 -81.0596140 40.3397032											-81.1635694
03/25/2014 HARRISON NORTH 34067213170000 Drilling CHESAPEAKE EXPLORATION LLC YODER 33-12-5 10H 40.4231204 81.0884516 40.4060054 81.07											-81.0023075
03/19/2014 HARRISON CADIZ 34067213180000 Permitted HESS OHIO DEVELOPMENTS LLC CADIZ D 1H-8 40.2306584 81.0239020 40.2069143 -81.01											
03/26/2014 HARRISON CADIZ 34067213190000 Drilling HESS OHIO DEVELOPMENTS LLC CADIZ D 2H-8 40.2306770 -81.0238550 40.2079811 -81.01 03/26/2014 HARRISON CADIZ 3406721320000 Drilling HESS OHIO DEVELOPMENTS LLC CADIZ D 3H-8 40.2306784 -81.0238080 40.2090451 -81.00 03/26/2014 HARRISON CADIZ 34067213210000 Drilling HESS OHIO DEVELOPMENTS LLC CADIZ D 4H-8 40.2306770 -81.0238080 40.2090451 -81.00 04/17/2014 HARRISON NORTH 34067213210000 Drilling HESS OHIO DEVELOPMENTS LLC CADIZ D 4H-8 40.2306770 -81.0238080 40.2090451 -81.00 04/3/2014 HARRISON NORTH 34067213240000 Drilling CHESAPEAKE EXPLORATION LLC TRUBH LLTER 23-11-5 205H 40.4133728 -81.1244935 40.4299561 -81.13 04/30/2014 HARRISON ARCHER 34067213240000 Drilling CHESAPEAKE EXPLORATION LLC HELEN HALTER 23-11-5 205H 40.3599175 -81.0596375 40.3813031 -81.04 <td></td> <td>-81.0729415</td>											-81.0729415
03/26/2014 HARRISON CADIZ 3406721320000 Drilling HESS OHIO DEVELOPMENTS LLC CADIZ D 3H-8 40.2306984 -81.0238080 40.2090451 -81.00											-81.0127325
03/26/2014 HARRISON CADIZ 34067213210000 Drilling HESS OHIO DEVELOPMENTS LLC CADIZ D 4H-8 40.2307170 -81.0237610 40.210117 -81.00											-81.0101272
04/17/2014 HARRISON NORTH 34067213220000 Drilled CHESAPEAKE EXPLORATION LLC TRUSHELL 8-13-6 201H 40.4133728 -81.1244935 40.4299561 -81.13 04/30/2014 HARRISON ARCHER 34067213240000 Drilling CHESAPEAKE EXPLORATION LLC HELEN HALTER 23-11-5 205H 40.3599175 -81.0596375 40.3813031 -81.07 04/30/2014 HARRISON ARCHER 34067213250000 Permitted CHESAPEAKE EXPLORATION LLC HELEN HALTER 23-11-5 210H 40.3598458 -81.0596140 40.3397032 -81.04			0.15.2		0						-81.0075219
04/30/2014 HARRISON ARCHER 34067213240000 Drilling CHESAPEAKE EXPLORATION LLC HELEN HALTER 23-11-5 205H 40.3599175 -81.0596375 40.3813031 -81.07 04/30/2014 HARRISON ARCHER 34067213250000 Permitted CHESAPEAKE EXPLORATION LLC HELEN HALTER 23-11-5 210H 40.3598458 -81.0596140 40.3397032 -81.04					<u> </u>						-81.0049165
04/30/2014 HARRISON ARCHER 34067213250000 Permitted CHESAPEAKE EXPLORATION LLC HELEN HALTER 23-11-5 210H 40.3598458 -81.0596140 40.3397032 -81.04											-81.1369974
					Drilling						-81.0740336
04/30/2014 HARRISON NORTH 34067213260000 Drilling CHESAPEAKE EXPLORATION LLC YODER 33-12-5 6H 40.4230663 -81.0885174 40.4034878 -81.07		HARRISON	ARCHER	34067213250000	Permitted	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 210H	40.3598458	-81.0596140	40.3397032	-81.0438224
	04/30/2014	HARRISON	NORTH	34067213260000	Drilling	CHESAPEAKE EXPLORATION LLC	YODER 33-12-5 6H	40.4230663	-81.0885174	40.4034878	-81.0788665
		HARRISON	NORTH					40.4230733	-81.0884203	40.4044213	-81.0766705

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05/06/2014	HARRISON	NOTTINGHAM	34067213280000	Permitted	AMERICAN ENERGY UTICA LLC	RH BSA S NTG HR 4H	40.2590983	-81.1530668	40.2438410	-81.1464174
05/06/2014	HARRISON	NOTTINGHAM	34067213290000	Permitted Permitted	AMERICAN ENERGY UTICA LLC	RH BSA S NTG HR 6H	40.2591508	-81.1530908	40.2438610	-81.1423332 -81.1388378
05/06/2014	HARRISON HARRISON	NOTTINGHAM NOTTINGHAM	34067213300000 34067213310000		AMERICAN ENERGY UTICA LLC AMERICAN ENERGY UTICA LLC	RH BSA S NTG HR 8H	40.2592032	-81.1531148	40.2446922 40.2749180	-81.1388378
05/12/2014 05/12/2014	HARRISON	NOTTINGHAM	34067213310000	Permitted Permitted	AMERICAN ENERGY UTICA LLC	RH BSA N NTG HR 5H RH BSA N NTG HR 7H	40.2591167 40.2591691	-81.1532276 -81.1532517	40.2749180	-81.1646158
05/12/2014	HARRISON	NOTTINGHAM	34067213320000		AMERICAN ENERGY UTICA LLC	RH BSA N NTG HR 1H	40.2591691	-81.1532517	40.2739200	-81.1716608
05/12/2014	HARRISON	NOTTINGHAM	34067213330000	Permitted Permitted	AMERICAN ENERGY UTICA LLC	RH BSA N NTG HR 3H	40.2590119	-81.1531832	40.2739160	-81.1693113
05/12/2014	HARRISON	NOTTINGHAM	34067213340000	Permitted	AMERICAN ENERGY UTICA LLC	RH BSA N NTG HR 9H	40.2592215	-81.1532721	40.2769219	-81.1622697
06/09/2014	HARRISON	GERMAN	34067213380000	Drilling	CHESAPEAKE EXPLORATION LLC	MURRAY 5-10-4 6H	40.3635657	-80.8872002	40.3425346	-80.8772393
06/09/2014	HARRISON	GERMAN	34067213380000	Drilling	CHESAPEAKE EXPLORATION LLC	MURRAY 5-10-4 3H	40.3636724	-80.8871725	40.3819176	-80.9023330
06/02/2014	HARRISON	STOCK	34067213400000	Drilling	ECLIPSE RESOURCES I LP	JOHN MILLS WEST UNIT 3H	40.3144070	-81.0869131	40.3336093	-81.1035348
06/02/2014	HARRISON	STOCK	34067213420000	Drilling	ECLIPSE RESOURCES I LP	JOHN MILLS WEST UNIT 1H	40.3143599	-81.0868710	40.3356080	-81.1084792
06/12/2014	HARRISON	CADIZ	34067213430000	Permitted	HESS OHIO DEVELOPMENTS LLC	CADIZ A 2H-23	40.2810824	-81.0645528	40.2644621	-81.0590975
06/12/2014	HARRISON	CADIZ	34067213450000	Permitted	HESS OHIO DEVELOPMENTS LLC	CADIZ A 4H-23	40.2811592	-81.0643325	40.2681546	-81.0482991
06/12/2014	HARRISON	CADIZ	34067213460000	Permitted	HESS OHIO DEVELOPMENTS LLC	CADIZ A 3H-23	40.2811327	-81.0644047	40.2669239	-81.0518987
07/14/2014	HARRISON	NORTH	34067213500000	Permitted	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 4H	40.4311984	-81.1419582	40.4528080	-81.1564740
07/14/2014	HARRISON	NORTH	34067213510000	Permitted	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 3H	40.4311550	-81.1420022	40.4521402	-81.1580435
07/14/2014	HARRISON	NORTH	34067213520000	Permitted	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 2H	40.4311116	-81.1420426	40.4514723	-81.1596129
07/10/2014	HARRISON	NORTH	34067213530000	Permitted	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 1H	40.4310655	-81.1420866	40.4508044	-81.1611823
07/11/2014	HARRISON	NORTH	34067213540000	Permitted	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 201H	40.4309786	-81.1421710	40.4494685	-81.1643210
07/10/2014	HARRISON	NORTH	34067213550000	Permitted	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 101H	40.4310220	-81.1421306	40.4501365	-81.1627517
07/18/2014	HARRISON	NORTH	34067213560000	Permitted	CHESAPEAKE EXPLORATION LLC	R ALAN 3-13-6 1H	40.4168948	-81.1018869	40.4388357	-81.1170338
07/18/2014	HARRISON	NORTH	34067213570000	Permitted	CHESAPEAKE EXPLORATION LLC	R ALAN 3-13-6 2H	40.4169159	-81.1018182	40.4395030	-81.1154642
07/18/2014	HARRISON	NORTH	34067213580000	Permitted	CHESAPEAKE EXPLORATION LLC	R ALAN 3-13-6 3H	40.4169343	-81.1017496	40.4401703	-81.1138946
07/18/2014	HARRISON	NORTH	34067213590000	Permitted	CHESAPEAKE EXPLORATION LLC	R ALAN 3-13-6 4H	40.4169527	-81.1016846	40.4408375	-81.1123250
06/19/2014	HARRISON	STOCK	34067213600000	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 205H	40.3601953	-81.1022426	40.3797049	-81.1109119
06/19/2014	HARRISON	STOCK	34067213610000	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 210H	40.3601634	-81.1023330	40.3413589	-81.0834830
08/01/2012	HOLMES	PRAIRIE	34075255890100	Permitted	DEVON ENERGY PRODUCTION CO	CRILOW FARMS 1H	40.6101700	-81.8795075	40.6227085	-81.8844698
09/11/2012	HOLMES	SALT CREEK	34075255900100	Permitted	DEVON ENERGY PRODUCTION CO	MILLER JOHN 1H	40.6536716	-81.8428981	40.6699222	-81.8486819
10/29/2012	HOLMES	WALNUT CREEK	34075255910000	Permitted	DEVON ENERGY PRODUCTION CO	FEDERRIDGE FARM 1H	40.5735099	-81.6824747	40.5621823	-81.6719676
09/28/2010	JEFFERSON	WAYNE	34081205030000	Producing	HESS OHIO RESOURCES LLC	NAC GAS UNIT B 3H-3	40.3182887	-80.7751319	40.3309908	-80.7826920
06/17/2011	JEFFERSON	WAYNE	34081205040000	Permitted	CNX GAS COMPANY LLC	FRIENDSHIP PARK JEFF2AHSU	40.3019900	-80.8048301	40.2919293	-80.7981088
06/30/2011	JEFFERSON	SALINE	34081205050100	Permitted	ENERVEST OPERATING L	KESSLER UNIT 1-H	40.5613774	-80.7406708	40.5752531	-80.7506910
07/22/2011	JEFFERSON	BRUSH CREEK	34081205070100	Producing	CHESAPEAKE EXPLORATION LLC	BROWN 36-11-3 10H	40.5474344	-80.8569856	40.5365632	-80.8448544
10/17/2011	JEFFERSON	ROSS	34081205080100	Drilled	CHESAPEAKE EXPLORATION LLC	ASUNCION WEST 15-11-3 3H	40.5078899	-80.7926159	40.5235015	-80.8039220
10/17/2011	JEFFERSON	ROSS	34081205090000	Drilled	CHESAPEAKE EXPLORATION LLC	ASUNCION WEST 15-11-3 1H	40.5078550	-80.7926672	40.5219123	-80.8072866
10/24/2011	JEFFERSON	SALEM	34081205100000	Drilled	CHESAPEAKE EXPLORATION LLC	DENOON 5-10-3 5H	40.4414988	-80.7611339	40.4572718	-80.7681943
11/25/2011	JEFFERSON	SPRINGFIELD	34081205120100	Drilled	CHESAPEAKE EXPLORATION LLC	VAHALIK 18-11-4 8H	40.4661381	-80.9092198	40.4518726	-80.8987759
12/14/2011	JEFFERSON	SALEM	34081205130100	Producing	CHESAPEAKE EXPLORATION LLC	DENOON 5-10-3 3H	40.4414446	-80.7611820	40.4557681	-80.7715111
03/28/2012	JEFFERSON	SPRINGFIELD	34081205140000	Producing	CHESAPEAKE EXPLORATION LLC	CAIN 16-12-4 3H	40.5206895	-80.9169597	40.5328051	-80.9257169
11/14/2011	JEFFERSON	ROSS	34081205150000	Drilled	CHESAPEAKE EXPLORATION LLC	ASUNCION WEST 15-11-3 6H	40.5078173	-80.7927221	40.4966496	-80.7891030
11/14/2011	JEFFERSON	ROSS	34081205160000	Permitted	CHESAPEAKE EXPLORATION LLC	ASUNCION WEST 15-11-3 8H	40.5077594	-80.7927020	40.4933988	-80.7821456
11/25/2011	JEFFERSON	SPRINGFIELD	34081205170000	Producing	CHESAPEAKE EXPLORATION LLC	VAHALIK 18-11-4 6H	40.4661882	-80.9092690	40.4504137	-80.9022285
12/28/2011	JEFFERSON	SALEM	34081205180100	Drilled	CHESAPEAKE EXPLORATION LLC	DAILEY 28-10-3 3H	40.4263645	-80.8456190	40.4377879	-80.8543357
02/02/2012	JEFFERSON	SALEM	34081205190000	Drilled	CHESAPEAKE EXPLORATION LLC	KIRK 22-10-3 8H	40.4364968	-80.8142170	40.4181981	-80.8003157
01/25/2012	JEFFERSON	SPRINGFIELD	34081205200000	Producing	CHESAPEAKE EXPLORATION LLC	CAIN SOUTH 16-12-4 8H	40.5205445	-80.9169955	40.5062073	-80.9064712
02/10/2012	JEFFERSON	SALEM	34081205210000	Drilled	CHESAPEAKE EXPLORATION LLC	DAILEY 28-10-3 5H	40.4262622	-80.8455712	40.4381249	-80.8499116
03/15/2012	JEFFERSON	SPRINGFIELD	34081205250000	Permitted	CHESAPEAKE EXPLORATION LLC	CAIN 16-12-4 5H	40.5206344	-80.9169466	40.5366831	-80.9240347
06/27/2012	JEFFERSON	SALEM	34081205260000	Drilled	CHESAPEAKE EXPLORATION LLC	KIRK WEST 22-10-3 6H	40.4364980	-80.8142996	40.4167322	-80.8036504
03/20/2012	JEFFERSON	SPRINGFIELD	34081205270000	Permitted	CHESAPEAKE EXPLORATION LLC	VAHALIK 18-11-4 10H	40.4661871	-80.9091899	40.4533367	-80.8953159
04/30/2012	JEFFERSON	CROSS CREEK	34081205280100	Producing	HESS OHIO RESOURCES LLC	NAC 3H-20	40.3095144	-80.7065299	40.3235122	-80.7146476
05/03/2012	JEFFERSON	ROSS	34081205300000	Permitted	CHESAPEAKE EXPLORATION LLC	MCLAIN 16-11-3 3H	40.5252408	-80.8027228	40.5397083	-80.8130376
05/15/2012	JEFFERSON	ISLAND CREEK	34081205310100	Drilled	CHESAPEAKE EXPLORATION LLC	MAPLE 31-7-2 3H	40.3904077	-80.7517666	40.4047704	-80.7620775
06/07/2012	JEFFERSON	BRUSH CREEK	34081205320000	Permitted	CHESAPEAKE EXPLORATION LLC	BROWN 36-11-3 8H	40.5473552	-80.8568220	40.5301917	-80.8447070
06/28/2012	JEFFERSON	ROSS	34081205330000	Permitted	CHESAPEAKE EXPLORATION LLC	MCLAIN 16-11-3 1H	40.5251891	-80.8027529	40.5383157	-80.8163439
07/16/2012	JEFFERSON	WELLS	34081205350100	Producing	CHESAPEAKE EXPLORATION LLC	ZIMNOX 17-5-2 3H	40.2647600	-80.6857414	40.2775594	-80.6969644
08/23/2012	JEFFERSON	WARREN	34081205360100	Drilled	CHESAPEAKE EXPLORATION LLC	CREAMER 25-5-2 3H	40.2055792	-80.7265511	40.2199935	-80.7368303
08/23/2012	JEFFERSON	SPRINGFIELD	34081205370000	Permitted	CHESAPEAKE EXPLORATION LLC	BOOTH 23-11-4 3H	40.444497	-80.9336508	40.4591644	-80.9432459
10/01/2012	JEFFERSON	SPRINGFIELD	34081205380000	Drilled	CHESAPEAKE EXPLORATION LLC	MCCOY 17-11-4 3H	40.4450065	-80.9210576	40.4597174	-80.9316924
10/01/2012	JEFFERSON	CROSS CREEK	34081205390000	Producing	HESS OHIO RESOURCES LLC	NAC 4H-20	40.3095486	-80.7064322	40.3251002	-80.7112190
10/02/2012	JEFFERSON	SPRINGFIELD	34081205400000	Permitted	CHESAPEAKE EXPLORATION LLC	MCCOY 17-11-4 10H	40.4449070	-80.9210097	40.4316314	-80.9070617
		SPRINGFIELD	34081205410000	Producing	CHESAPEAKE EXPLORATION LLC	BOOTH 23-11-4 6H	40.4443805	-80.9336093	40.4251943	-80.9237290
01/02/2013	JEFFERSON					BROWN 36-11-3 3H	40.5474442	-80.8569062	40.5617756	-80.8676606
01/30/2013	JEFFERSON	BRUSH CREEK	34081205420000	Producing	CHESAPEAKE EXPLORATION LLC					
01/30/2013 05/08/2013	JEFFERSON JEFFERSON	BRUSH CREEK SMITHFIELD	34081205430000	Producing	HESS OHIO RESOURCES LLC	SMITHFIELD A 1H-27	40.2362097	-80.8413634	40.2205116	-80.8172605
01/30/2013 05/08/2013 06/05/2013	JEFFERSON JEFFERSON JEFFERSON	BRUSH CREEK SMITHFIELD SPRINGFIELD	34081205430000 34081205440000	Producing Drilled	HESS OHIO RESOURCES LLC CHESAPEAKE EXPLORATION LLC	SMITHFIELD A 1H-27 CIACCI 22-11-4 1H	40.2362097 40.4353161	-80.8413634 -80.9384785	40.2205116 40.4516857	-80.8172605 -80.9525053
01/30/2013 05/08/2013 06/05/2013 06/05/2013	JEFFERSON JEFFERSON JEFFERSON JEFFERSON	BRUSH CREEK SMITHFIELD SPRINGFIELD SPRINGFIELD	34081205430000 34081205440000 34081205450000	Producing Drilled Drilled	HESS OHIO RESOURCES LLC CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	SMITHFIELD A 1H-27 CIACCI 22-11-4 1H CIACCI 22-11-4 6H	40.2362097 40.4353161 40.4352760	-80.8413634 -80.9384785 -80.9383501	40.2205116 40.4516857 40.4218939	-80.8172605 -80.9525053 -80.9260844
01/30/2013 05/08/2013 06/05/2013	JEFFERSON JEFFERSON JEFFERSON	BRUSH CREEK SMITHFIELD SPRINGFIELD	34081205430000 34081205440000	Producing Drilled	HESS OHIO RESOURCES LLC CHESAPEAKE EXPLORATION LLC	SMITHFIELD A 1H-27 CIACCI 22-11-4 1H	40.2362097 40.4353161	-80.8413634 -80.9384785	40.2205116 40.4516857	-80.8172605 -80.9525053

03/10/2014	IEEEEDSON	ICLAND CDEEN	24001205400000	Drillod	CHESADEANE EXPLORATION ! C	CCHIADDA TRIICT D 20 7 2 2H	140 4063665	100 6002022	140 4240905	T 00 712104E
03/10/2014 07/14/2014	JEFFERSON JEFFERSON	ISLAND CREEK SALEM	34081205490000 34081205500000	Drilled Permitted	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	SCHIAPPA TRUST B 20-7-2 3H KEYSTONE TRUST 34-10-3 3H	40.4063665 40.4303199	-80.6993022 -80.8605951	40.4249805 40.4458513	-80.7121845 -80.8723370
07/09/2014	JEFFERSON	SALEIVI	34081205510000	Permitted	CHESAPEAKE EXPLORATION LLC	CRAWFORD 28-10-3 6H	40.4362875	-80.8411510	40.4137408	-80.8592932
06/06/2014	JEFFERSON	SALEM	34081205530000	Permitted	CHESAPEAKE EXPLORATION LLC	KEYSTONE TRUST 34-10-3 10H	40.4302230	-80.8605364	40.4085874	-80.8412441
02/02/2012	KNOX	MORGAN	34083245540100	Drilled	DEVON ENERGY PRODUCTION CO	SENSIBAUGH 1H	40.2460243	-82.4643842	40.2577310	-82.4631993
02/14/2012	KNOX	MORGAN	34083245550000	Permitted	DEVON ENERGY PRODUCTION CO	HARSTINE TRUST 1H	40.2627267	-82.4164326	40.2726633	-82.4163413
11/21/2013	MAHONING	MILTON	34099231350100	Producing	CHESAPEAKE EXPLORATION LLC	GEATCHES MAH 3H	41.1212229	-80.9272477	41.1224760	-80.9358141
08/04/2011	MAHONING	GOSHEN	34099231590100	Permitted	CHESAPEAKE EXPLORATION LLC	JARVIS 4-17-4 8H	40.9774213	-80.9290650	40.9631590	-80.9182028
08/26/2011	MAHONING	GOSHEN	34099231640100	Permitted	CHESAPEAKE EXPLORATION LLC	HUTCHESON 9-17-4 3H	40.9671870	-80.9335021	40.9790707	-80.9425551
05/17/2012	MAHONING	GOSHEN	34099231650000	Permitted	CHESAPEAKE EXPLORATION LLC	K MARTIG 6-17-4 8H	40.9825114	-80.9585253	40.9681055	-80.9479961
11/08/2011	MAHONING	GOSHEN	34099231700100	Permitted	CHESAPEAKE EXPLORATION LLC	JARVIS 4-17-4 3H	40.9775604	-80.9289929	40.9917603	-80.9399881
11/14/2011	MAHONING	ELLSWORTH	34099231720100	Producing	CNX GAS COMPANY LLC	HENDRICKS MAHN2AHSU	40.9934928	-80.8243909	41.0012032	-80.8288408
11/14/2011	MAHONING	GOSHEN	34099231730000	Permitted	CHESAPEAKE EXPLORATION LLC	JARVIS 4-17-4 6H	40.9774762	-80.9290637	40.9617691	-80.9217416
05/24/2012	MAHONING	GREEN	34099231740100	Permitted	CHESAPEAKE EXPLORATION LLC	MAHAR 7-16-3 3H	40.9636664	-80.8467095	40.9792338	-80.8575386
01/17/2012	MAHONING	GOSHEN	34099231750000	Permitted	CHESAPEAKE EXPLORATION LLC	JEMS FARMS 7-17-4 8H	40.9661205	-80.9684684	40.9565881	-80.9612082
02/14/2012	MAHONING	GOSHEN	34099231760000	Permitted	CHESAPEAKE EXPLORATION LLC	JARVIS 4-17-4 5H	40.9775055	-80.9289942	40.9942742	-80.9373056
06/20/2012	MAHONING	GREEN	34099231800100	Permitted	CHESAPEAKE EXPLORATION LLC	MAHAR 7-16-3 1H	40.9636143	-80.8467181	40.9719798	-80.8574834
06/29/2012	MAHONING	BEAVER	34099231810100	Permitted	CHESAPEAKE EXPLORATION LLC	FALB 30-13-2 8H	40.9170487	-80.7407951	40.9026227	-80.7303238
09/17/2012	MAHONING	JACKSON	34099231820100	Producing	CNX GAS COMPANY LLC	CADLE MAHN7AHSU	41.0743117	-80.8825715	41.0894443	-80.8918375
08/29/2012	MAHONING	JACKSON	34099231840000	Producing	CNX GAS COMPANY LLC	CADLE MAHN7CHSU	41.0743128	-80.8826440	41.0869129	-80.8949687
12/14/2012	MAHONING	POLAND	34099231850100	Drilled	HILCORP ENERGY COMPANY	POLAND-CLL1 1H	41.0127225	-80.5432621	40.9891783	-80.5290245
01/18/2013	MAHONING	POLAND	34099231850200	Producing	HILCORP ENERGY COMPANY	POLAND-CLL1 1AH	41.0127252	-80.5432620	40.9888387	-80.5277883
04/04/2013	MAHONING	JACKSON	34099231880000	Producing	HALCON OPERATING COMPANY INC	DAVIDSON 1H	41.1120575	-80.8972061	41.1256859	-80.9044115
05/09/2013	MAHONING	POLAND	34099231890000	Permitted	HILCORP ENERGY COMPANY	POLAND-CLL1 2H	41.0127225	-80.5432621	40.9891426	-80.5251813
05/09/2013	MAHONING	POLAND	34099231900000	Permitted	HILCORP ENERGY COMPANY	POLAND-CLL1 3H	41.0127271	-80.5433707	40.9868603	-80.5212968
06/17/2013	MAHONING	POLAND	34099231920000	Drilled	HILCORP ENERGY COMPANY	POLAND-CLL2 6H	41.0136407	-80.5365621	40.9906053	-80.5213042
07/02/2013	MAHONING	POLAND	34099231930000	Permitted	HILCORP ENERGY COMPANY	POLAND-CLL1 5H	41.0127263	-80.5434831	41.0222472	-80.5504148
07/02/2013	MAHONING	POLAND	34099231940000	Permitted	HILCORP ENERGY COMPANY	POLAND-CLL1 4H	41.0127253	-80.5434251	41.0222614	-80.5473657
07/02/2013	MAHONING	POLAND	34099231950000	Permitted	HILCORP ENERGY COMPANY	POLAND-CLL1 6H	41.0127299	-80.5435337	41.0218760	-80.5533003
07/17/2013	MAHONING	POLAND	34099231960000	Producing	HILCORP ENERGY COMPANY	POLAND-CLL2 5H	41.0136399	-80.5365114	40.9868987	-80.5212992
07/17/2013	MAHONING	POLAND	34099231970000	Drilled	HILCORP ENERGY COMPANY	POLAND-CLL2 2H	41.0136370	-80.5363448	41.0017357	-80.5213042
07/17/2013	MAHONING	POLAND	34099231980000	Drilled	HILCORP ENERGY COMPANY	POLAND-CLL2 4H	41.0136334	-80.5362941	40.9946102	-80.5212531
07/17/2013	MAHONING	POLAND	34099231990000	Drilled	HILCORP ENERGY COMPANY	POLAND-CLL2 1H	41.0136362	-80.5361382	41.0054339	-80.5213022
07/17/2013	MAHONING	POLAND	34099232000000	Drilled	HILCORP ENERGY COMPANY	POLAND-CLL2 3H	41.0136380	-80.5364027	40.9980155	-80.5213069
10/04/2013	MAHONING	JACKSON	34099232010100	Producing	HALCON OPERATING COMPANY INC	GRENAMYER 1H	41.0906301	-80.8317572	41.0702496	-80.8300959
10/24/2013	MAHONING	JACKSON	34099232020000	Permitted	HALCON OPERATING COMPANY INC	GRENAMYER 2H	41.0905176	-80.8317637	41.0699045	-80.8276852
11/02/2011	MEDINA	HARRISVILLE	34103250370100	Drilled	DEVON ENERGY PRODUCTION CO	RICHMAN FARMS 1H	41.0604449	-82.0375793	41.0471384	-82.0363492
09/14/2011	MONROE	WASHINGTON	34111243020100	Drilled	HG ENERGY LLC	WHITACRE ENTERPRISES INC 701 S-5H	39.6606971	-81.2004257	39.6513519	-81.1819242
12/14/2011	MONROE	WASHINGTON	34111243020200	Drilled	HG ENERGY LLC	WHITACRE ENTERPRISES INC 701 N-5H	39.6606943	-81.2004258	39.6698797	-81.2151586
01/06/2012	MONROE	WASHINGTON	34111243020300	Producing	HG ENERGY LLC	WHITACRE ENTERPRISES INC 701 N-2H	39.6606971	-81.2004257	39.6687159	-81.2151942
04/05/2012	MONROE	WASHINGTON	34111243120000	Producing	HG ENERGY LLC	WHITACRE ENTERPRISES INC 701 S-4H	39.6606263	-81.2004874	39.6465900	-81.1820994
12/14/2011	MONROE	WASHINGTON	34111243130000	Producing	HG ENERGY LLC	WHITACRE ENTERPRISES INC 701 S-6H	39.6607650	-81.2003641	39.6546397	-81.1817769
03/23/2012	MONROE	WASHINGTON	34111243200000	Drilling	HG ENERGY LLC	WHITACRE ENTERPRISES INC 702 N-3H	39.6764306	-81.2009641	39.6840337	-81.2161381
03/23/2012	MONROE	WASHINGTON	34111243210000	Producing	HG ENERGY LLC	WHITACRE ENTERPRISES INC 701 N-1H	39.6606318	-81.2004838	39.6630756	-81.2183886
03/23/2012	MONROE	WASHINGTON	34111243220000	Producing	HG ENERGY LLC	WHITACRE ENTERPRISES INC 701 N-3H	39.6607622	-81.2003606	39.6730361	-81.2150507
04/05/2012	MONROE	WASHINGTON	34111243240000	Drilling	HG ENERGY LLC	WHITACRE ENTERPRISES INC 702 S-6H	39.6763783	-81.2007057	39.6654561	-81.1828373
04/05/2012	MONROE	WASHINGTON	34111243250000	Drilling	HG ENERGY LLC	WHITACRE ENTERPRISES INC 702 S-5H	39.6763871	-81.2007589	39.6632308	-81.1849184
04/05/2012	MONROE	WASHINGTON	34111243260000	Drilling	HG ENERGY LLC	WHITACRE ENTERPRISES INC 702 S-4H	39.6763959	-81.2008084	39.6610054	-81.1869958
04/05/2012	MONROE	WASHINGTON	34111243270000	Drilled	HG ENERGY LLC	WHITACRE ENTERPRISES INC 701 N-7H	39.6605965	-81.2005164	39.6647497	-81.2153169
04/05/2012	MONROE	WASHINGTON	34111243280000	Drilling	HG ENERGY LLC	WHITACRE ENTERPRISES INC 702 N-1H	39.6764102	-81.2008615	39.6765933	-81.2149390
04/05/2012	MONROE	WASHINGTON	34111243290000	Drilled	HG ENERGY LLC	WHITACRE ENTERPRISES INC 702 N-2H	39.6764190	-81.2009110	39.6823484	-81.2191966
04/05/2012	MONROE	WASHINGTON	34111243300000	Producing	HG ENERGY LLC	WHITACRE ENTERPRISES INC 701 S-5H-A	39.6607324	-81.2003931	39.6501409	-81.1819080
05/15/2012	MONROE	SENECA	34111243310100	Producing	ANTERO RESOURCES CORPORATION	ET RUBEL UNIT 1H	39.8328908	-81.3020487	39.8502817	-81.3131653
09/17/2012	MONROE	FRANKLIN	34111243530100	Producing	HALL DRILLING LLC (OIL & GAS)	WOLF PEN 3H	39.7073995	-81.2500708	39.7176285	-81.2594864
07/10/2014	MONROE	WASHINGTON	34111243550000	Permitted	HG ENERGY LLC	HG ENERGY LLC 1 (SWIW #3)	39.6762721	-81.1887409	39.6865490	-81.2141622
12/21/2012	MONROE	GREEN	34111243610100	Producing	ECLIPSE RESOURCES LP	TIPPENS UNIT 6HS	39.6770537	-81.0260224	39.6635381	-81.0112415
05/07/2014	MONROE MONROE	SENECA	34111243620000	Producing	ANTERO RESOURCES CORPORATION	YONTZ UNIT 1H	39.8181835	-81.3042564	39.8050342	-81.2929526
05/07/2014		SENECA	34111243630000	Producing	ANTERO RESOURCES CORPORATION	NORMAN UNIT 1H	39.8182168	-81.3042914	39.8027560	-81.2956759
12/14/2012	MONROE	SWITZERLAND	34111243650100	Drilled	XTO ENERGY INC.	MONROE NORTH UNIT 2H	39.8226549	-80.8505975	39.8369130	-80.8660229
02/25/2013	MONROE	SENECA	34111243690000	Producing	ANTERO RESOURCES CORPORATION	ET RUBEL UNIT 2H	39.8328589	-81.3021490	39.8491878	-81.3165677
02/25/2013	MONROE	SENECA	34111243700000	Producing	ANTERO RESOURCES CORPORATION	ET RUBEL UNIT 3H	39.8328749	-81.3020989	39.8514298	-81.3096871
03/08/2013	MONROE	CENTER	34111243710100	Permitted	XTO ENERGY INC.	MONROE BECK B UNIT 1H	39.7803264	-81.1303353	39.7689759	-81.1165796
09/26/2013	MONROE	LEE	34111243730000	Permitted	TRIAD HUNTER LLC	STALDER UNIT A 1 UH	39.6417883	-80.9274359	39.6500588	-80.9465152
05/07/2014	MONROE	SENECA	34111243740000	Producing	ANTERO RESOURCES CORPORATION	GARY UNIT 2H	39.8182446	-81.3043265	39.8418135	-81.3165898
03/10/2014	MONROE	SENECA	34111243750000	Drilled	ANTERO RESOURCES CORPORATION	GARY UNIT 1H	39.8182751	-81.3043616	39.8393408	-81.3185977
09/26/2013	MONROE	LEE	34111243830000	Permitted	TRIAD HUNTER LLC	STALDER UNIT A 2 UH	39.6418372	-80.9274029	39.6519997	-80.9440034
09/26/2013	MONROE	LEE	34111243840000	Permitted	TRIAD HUNTER LLC	STALDER UNIT A 4 UH	39.6419380	-80.9273402	39.6558812	-80.9389828
06/17/2013	MONROE	LEE	34111243850100	Producing	TRIAD HUNTER LLC	STADLER UNIT A 3 UH	39.6418863	-80.9273734	39.6539405	-80.9414949

04/23/2014	MONROE	LEE	34111243860000	Drilling	TRIAD HUNTER LLC	STADLER UNIT C 6UH	39.6417889	-80.9272761	39.6283694	-80.9118340
04/23/2014	MONROE	LEE	34111243870000	Drilling	TRIAD HUNTER LLC	STADLER UNIT C 5UH	39.6417399	-80.9273092	39.6264292	-80.9143459
04/23/2014	MONROE	LEE	34111243880000	Drilling	TRIAD HUNTER LLC	STALDER UNIT C 8UH	39.6418869	-80.9272135	39.6322495	-80.9068098
04/23/2014	MONROE	LEE	34111243890000	Drilling	TRIAD HUNTER LLC	STADLER UNIT C 7UH	39.6418379	-80.9272466	39.6303095	-80.9093220
09/05/2013	MONROE	LEE	34111244010100	Drilled	ECLIPSE RESOURCES I LP	HERRICK UNIT A 3	39.6456339	-80.9663610	39.6571692	-80.9840216
07/03/2013	MONROE	LEE	34111244030000	Drilled	ECLIPSE RESOURCES I LP	HERRICK UNIT B 5H	39.6456615	-80.9663675	39.6597967	-80.9726217
08/27/2013	MONROE	BETHEL	34111244050000	Drilling	HALL DRILLING LLC (OIL & GAS)	HERCHER SOUTH 1H	39.6746931	-81.2457429	39.6554005	-81.2336718
07/03/2013	MONROE	LEE	34111244060000	Permitted	ECLIPSE RESOURCES I LP	HERRICK UNIT C 6H	39.6456540	-80.9662185	39.6349211	-80.9481837
07/03/2013	MONROE	LEE	34111244070000	Permitted	ECLIPSE RESOURCES I LP	HERRICK UNIT B 7H	39.6456514	-80.9664352	39.6610616	-80.9797096
07/03/2013	MONROE	LEE	34111244080000	Permitted	ECLIPSE RESOURCES I LP	HERRICK UNIT A 1H	39.6456266	-80.9664287	39.6552367	-80.9872427
09/10/2013	MONROE	BETHEL	34111244090000	Producing	HALL DRILLING LLC (OIL & GAS)	HERCHER NORTH 1H	39.6747294	-81.2457991	39.6960846	-81.2666187
08/27/2013	MONROE	BETHEL	34111244110000	Drilling	HALL DRILLING LLC (OIL & GAS)	HERCHER SOUTH 2H	39.6747126	-81.2457710	39.6590750	-81.2332286
05/23/2014	MONROE	SENECA	34111244110000	Drilled	ANTERO RESOURCES CORPORATION	NORMAN UNIT 2H	39.8181529	-81.3042213	39.8052515	-81.2892646
03/10/2014	MONROE	SENECA	34111244130000	Drilled	ANTERO RESOURCES CORPORATION ANTERO RESOURCES CORPORATION	GARY UNIT 3H	39.8183057	-81.3042213	39.8374793	-81.3210545
09/10/2013	MONROE	BETHEL	34111244140100		HALL DRILLING LLC (OIL & GAS)	HERCHER NORTH 2HA	39.6747683	-81.2458481	39.6972230	-81.2641853
08/20/2013	MONROE	SALEM	34111244140100	Producing	ECLIPSE RESOURCES I LP	SHROYER UNIT # 4H 4H	39.7984440	-80.8786149	39.7803937	-80.8660211
	MONROE	SALEM		Drilling			39.7984440	-80.8786149		-80.8660211
09/13/2013	MONROE		34111244150100	Drilling	ECLIPSE RESOURCES I LP	SHROYER UNIT 4H			39.7803937	
09/13/2013		SALEM	34111244160000	Drilling	ECLIPSE RESOURCES I LP	SHROYER UNIT 2H	39.7984843	-80.8787492	39.7773877	-80.8686253
09/16/2013	MONROE	WASHINGTON	34111244170000	Drilled	HG ENERGY LLC	GARY GREEN 703-N-3H	39.6763541	-81.1887145	39.6836059	-81.2007808
06/09/2014	MONROE	SENECA	34111244230000	Drilled	ANTERO RESOURCES CORPORATION	DK CARPENTER UNIT 2 H	39.8266813	-81.2848185	39.8509265	-81.3017953
06/11/2014	MONROE	SENECA	34111244240000	Drilled	ANTERO RESOURCES CORPORATION	DK CARPENTER UNIT 1H	39.8267173	-81.2848499	39.8517295	-81.3051440
06/16/2014	MONROE	SENECA	34111244260000	Drilled	ANTERO RESOURCES CORPORATION	MCDOUGAL UNIT 1H	39.8266120	-81.2847520	39.8502329	-81.2984127
11/04/2013	MONROE	WASHINGTON	34111244270000	Permitted	HG ENERGY LLC	GARY GREEN 703-S-8H	39.6762338	-81.1887523	39.6698876	-81.1721557
11/04/2013	MONROE	WASHINGTON	34111244280000	Drilling	HG ENERGY LLC	GARY GREEN 703-N-2H	39.6763158	-81.1887259	39.6859525	-81.2093687
11/04/2013	MONROE	WASHINGTON	34111244290000	Drilling	HG ENERGY LLC	GARY GREEN 703-N-4H	39.6763952	-81.1887030	39.6836579	-81.1968284
11/04/2013	MONROE	WASHINGTON	34111244300000	Drilling	HG ENERGY LLC	GARY GREEN 703-S-5H	39.6761134	-81.1887901	39.6660035	-81.1773347
11/04/2013	MONROE	WASHINGTON	34111244310000	Drilled	HG ENERGY LLC	GARY GREEN 703-S-6H	39.6761544	-81.1887751	39.6678596	-81.1766067
11/04/2013	MONROE	WASHINGTON	34111244320000	Permitted	HG ENERGY LLC	GARY GREEN 703-S-7H	39.6761954	-81.1887636	39.6689732	-81.1745606
12/06/2013	MONROE	PERRY	34111244370100	Permitted	EM ENERGY OHIO LLC	JAWS 6PPH	39.6365953	-81.0580097	39.6463636	-81.0663815
04/07/2014	MONROE	ОНЮ	34111244400100	Permitted	STATOIL USA ONSHORE PROP INC	EISENBARTH U 4H	39.6976380	-80.8990428	39.6834568	-80.8815894
12/12/2013	MONROE	SENECA	34111244440000	Drilling	ANTERO RESOURCES CORPORATION	FRANKLIN UNIT 3H	39.8328402	-81.3021992	39.8159913	-81.2844105
12/12/2013	MONROE	SENECA	34111244450000	Drilling	ANTERO RESOURCES CORPORATION	FRANKLIN UNIT 2H	39.8328243	-81.3022493	39.8145082	-81.2875443
12/12/2013	MONROE	SENECA	34111244460000	Drilled	ANTERO RESOURCES CORPORATION	FRANKLIN UNIT 1H	39.8328083	-81.3022994	39.8129922	-81.2906822
06/26/2014	MONROE	SENECA	34111244470000	Drilled	ANTERO RESOURCES CORPORATION	MCDOUGAL UNIT 2H	39.8265788	-81.2847277	39.8483129	-81.2940541
02/26/2014	MONROE	SENECA	34111244480000	Drilling	ANTERO RESOURCES CORPORATION	KEYLOR UNIT 2H	39.8490792	-81.2868993	39.8323418	-81.2710489
02/26/2014	MONROE	SENECA	34111244490000	Drilling	ANTERO RESOURCES CORPORATION	KEYLOR UNIT 1H	39.8491178	-81.2869165	39.8310953	-81.2739375
07/14/2014	MONROE	SWITZERLAND	34111244500100	Permitted	CNX GAS COMPANY LLC	BREWSTER SWITZ6AHSM	39.8313803	-80.9139547	39.8454692	-80.9274325
04/11/2014	MONROE	SWITZERLAND	34111244510000	Drilling	CNX GAS COMPANY LLC	BREWSTER SWITZ6BHSU	39.8313313	-80.9139879	39.8453803	-80.9273525
07/14/2014	MONROE	SWITZERLAND	34111244510100	Permitted	CNX GAS COMPANY LLC	BREWSTER SWITZ6HSU	39.8313313	-80.9139879	39.8454692	-80.9274325
02/14/2014	MONROE	SENECA	34111244520000	Drilling	ANTERO RESOURCES CORPORATION	MCDOUGAL UNIT 3H	39.8491564	-81.2869336	39.8297385	-81.2770344
05/02/2014	MONROE	ОНЮ	34111244560000	Drilling	TRIAD HUNTER LLC	ORMET CORP PAD 2 7-15 UH	39.7132164	-80.8579535	39.6992551	-80.8549339
05/02/2014	MONROE	ОНЮ	34111244570000	Drilling	TRIAD HUNTER LLC	ORMET CORP PAD 2 8-15 UH	39.7132582	-80.8579988	39.7003265	-80.8516527
05/02/2014	MONROE	ОНІО	34111244580000	Drilling	TRIAD HUNTER LLC	ORMET CORP PAD 2 9-15 UH	39.7133028	-80.8580439	39.7010385	-80.8482092
05/02/2014	MONROE	OHIO	34111244590000	Drilling	TRIAD HUNTER LLC	ORMET CORP PAD 2 10-15 UH	39.7133446	-80.8580856	39.7015956	-80.8446948
04/30/2014	MONROE	ОНІО	34111244620100	Permitted	STATOIL USA ONSHORE PROP INC	WEFLER N U 1H	39.7387516	-80.9085048	39.7523557	-80.9274846
03/25/2014	MONROE	ОНІО	34111244630100	Permitted	STATOIL USA ONSHORE PROP INC	EISENBARTH U 3H	39.6976189	-80.8990539	39.6834519	-80.8812341
05/01/2014	MONROE	FRANKLIN	34111244670000	Drilling	HALL DRILLING LLC (OIL & GAS)	WEBB SOUTH 3H	39.7073447	-81.2500824	39.6913548	-81.2348636
05/01/2014	MONROE	FRANKLIN	34111244680000	Drilling	HALL DRILLING LLC (OIL & GAS)	WEBB SOUTH 1H	39.7073721	-81.2500784	39.6808009	-81.2336514
05/01/2014	MONROE	FRANKLIN	34111244690000	Permitted	HALL DRILLING LLC (OIL & GAS)	WEBB SOUTH 2H	39.7073173	-81.2500900	39.6878322	-81.2356346
05/23/2014	MONROE	PERRY	34111244710100	Permitted	EM ENERGY OHIO LLC	MOONRAKER 2-PPH	39.6728148	-81.0853795	39.6632927	-81.0705099
06/04/2014	MONROE	CENTER	34111244720100	Permitted	GULFPORT ENERGY CORPORATION	JONES 210068 3A	39.7897383	-81.0591957	39.8036369	-81.0697117
06/03/2014	MONROE	CENTER	34111244730000	Drilling	GULFPORT ENERGY CORPORATION	JONES 210068 2B	39.7896971	-81.0591930	39.8048355	-81.0669177
06/04/2014	MONROE	SUNSBURY	34111244740000	Drilling	GULFPORT ENERGY CORPORATION	WESTHAWK 210209 1D	39.8438742	-81.0319497	39.8324768	-81.0164746
06/04/2014	MONROE	SUNSBURY	34111244760000	Drilling	GULFPORT ENERGY CORPORATION	WESTHAWK 210209 4A	39.8437556	-81.0319024	39.8284568	-81.0257974
06/04/2014	MONROE	SUNSBURY	34111244770000	Drilling	GULFPORT ENERGY CORPORATION	WESTHAWK 210209 2C	39.8438356	-81.0319363	39.8311379	-81.0195835
06/04/2014	MONROE	SUNSBURY	34111244780000	Drilling	GULFPORT ENERGY CORPORATION	WESTHAWK 210209 3B	39.8437970	-81.0319193	39.8297960	-81.0226924
	MONROE	CENTER	34111244790000	Drilling	GULFPORT ENERGY CORPORATION	JONES 210068 1C	39.7896559	-81.0591938	39.8060342	-81.0641270
06/05/2014		SUNSBURY	34111244800000	Permitted	GULFPORT ENERGY CORPORATION	CAMPBELL 210092 4D	39.8370850	-81.0560860	39.8216762	-81.0416825
06/05/2014 06/11/2014	MONROE		1		GULFPORT ENERGY CORPORATION	CAMPBELL 210092 3C	39.8370467	-81.0561010	39.8203393	-81.0447939
06/11/2014	MONROE		34111244810000		TTT. SILL ELECTOR COLL SHATION			1 32.0302020	10-00000	,
06/11/2014 06/11/2014	MONROE MONROE	SUNSBURY	34111244810000 34111244820000	Permitted Permitted	GULFPORT ENERGY CORPORATION	ICAMPBELL 210092 2B	139.8370085	-81.0561196	39.8190051	-81.0479051
06/11/2014 06/11/2014 06/11/2014	MONROE MONROE MONROE	SUNSBURY SUNSBURY	34111244820000	Permitted	GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	CAMPBELL 210092 2B	39.8370085 39.8369675	-81.0561196 -81.0561383	39.8190051 39.8176708	-81.0479051 -81.0510163
06/11/2014 06/11/2014 06/11/2014 06/11/2014	MONROE MONROE MONROE MONROE	SUNSBURY SUNSBURY SUNSBURY	34111244820000 34111244830000	Permitted Drilling	GULFPORT ENERGY CORPORATION	CAMPBELL 210092 1A	39.8369675	-81.0561383	39.8176708	-81.0510163
06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/11/2014	MONROE MONROE MONROE MONROE MONROE	SUNSBURY SUNSBURY SUNSBURY SENECA	34111244820000 34111244830000 34111244840000	Permitted Drilling Permitted	GULFPORT ENERGY CORPORATION ANTERO RESOURCES CORPORATION	CAMPBELL 210092 1A FRANKLIN UNIT 1HA	39.8369675 39.8327923	-81.0561383 -81.3023460	39.8176708 39.8129922	-81.0510163 -81.2906822
06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/13/2014	MONROE MONROE MONROE MONROE MONROE MONROE MONROE	SUNSBURY SUNSBURY SUNSBURY SENECA SUNSBURY	34111244820000 34111244830000 34111244840000 34111244850000	Permitted Drilling Permitted Drilling	GULFPORT ENERGY CORPORATION ANTERO RESOURCES CORPORATION GULFPORT ENERGY CORPORATION	CAMPBELL 210092 1A FRANKLIN UNIT 1HA SHRIVER 210018 1B	39.8369675 39.8327923 39.8404054	-81.0561383 -81.3023460 -81.0468390	39.8176708 39.8129922 39.8244109	-81.0510163 -81.2906822 -81.0353049
06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/13/2014 06/13/2014	MONROE MONROE MONROE MONROE MONROE MONROE MONROE MONROE	SUNSBURY SUNSBURY SUNSBURY SENECA SUNSBURY SUNSBURY SUNSBURY	34111244820000 34111244830000 34111244840000 34111244850000 34111244860000	Permitted Drilling Permitted Drilling Drilling Drilling	GULFPORT ENERGY CORPORATION ANTERO RESOURCES CORPORATION GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	CAMPBELL 210092 1A FRANKLIN UNIT 1HA SHRIVER 210018 1B SHRIVER 210018 2A	39.8369675 39.8327923 39.8404054 39.8404465	-81.0561383 -81.3023460 -81.0468390 -81.0468346	39.8176708 39.8129922 39.8244109 39.8230770	-81.0510163 -81.2906822 -81.0353049 -81.0384165
06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/13/2014 06/13/2014 06/13/2014	MONROE	SUNSBURY SUNSBURY SUNSBURY SENECA SUNSBURY SUNSBURY SUNSBURY SUNSBURY	34111244820000 34111244830000 34111244840000 34111244850000 34111244860000 34111244870000	Permitted Drilling Permitted Drilling Drilling Drilling Drilling	GULFPORT ENERGY CORPORATION ANTERO RESOURCES CORPORATION GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	CAMPBELL 210092 1A FRANKLIN UNIT 1HA SHRIVER 210018 1B SHRIVER 210018 2A SHRIVER 210018 3C	39.8369675 39.8327923 39.8404054 39.8404465 39.8404877	-81.0561383 -81.3023460 -81.0468390 -81.0468346 -81.0468301	39.8176708 39.8129922 39.8244109 39.8230770 39.8257448	-81.0510163 -81.2906822 -81.0353049 -81.0384165 -81.0321931
06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/13/2014 06/13/2014 06/13/2014 06/13/2014	MONROE	SUNSBURY SUNSBURY SUNSBURY SENECA SUNSBURY SUNSBURY SUNSBURY SUNSBURY SUNSBURY	3411124482000 3411124483000 3411124484000 3411124485000 3411124486000 3411124487000 3411124488000	Permitted Drilling Permitted Drilling Drilling Drilling Drilling Drilling	GULFPORT ENERGY CORPORATION ANTERO RESOURCES CORPORATION GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	CAMPBELL 210092 1A FRANKLIN UNIT 1HA SHRIVER 210018 1B SHRIVER 210018 2A SHRIVER 210018 3C SHRIVER 210018 4D	39.8369675 39.8327923 39.8404054 39.8404465 39.8404877 39.8405288	-81.0561383 -81.3023460 -81.0468390 -81.0468346 -81.0468301 -81.0468293	39.8176708 39.8129922 39.8244109 39.8230770 39.8257448 39.8270786	-81.0510163 -81.2906822 -81.0353049 -81.0384165 -81.0321931 -81.0290813
06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/11/2014 06/13/2014 06/13/2014 06/13/2014	MONROE	SUNSBURY SUNSBURY SUNSBURY SENECA SUNSBURY SUNSBURY SUNSBURY SUNSBURY	34111244820000 34111244830000 34111244840000 34111244850000 34111244860000 34111244870000	Permitted Drilling Permitted Drilling Drilling Drilling Drilling	GULFPORT ENERGY CORPORATION ANTERO RESOURCES CORPORATION GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION GULFPORT ENERGY CORPORATION	CAMPBELL 210092 1A FRANKLIN UNIT 1HA SHRIVER 210018 1B SHRIVER 210018 2A SHRIVER 210018 3C	39.8369675 39.8327923 39.8404054 39.8404465 39.8404877	-81.0561383 -81.3023460 -81.0468390 -81.0468346 -81.0468301	39.8176708 39.8129922 39.8244109 39.8230770 39.8257448	-81.0510163 -81.2906822 -81.0353049 -81.0384165 -81.0321931

### SALES AND SA	39.7962645	-81.0431969	39.8084884	-81.0616379
MONDRED MARKED	39.7962638	-81.0431435	39.8099672	-81.0581933
MORRING MORRING MARINE	39.6775416	-81.1701233	39.6641428	-81.1550497
17.57/2013 NORSIAN PATTER 14.11.15.45.85.80.00 Direct Processing Proc	39.7031034	-81.1828977	39.7166418	-81.1995111
INTERFORM MIDSGAM CENTER MISSAGGAMO DRIVE DECEMBER MISSAGGAMO DRIVE MISSAGG	39.6092074	-81.6671074	39.6304517	-81.6704152
1175-7013 MORGON PRIFER MITS SASSISSION DIRECT PRIFER MACADADA DE A PORDONI LE PRIC CARD MICK MACADADA DE A PORDONI DE A P	39.6092374	-81.6670715	39.6287785	-81.6679497
MODIFICIAL MODIFICATION MICES \$111282450300 Permitted MADORING E & PORSIONE LC FREE CROSS PARIOS ALL	39.6092673	-81.6670392	39.6283353	-81.6654697
MORRORIDAD MADRIGUM MPGES \$11198799100 Pouluring MADRIANO F & FORFISHE IC FREE REGIST CH WILLIAM MORRORIDAD MADRIANO F & FORFISHE IC CONCUMENT COLUMN F & FORFISH IC CONCUMENT COLUMN F & FO	39.8011515	-81.7169869	39.8137240	-81.7241646
MATERIAN MORE MORE MATERIAN	39.8215655	-81.7585726	39.8347749	-81.7741178
1972/1970 NORE	40.0634144	-81,9513114	40.0791127	-81,9629437
1973-197011 NOBLE STOCK 1411214440010 Producing CNR GRAC COMPANY LLE PRODUCT SECURISES COMPANTON NOBLE STOCK 1411214440010 Producing APPLIED REQUESTS COMPANTON APPLIED REQU	39.7519767	-81.3428070	39.7424438	-81.3320187
69/23/9922 NOBLE	39.7519767	-81.3428070	39.7427123	-81.3322383
MORTE MORIE MINICA MATCHASHADOON Promoting AMARICA MATCHASHADOON	39.8544530	-81.4535188	39.8386112	-81.4421722
MORIE MORIE MORIE MARCH MARC	39.8544829	-81.4534827	39.8386684	-81.4427269
10/13/2011 OOBLE SIARGON M111214490100 Producing AMARKOS & PORSIONELLC PROC. PROS. DOVE A. 11 11 11 11 11 11 11 1	39.7797589	-81.6569240	39.7916474	-81.6658193
1973-152013 NOBLE BROWNELD S1212345500300 Producing R & CAS DEVILOPMENT LC GURRISTY 31	39.7219372	-81.6100472	39.7342184	-81.6180760
MORRED MORRED MATERIA MATERI	39.6646233	-81.5376218	39.6766372	-81.5465694
MORRED SAMPR	39.7798416	-81.6569621	39.7936550	-81.6632116
MORRE SEAVER 1411124860000 Producing R E GAS DEVELOPMENT LLC NOBEL UNIT IN	39.9462321	-81.2872082	39.9541871	-81.2945391
MORIE SUPFALO MORIE SUPFALO MILITARY MORIE SUPFALO MILITARY MORIE SUPFALO MILITARY MORIE SUPFALO MILITARY MILITAR	39.9461935	-81.2871910	39.9560788	-81.2918701
Section Sect	39.9461549	-81.2871703	39.9367389	-81.2822311
MATERIOR RESOURCES CORPORATION WAYNE UNIT 3H	39.8713781	-81.5201151	39.8503563	-81.5194778
10/39/2012 NOBLE SENICA \$4121248900000 Producing AMTERO RESOURCES CORPORATION WANNE UNIT 3H	39.8481921	-81.3982919	39.8364225	-81.3873032
11/09/2012 NOBLE S.NECA 51/12/14/3900000 Producing AMTERO RESOURCES CORPORATION WAYNE UNIT 2H 11/14/2012 NOBLE ENOCH 51/12/14/3900000 Producing CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSAN UNIT 2/14/2012 NOBLE ENOCH 51/12/14/390000 Producing CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSAN UNIT 2/14/2012 NOBLE ENOCH 51/12/14/390000 Producing CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU UNIT 2/14/2012 NOBLE ENOCH 51/12/14/390000 Producing CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU UNIT 2/14/2012 NOBLE ENOCH 51/12/14/390000 Producing CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU UNIT 2/14/2012 NOBLE ENOCH 51/12/14/390000 Producing CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU UNIT 2/14/2012 NOBLE ENOCH 51/12/14/390000 Producing CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU UNIT 2/14/2012 NOBLE ENOCH 51/12/14/390000 Producing CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU UNIT 2/14/2012 NOBLE ENOCH 51/12/14/390000 Producing AMTERO RESOURCES CORPORATION WAYNE UNIT 2H CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU UNIT 2/14/2012 NOBLE ENOCH 51/12/14/390000 Producing AMTERO RESOURCES CORPORATION WAYNE UNIT 2H CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU UNIT 2/14/2012 NOBLE ENOCH 51/12/14/390000 Producing AMTERO RESOURCES CORPORATION WAYNE UNIT 2H CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU UNIT 2/14/2012 NOBLE ENOCH 51/12/14/4000000 Producing AMTERO RESOURCES CORPORATION DILLION UNIT 2H CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRIJANSU CNG ASC COMPANY LLC RESERVE COAL PROPERTIES CO NRI	39.8680333	-81.4224468	39.8514290	-81.4091473
11/11/2012 NOBLE	39.8680000	-81.4224153	39.8508400	-81.4086970
17/11/2013 NOBLE ENOCH 34121/4391000 Permitted CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL33HSU 17/11/2012 NOBLE ENOCH 34121/43990000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL11HSU 17/13/2012 NOBLE CNX CREEN 34121/43990000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL11HSU 17/13/2013 NOBLE SNRCA 34121/43990000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL11HSU 17/13/2013 NOBLE SNRCA 34121/43990000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL33HSU 17/14/2013 NOBLE SNRCA 34121/44000000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL33HSU 17/14/2013 NOBLE SNRCA 34121/44000000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL33HSU 17/14/2013 NOBLE SNRCA 34121/44000000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL33HSU 17/14/2013 NOBLE SNRCA 34121/44000000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL33HSU 17/14/2013 NOBLE SNRCA 34121/44000000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL33HSU 17/14/2013 NOBLE SNRCA 34121/44000000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL33HSU 17/14/2013 NOBLE SNRCA 34121/44000000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL33HSU 17/14/2013 NOBLE SNRCA 34121/44000000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL33HSU 17/14/2013 NOBLE SNRCA 34121/44000000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL33HSU 17/14/2013 NOBLE SNRCA 34121/44000000 Producing ANTERIO RESOURCES CORPORATION MBLGAS LWIT 18 17/14/2013 NOBLE SNRCA 34121/44100000 Producing ANTERIO RESOURCES CORPORATION MBLGAS LWIT 18 17/14/2013 NOBLE SNRCA 34121/44100000 Producing ANTERIO RESOURCES CORPORATION CNX GAS COMPANY LLC RESERVE COAL PROPERTIES ON MBL38HSU 17/14/2013 NOBLE SNRC	39.8680692	-81.4224748	39.8511565	-81.4132050
17/21/2012 NOBLE NONCH 3412/24399000 Producing CNX GAS COMPANY ILC RESERVE COAL PROPERTIS SO NALLIANSU	39.7215747	-81.5006150	39.7083444	-81.4946054
17/21/2012 NOBLE	39.7377043	-81.4181564	39.7459253	-81.4319775
11/23/2012 NOBLE SENECA 34121245950000 Permitted ANTERO RESOURCES CORPORATION SCHRÖGERE UNIT 14	39.7457344	-81.4142298	39.7588856	-81.4189552
MAJAY/2013 NOBLE	39.7456901	-81.4141879	39.7602245	-81.4251134
04/09/2013 NOBLE	39.8283935	-81.4576065	39.8127966	-81.4499583
17/11/2013 NOBLE ENOCH 341121244090000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBL38HSU	39.8374790	-81.3806162	39.8594508	-81.4029086
12/14/2012 NOBLE SENECA 34121244000000 Producing ANTERO RESOURCES CORPONATION WAYNE UNIT 4H	39.7376509	-81.4180328	39.7516005	-81.4277895
D1/22/2013 NOBLE ENCH 3112/124/030000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NEL12IANSU D1/39/2013 NOBLE ENCOCH 3112/124/050000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NEL12IANSU D1/39/2013 NOBLE SENECA 3112/124/050000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES NEL32IANSU D6/20/2014 NOBLE SENECA 3112/124/050000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 3H D6/20/2014 NOBLE SENECA 3112/124/050000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 2H D6/20/2014 NOBLE SENECA 3112/124/050000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 2H D3/28/2013 NOBLE SENECA 3112/124/10000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 2H D3/28/2013 NOBLE SENECA 3112/124/10000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 2H D3/28/2013 NOBLE SENECA 3112/124/10000 Producing ANTERO RESOURCES CORPORATION COAL UNIT 2H D4/30/2013 NOBLE SENECA 3112/124/10000 Producing ANTERO RESOURCES CORPORATION COAL UNIT 2H D4/30/2013 NOBLE SENECA 3112/124/10000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NELISENSU D5/06/2013 NOBLE SENECA 3112/124/10000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NELISENSU D5/06/2013 NOBLE SENECA 3112/124/10000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CON NELISENSU D5/06/2013 NOBLE SENECA 3112/124/10000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CON NELISENSU D5/06/2013 NOBLE SENECA 3112/14/10000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CON NELISENSU D5/06/2013 NOBLE SENECA 3112/14/10000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CON NELISENSU D5/06/2013 NOBLE SENECA 3112/14/10000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CON NELISENSU D5/06/2013 NOBLE SENECA 3112/14/10000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPER	39.7376762	-81.4180964	39.7504048	-81.4315425
DIJOR/2013 NOBLE BAVER 3412144400000 Producing ANTERO RESOURCES CORPORATION DOLLISON UNIT 1H DIJOR/2014 NOBLE SENCEA 3412144070000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 3H DIFORMATION NOBLE SENECA 3412144070000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 3H DIFORMATION NOBLE SENECA 3412144090000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 3H DIFORMATION NOBLE SENECA 3412144090000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 3H DIFORMATION NOBLE SENECA 3412144090000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 3H DIFORMATION NOBLE SENECA 3412144100000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 3H DIFORMATION NOBLE SENECA 3412144100000 Producing ANTERO RESOURCES CORPORATION COAL UNIT 3H DIFORMATION NOBLE SENECA 3412144100000 Producing ANTERO RESOURCES CORPORATION COAL UNIT 3H DIFORMATION NOBLE SENECA 341214410000 Producing ANTERO RESOURCES CORPORATION COAL UNIT 3H DIFORMATION NOBLE SENECA 341214410000 Producing ANTERO RESOURCES CORPORATION COAL UNIT 3H DIFORMATION NOBLE SENECA 3412144140000 Producing ANTERO RESOURCES CORPORATION COAL UNIT 3H DIFORMATION NOBLE SENECA 3412144140000 Diffied COAL GAS COMPANY LIC RESERVE COAL PROPERTIES CO NELISENSU DIFORMATION NOBLE SENECA 341214410000 Diffied COAL GAS COMPANY LIC RESERVE COAL PROPERTIES CO NELISENSU DIFFIELD NOBLE SENECA 341214410000 Diffied COAL GAS COMPANY LIC RESERVE COAL PROPERTIES CO NELISENSU DIFFIELD NOBLE SENECA 341214410000 Diffied COAL GAS COMPANY LIC RESERVE COAL PROPERTIES CO NELISENSU DIFFIELD NOBLE SENECA 341214410000 Diffied COAL GAS COMPANY LIC RESERVE COAL PROPERTIES CO NELISENSU DIFFIELD NOBLE SENECA 341214410000 Diffied COAL GAS COMPANY LIC RESERVE COAL PROPERTIES CO NELISENSU DIFFIELD NOBLE SENECA 341214410000 DIFFIELD DIFFIELD	39.8679641	-81.4223874	39.8509980	-81.4109172
D1/30/2013 NOBLE ENOCH 34121244050000 Producing CNX GAS COMPANY LLC RESERVE COAL PROPERTIES NB.133AHSUA D6/20/2014 NOBLE SENECA 34121244050000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 3H D6/20/2013 NOBLE SENECA 34121244050000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 1H D6/20/2013 NOBLE SENECA 34121244100000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 2H D6/20/2013 NOBLE SENECA 3412124410000 Producing ANTERO RESOURCES CORPORATION MILEY UNIT 2H D6/20/2013 NOBLE SENECA 3412124410000 Producing ANTERO RESOURCES CORPORATION MILEY UNIT 2H D6/20/2013 NOBLE SENECA 3412124410000 Producing ANTERO RESOURCES CORPORATION COAL UNIT 2H D6/20/2013 NOBLE SENECA 34121244130000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBLI9BHSU D6/20/2013 NOBLE SENECA 34121244130000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBLI9BHSU D6/20/2013 NOBLE SENECA 34121244150000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBLI9BHSU D6/20/2013 NOBLE SENECA 34121244150000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBLIBGHSU D6/20/2013 NOBLE SENECA 34121244150000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBLIBGHSU D6/20/2013 NOBLE SENECA 34121244150000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBLIBGHSU D6/20/2013 NOBLE SENECA 34121244150000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBLIBGHSU D6/20/2013 NOBLE SENECA 34121244150000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBLIBBHSU D6/20/2013 NOBLE SENECA 3412124420000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBLIBBHSU D6/20/2013 NOBLE SENECA 3412124420000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBLIBBHSU D6/20/2013 NOBLE SENECA 34121244200000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO N	39.7457787	-81.4142718	39.7577752	-81.4280822
D6/20/2014 NOBLE SENECA 34121244080000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 3H	39.9081494	-81.3249328	39.9259303	-81.3305443
D6/20/2014 NOBLE SENECA 34121244090000 Producing ANTERO RESOURCES CORPORATION MILLICAN UNIT 1H	39.7377296	-81.4182200	39.7459253	-81.4319775
D6/20/2014 NOBLE SENECA 34121244900000 Producing ANTERO RESOURCES CORPORATION MILLIGAN UNIT 2H	39.8640399	-81.4309804	39.8517625	-81.4181644
D2/22/2013 NOBLE SENECA 34121244100000 Producing ANTERO RESOURCES CORPORATION MILEY UNIT 2H	39.8639604	-81.4309959	39.8460662	-81.4224058
03/28/2013 NOBLE SENECA 34121244110000 Producing ANTERO RESOURCES CORPORATION COAL UNIT 2H	39.8639988	-81.4309882	39.8486088	-81.4200478
ANTERO RESOURCES CORPORATION COAL LINIT 3H	39.8544177	-81.4535621	39.8398754	-81.4392826
O4/30/2013 NOBLE SENECA 34121244130000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBL19BHSU	39.8618671	-81.4411312	39.8407644	-81.4271604
D5/01/2013 NOBLE SENECA 34121244140000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBL19CHSU	39.8618997 39.8374906	-81.4410986 -81.3806872	39.8427130	-81.4243952 -81.4007015
D5/06/2013 NOBLE SENECA 3412144150000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBL18CHSU	39.8374906	-81.3807583	39.8618296 39.8615729	-81.3961670
DS/06/2013 NOBLE SENECA 34121244170000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBLIBAHSU				
05/06/2013 NOBLE SENECA 34121244170000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBL18BHSU 05/06/2013 NOBLE SENECA 34121244180100 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBL18BHSU 05/06/2013 NOBLE SENECA 34121244190000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBL18BHSU 05/23/2013 NOBLE SENECA 34121244230000 Drilled ANTERO RESOURCES CORPORATION VORHIES UNIT 1H 05/23/2013 NOBLE SENECA 3412124420000 Drilled ANTERO RESOURCES CORPORATION VORHIES UNIT 2H 05/23/2013 NOBLE SENECA 34121244270000 Producing ANTERO RESOURCES CORPORATION VORHIES UNIT 2H 06/10/2013 NOBLE SENECA 34121244270000 Producing ANTERO RESOURCES CORPORATION NECHETZ UNIT 2H 06/20/2014 NOBLE SENECA 34121244290000 Producing ANTERO RESOURCES CORPORATION NEUHRART UNIT 3H 06/28/2013 NOBLE SENECA 34121244300000 Producing ANTERO	39.8375042 39.8376036	-81.3930979 -81.3931568	39.8486236 39.8485820	-81.4127459 -81.4079702
NOBLE SENECA 34121244180100 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBL18BHSU	39.8376533	-81.3931845	39.8485820	-81.4060111
DS/23/2013 NOBLE SENECA 34121244190000 Drilled Drilled ANTERO RESOURCES CORPORATION VORHIES UNIT 1H	39.837633	-81.3931845	39.8490441	-81.4050111
05/23/2013 NOBLE SENECA 34121244230000 Drilled ANTERO RESOURCES CORPORATION VORHIES UNIT 1H 05/23/2013 NOBLE SENECA 34121244240000 Drilled ANTERO RESOURCES CORPORATION VORHIES UNIT 2H 05/23/2013 NOBLE SENECA 34121244270000 Producing ANTERO RESOURCES CORPORATION VORHIES UNIT 3H 06/10/2013 NOBLE SENECA 34121244270000 Producing ANTERO RESOURCES CORPORATION SCHEETZ UNIT 2H 06/20/2014 NOBLE SENECA 34121244290000 Producing ANTERO RESOURCES CORPORATION NEUHART UNIT 3H 06/28/2013 NOBLE SENECA 34121244290000 Producing ANTERO RESOURCES CORPORATION NEVHART UNIT 3H 06/28/2013 NOBLE SENECA 34121244310000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 3H 06/28/2013 NOBLE SENECA 34121244320000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 2H 06/28/2013 NOBLE SENECA 34121244330000 Producing ANTERO RESOURCES CORPORATION	39.8377030	-81.3932158	39.8511756	-81.4055217
05/23/2013 NOBLE SENECA 34121244240000 Drilled ANTERO RESOURCES CORPORATION VORHIES UNIT 2H 05/23/2013 NOBLE SENECA 34121244250000 Drilled ANTERO RESOURCES CORPORATION VORHIES UNIT 3H 06/10/2013 NOBLE SENECA 34121244270000 Producing ANTERO RESOURCES CORPORATION SCHECT UNIT 3H 06/02/2014 NOBLE SENECA 34121244290000 Producing ANTERO RESOURCES CORPORATION NEUHART UNIT 3H 06/10/2013 NOBLE SENECA 3412124430000 Producing ANTERO RESOURCES CORPORATION NEUHART UNIT 3H 06/28/2013 NOBLE SENECA 34121244310000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 3H 06/28/2013 NOBLE SENECA 34121244320000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 3H 07/08/2013 NOBLE SENECA 34121244330000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 3H 07/08/2013 NOBLE BEAVER 34121244350000 Drilled ANTERO RESOURCES CORPORATION D	39.8824681	-81.4229466	39.8552126	-81.4074138
05/23/2013 NOBLE SENECA 34121244250000 Drilled ANTERO RESOURCES CORPORATION VORHIES UNIT 3H 06/10/2013 NOBLE SENECA 34121244270000 Producing ANTERO RESOURCES CORPORATION SCHEETZ UNIT 2H 06/02/2014 NOBLE SENECA 34121244280000 Producing ANTERO RESOURCES CORPORATION NEUHART UNIT 3H 06/10/2013 NOBLE SENECA 3412124430000 Producing ANTERO RESOURCES CORPORATION SCHEETZ UNIT 3H 06/28/2013 NOBLE SENECA 34121244310000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 3H 06/28/2013 NOBLE SENECA 34121244320000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 2H 06/28/2013 NOBLE SENECA 34121244330000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 2H 07/08/2013 NOBLE BEAVER 34121244350000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/08/2013 NOBLE BEAVER 34121244360000 Drilled ANTERO RESOURCES CORPORATION <td< td=""><td>39.8824269</td><td>-81.4229473</td><td>39.8595906</td><td>-81.4064153</td></td<>	39.8824269	-81.4229473	39.8595906	-81.4064153
06/10/2013 NOBLE SENECA 34121244270000 Producing ANTERO RESOURCES CORPORATION SCHEETZ UNIT 2H 06/02/2014 NOBLE SENECA 34121244280000 Producing ANTERO RESOURCES CORPORATION NEUHART UNIT 3H 06/10/2013 NOBLE SENECA 34121244290000 Producing ANTERO RESOURCES CORPORATION SCHEETZ UNIT 3H 06/28/2013 NOBLE SENECA 34121244310000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 3H 06/28/2013 NOBLE SENECA 34121244330000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 2H 06/28/2013 NOBLE SENECA 34121244330000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 2H 06/28/2013 NOBLE BEAVER 34121244350000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 2H 07/08/2013 NOBLE BEAVER 34121244360000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/29/2013 NOBLE BEAVER 34121244380000 Prilled ANTERO RESOURCES CORPORATION <	39.8823857	-81.4229479	39.8618210	-81.4038865
06/02/2014 NOBLE SENECA 34121244280000 Producing ANTERO RESOURCES CORPORATION NEUHART UNIT 3H 06/10/2013 NOBLE SENECA 34121244310000 Producing ANTERO RESOURCES CORPORATION SCHEETZ UNIT 3H 06/28/2013 NOBLE SENECA 34121244310000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 3H 06/28/2013 NOBLE SENECA 34121244320000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 2H 06/28/2013 NOBLE SENECA 34121244330000 Producing ANTERO RESOURCES CORPORATION MYRON 1H 07/08/2013 NOBLE BEAVER 34121244350000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 2H 07/08/2013 NOBLE BEAVER 34121244360000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/08/2013 NOBLE BEAVER 34121244370000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/29/2013 NOBLE SENECA 34121244380000 Permitted ANTERO RESOURCES CORPORATION C	39.8681716	-81.4225623	39.8877077	-81.4399502
06/10/2013 NOBLE SENECA 34121244290000 Producing ANTERO RESOURCES CORPORATION SCHEETZ UNIT 3H 06/28/2013 NOBLE SENECA 34121244310000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 3H 06/28/2013 NOBLE SENECA 34121244320000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 2H 06/28/2013 NOBLE SENECA 34121244330000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 2H 07/08/2013 NOBLE BEAVER 34121244350000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 2H 07/08/2013 NOBLE BEAVER 34121244360000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/08/2013 NOBLE BEAVER 34121244370000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/29/2013 NOBLE SENECA 34121244390000 Permitted ANTERO RESOURCES CORPORATION COAL UNIT 1H 07/29/2013 NOBLE SENECA 34121244390000 Permitted ANTERO RESOURCES CORPORATION <td< td=""><td>39.8641577</td><td>-81.4309501</td><td>39.8844484</td><td>-81.4420311</td></td<>	39.8641577	-81.4309501	39.8844484	-81.4420311
06/28/2013 NOBLE SENECA 34121244310000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 3H 06/28/2013 NOBLE SENECA 34121244320000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 2H 06/28/2013 NOBLE SENECA 34121244330000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 2H 07/08/2013 NOBLE BEAVER 34121244350000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 2H 07/08/2013 NOBLE BEAVER 34121244360000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/29/2013 NOBLE BEAVER 34121244370000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/29/2013 NOBLE SENECA 34121244380000 Permitted ANTERO RESOURCES CORPORATION COAL UNIT 1H 07/29/2013 NOBLE SENECA 34121244380000 Permitted ANTERO RESOURCES CORPORATION MILEY UNIT 3H	39.8681356	-81.4225308	39.8892699	-81.4369185
06/28/2013 NOBLE SENECA 34121244320000 Producing ANTERO RESOURCES CORPORATION MYRON UNIT 2H 06/28/2013 NOBLE SENECA 34121244330000 Producing ANTERO RESOURCES CORPORATION MYRON 1H 07/08/2013 NOBLE BEAVER 34121244350000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 2H 07/08/2013 NOBLE BEAVER 34121244360000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/08/2013 NOBLE BEAVER 34121244370000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/29/2013 NOBLE SENECA 34121244380000 Permitted ANTERO RESOURCES CORPORATION COLISON UNIT 1H 07/29/2013 NOBLE SENECA 34121244390000 Permitted ANTERO RESOURCES CORPORATION MILEY UNIT 3H	39.8839835	-81.3931744	39.9055465	-81.3969698
06/28/2013 NOBLE SENECA 34121244330000 Producing ANTERO RESOURCES CORPORATION MYRON 1H 07/08/2013 NOBLE BEAVER 34121244360000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 2H 07/08/2013 NOBLE BEAVER 34121244360000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/08/2013 NOBLE BEAVER 34121244370000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 4H 07/29/2013 NOBLE SENECA 34121244380000 Permitted ANTERO RESOURCES CORPORATION COAL UNIT 1H 07/29/2013 NOBLE SENECA 34121244390000 Permitted ANTERO RESOURCES CORPORATION MILEY UNIT 3H	39.8839509	-81.3932069	39.9134292	-81.4037610
07/08/2013 NOBLE BEAVER 34121244350000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 2H 07/08/2013 NOBLE BEAVER 34121244360000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/08/2013 NOBLE BEAVER 34121244370000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 4H 07/29/2013 NOBLE SENECA 34121244380000 Permitted ANTERO RESOURCES CORPORATION COAL UNIT 1H 07/29/2013 NOBLE SENECA 34121244390000 Permitted ANTERO RESOURCES CORPORATION MILEY UNIT 3H	39.8839154	-81.3932360	39.9149282	-81.4081689
07/08/2013 NOBLE BEAVER 34121244360000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/08/2013 NOBLE BEAVER 34121244370000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 3H 07/29/2013 NOBLE SENECA 34121244380000 Permitted ANTERO RESOURCES CORPORATION COLLISON UNIT 3H 07/29/2013 NOBLE SENECA 34121244380000 Permitted ANTERO RESOURCES CORPORATION MILEY UNIT 3H	39.9135323	-81.3147453	39.9280560	-81.3284154
07/08/2013 NOBLE BEAVER 34121244370000 Drilled ANTERO RESOURCES CORPORATION DOLLISON UNIT 4H 07/29/2013 NOBLE SENECA 34121244380000 Permitted ANTERO RESOURCES CORPORATION COAL UNIT 1H 07/29/2013 NOBLE SENECA 34121244390000 Permitted ANTERO RESOURCES CORPORATION MILEY UNIT 3H	39.9135318	-81.3146919	39.9300346	-81.3261355
07/29/2013 NOBLE SENECA 34121244380000 Permitted ANTERO RESOURCES CORPORATION COAL UNIT 1H 07/29/2013 NOBLE SENECA 34121244390000 Permitted ANTERO RESOURCES CORPORATION MILEY UNIT 3H	39.9135312	-81.3146384	39.9311311	-81.3243268
07/29/2013 NOBLE SENECA 34121244390000 Permitted ANTERO RESOURCES CORPORATION MILEY UNIT 3H	39.8581355	-81.4459542	39.8406104	-81.4307420
	39.8581579	-81.4460002	39.8413255	-81.4366108
05/15/201. PRODUCT OF THE CONTINUE CONT	39.7930578	-81.4172789	39.7775692	-81.4086065
05/16/2014 NOBLE CENTER 34121244420000 Drilled CNX GAS COMPANY LLC RESERVE COAL PROPERTIES CO NBL34CHSU	39.7930489	-81.4172114	39.7774626	-81.4042494
05/10/2014 NOBLE	39.7930428	-81.4172114	39.7804257	-81.4016871

05/16/2014	NOBLE	CENTER	34121244440000	Drilled	CNX GAS COMPANY LLC	DECEDAL COAL DECOUDEDLIES CO NEL 24ALISTI	39.7930667	-81.4173499	39.7776590	-81.4129495
08/19/2013	NOBLE	MARION	34121244440000	Drilled	CNX GAS COMPANY LLC CNX GAS COMPANY LLC	RESERVE COAL PROPERTIES CO NBL34AHSU RESERVE COAL PROPERTIES CO NBL30FHSU	39.8193989	-81.3955753	39.8103608	-81.3837255
08/19/2013	NOBLE	SENECA	34121244490000	Drilled	ANTERO RESOURCES CORPORATION	SCHAFER UNIT 1H	39.8812645	-81.4044674	39.8616111	-81.3894690
	NOBLE			Drilled						-81.3844991
08/19/2013		SENECA	34121244500000	Drilled	ANTERO RESOURCES CORPORATION	SCHAFER UNIT 2H	39.8812944	-81.4044313	39.8605179	
08/23/2013	NOBLE	MARION	34121244530000		CNX GAS COMPANY LLC	RESERVE COAL PROPERTIES CO NBL30DHSU	39.8194888	-81.3954991	39.8038398	-81.3874429
03/17/2014	NOBLE	SENECA	34121244540000	Drilling	ANTERO RESOURCES CORPORATION	FRAKES UNIT 2H	39.8838883	-81.3932685	39.8624236	-81.3773471
03/17/2014	NOBLE	SENECA	34121244550000	Drilling	ANTERO RESOURCES CORPORATION	FRAKES UNIT 1H	39.8838556	-81.3932976	39.8609729	-81.3803950
10/16/2013	NOBLE	CENTER	34121244580000	Permitted	ANTERO RESOURCES CORPORATION	LEACH UNIT 3H	39.8338840	-81.4474146	39.8492844	-81.4554985
10/16/2013	NOBLE	CENTER	34121244590000	Permitted	ANTERO RESOURCES CORPORATION	LEACH UNIT 2H	39.8339091	-81.4474570	39.8493700	-81.4592514
10/16/2013	NOBLE	CENTER	34121244600000	Permitted	ANTERO RESOURCES CORPORATION	LEACH UNIT 1H	39.8339342	-81.4474994	39.8494610	-81.4630113
02/28/2014	NOBLE	MARION	34121244620000	Drilling	ANTERO RESOURCES CORPORATION	GRAVES UNIT 1H	39.8227609	-81.3189253	39.8443051	-81.3367382
02/28/2014	NOBLE	MARION	34121244630000	Drilling	ANTERO RESOURCES CORPORATION	GRAVES UNIT 2H	39.8227358	-81.3188830	39.8448170	-81.3354795
02/28/2014	NOBLE	MARION	34121244640000	Drilling	ANTERO RESOURCES CORPORATION	GRAVES UNIT 3H	39.8227107	-81.3188443	39.8448503	-81.3338655
11/08/2013	NOBLE	SENECA	34121244650000	Drilled	ANTERO RESOURCES CORPORATION	LAW UNIT 1H	39.8798134	-81.4087200	39.8644656	-81.4013190
11/08/2013	NOBLE	SENECA	34121244660000	Drilled	ANTERO RESOURCES CORPORATION	LAW UNIT 2H	39.8798517	-81.4087087	39.8638546	-81.3967757
11/22/2013	NOBLE	MARION	34121244670000	Drilling	ANTERO RESOURCES CORPORATION	SIBERIAN UNIT 3H	39.8226298	-81.3187211	39.8040276	-81.3013385
03/21/2014	NOBLE	STOCK	34121244700100	Permitted	ECLIPSE RESOURCES I LP	DUANE WEISAND UNIT 4H	39.7750718	-81.3237116	39.7553627	-81.3070629
01/23/2014	NOBLE	SENECA	34121244710000	Drilling	ANTERO RESOURCES CORPORATION	NEUHART UNIT 1H	39.8640810	-81.4309691	39.8806095	-81.4477411
01/23/2014	NOBLE	SENECA	34121244720000	Drilling	ANTERO RESOURCES CORPORATION	NEUHART UNIT 2H	39.8641193	-81.4309579	39.8816407	-81.4442547
04/11/2014	NOBLE	SENECA	34121244740000	Drilled	CNX GAS COMPANY LLC	RESERVE COAL PROPERTIES NBL16BHSU	39.8483358	-81.3983929	39.8570925	-81.4055675
03/10/2014	NOBLE	SENECA	34121244750000	Permitted	ANTERO RESOURCES CORPORATION	STOUT UNIT 1H	39.8619324	-81.4410660	39.8833658	-81.4584826
03/10/2014	NOBLE	SENECA	34121244750000	Permitted	ANTERO RESOURCES CORPORATION	STOUT UNIT 2H	39.8619650	-81.4410299	39.8858650	-81.4561039
05/14/2014	NOBLE	MARION	34121244760000	Drilling	ANTERO RESOURCES CORPORATION ANTERO RESOURCES CORPORATION	KAHRIG UNIT 2H	39.8182781	-81.3293760	39.8417982	-81.3425354
05/14/2014	NOBLE	MARION	34121244770000		ANTERO RESOURCES CORPORATION ANTERO RESOURCES CORPORATION	KAHRIG UNIT 1H	39.8183032	-81.3293760	39.8407612	-81.3425354
				Drilling						
05/12/2014	NOBLE	MARION	34121244810000	Drilling	ANTERO RESOURCES CORPORATION	BARTO UNIT 1H	39.8183452	-81.3295030	39.8386815	-81.3494534
05/12/2014	NOBLE	MARION	34121244820000	Drilling	ANTERO RESOURCES CORPORATION	BARTO UNIT 2H	39.8183228	-81.3294607	39.8397213	-81.3471462
05/23/2014	NOBLE	BEAVER	34121244830000	Drilling	ANTERO RESOURCES CORPORATION	MAHONEY UNIT 2H	39.9358832	-81.3163756	39.9075002	-81.3001432
05/27/2014	NOBLE	BEAVER	34121244840000	Drilling	ANTERO RESOURCES CORPORATION	MAHONEY UNIT 1H	39.9358782	-81.3164256	39.9064779	-81.3024637
05/23/2014	NOBLE	BEAVER	34121244850000	Drilling	ANTERO RESOURCES CORPORATION	GRISSOM UNIT 1H	39.9135307	-81.3145849	39.8946770	-81.3042743
05/23/2014	NOBLE	BEAVER	34121244860000	Drilling	ANTERO RESOURCES CORPORATION	GRISSOM UNIT 2H	39.9135302	-81.3145315	39.8953641	-81.3027334
05/23/2014	NOBLE	BEAVER	34121244870000	Drilling	ANTERO RESOURCES CORPORATION	GRISSOM UNIT 3H	39.9135296	-81.3144780	39.8960539	-81.3011889
05/23/2014	NOBLE	BEAVER	34121244880000	Drilling	ANTERO RESOURCES CORPORATION	DIAMOND UNIT 2H	39.9358958	-81.3162684	39.9095695	-81.2955158
05/23/2014	NOBLE	BEAVER	34121244890000	Drilling	ANTERO RESOURCES CORPORATION	DIAMOND UNIT 1H	39.9358881	-81.3163220	39.9085252	-81.2978226
06/26/2014	NOBLE	BEAVER	34121244920000	Permitted	ANTERO RESOURCES CORPORATION	HALLETT UNIT 1H	39.9020605	-81.3313093	39.8855524	-81.3247764
05/14/2014	NOBLE	MARION	34121244930000	Drilling	ANTERO RESOURCES CORPORATION	KAHRIG UNIT 3H	39.8182556	-81.3293301	39.8428379	-81.3402280
05/23/2014	NOBLE	BEAVER	34121244940000	Drilling	ANTERO RESOURCES CORPORATION	GRISSOM UNIT 4H	39.9135291	-81.3144245	39.8967345	-81.2990065
05/23/2014	NOBLE	BEAVER	34121244950000	Drilling	ANTERO RESOURCES CORPORATION	DIAMOND UNIT 3H	39.9359008	-81.3162148	39.9106138	-81.2932090
06/02/2014	NOBLE	BEAVER	34121244960000	Drilling	ANTERO RESOURCES CORPORATION	CARL UNIT 1H	39.9079956	-81.3249318	39.9281460	-81.3424563
06/02/2014	NOBLE	BEAVER	34121244970000	Drilling	ANTERO RESOURCES CORPORATION	CARL UNIT 2H	39.9079544	-81.3249290	39.9280822	-81.3390627
06/02/2014	NOBLE	BEAVER	34121244980000	Drilling	ANTERO RESOURCES CORPORATION	CARL UNIT 3H	39.9080781	-81.3249376	39.9280193	-81.3357617
06/02/2014	NOBLE	BEAVER	34121244990000	Drilling	ANTERO RESOURCES CORPORATION	ERVIN UNIT 1H	39.9079132	-81.3249261	39.8899345	-81.3149835
06/02/2014	NOBLE	BEAVER	34121245000000	Drilling	ANTERO RESOURCES CORPORATION	ERVIN UNIT 2H	39.9078720	-81.3249232	39.8909598	-81.3126673
06/02/2014	NOBLE	BEAVER	34121245020000	Drilling	ANTERO RESOURCES CORPORATION	ERVIN UNIT 3H	39.9078308	-81.3249204	39.8919823	-81.3103474
06/02/2014	NOBLE	BEAVER	34121245030000	Drilling	ANTERO RESOURCES CORPORATION	ERVIN UNIT 4H	39.9077896	-81.3249175	39.8930048	-81.3080275
06/05/2014	NOBLE	BEAVER	34121245050000	Permitted	ANTERO RESOURCES CORPORATION ANTERO RESOURCES CORPORATION	BRUCE UNIT 1H	39.9021272	-81.3311157	39.9223328	-81.3482046
06/05/2014	NOBLE	BEAVER	34121245060000	Permitted	ANTERO RESOURCES CORPORATION	BRUCE UNIT 2H	39.9021432	-81.3310655	39.9233698	-81.3458911
06/05/2014	NOBLE	BEAVER	34121245070000	Permitted	ANTERO RESOURCES CORPORATION	BRUCE UNIT 3H	39.9021592	-81.3310153	39.9244067	-81.3435776
06/06/2014	NOBLE	STOCK	34121245080000	Permitted	CNX GAS COMPANY LLC	GUREWICZ NBL36CHSU	39.7580884	-81.3921467	39.7462364	-81.3749612
06/06/2014	NOBLE	STOCK	34121245090000	Permitted	CNX GAS COMPANY LLC	GUREWICZ NBL36BHSU	39.7580361	-81.3921297	39.7354670	-81.3697192
06/06/2014	NOBLE	STOCK	34121245100000	Permitted	CNX GAS COMPANY LLC	GUREWICZ NBL36AHSU	39.7579812	-81.3921377	39.7307288	-81.3697925
06/26/2014	NOBLE	BEAVER	34121245110000	Permitted	ANTERO RESOURCES CORPORATION	HALLETT UNIT 2H	39.9020793	-81.3312626	39.8865890	-81.3224674
06/26/2014	NOBLE	BEAVER	34121245120000	Permitted	ANTERO RESOURCES CORPORATION	HALLETT UNIT 3H	39.9020952	-81.3312125	39.8876256	-81.3201619
06/26/2014	NOBLE	BEAVER	34121245130000	Permitted	ANTERO RESOURCES CORPORATION	HALLETT UNIT 4H	39.9021112	-81.3311623	39.8886621	-81.3178527
06/24/2011	PORTAGE	SUFFIELD	34133244140100	Permitted	CHESAPEAKE EXPLORATION LLC	HOSEY POR 6H	40.9949721	-81.3367762	40.9744525	-81.3251455
08/09/2011	PORTAGE	PALMYRA	34133244170100	Permitted	CHESAPEAKE EXPLORATION LLC	HILLEGAS POR 6H	41.1212462	-81.0652370	41.1076574	-81.0632280
11/21/2013	PORTAGE	SUFFIELD	34133244200100	Drilled	CHESAPEAKE EXPLORATION LLC	HOSEY POR 6H-X	40.9949447	-81.3367767	40.9744525	-81.3251455
11/02/2011	PORTAGE	FREEDOM	34133244230100	Drilled	CHESAPEAKE EXPLORATION LLC	MURVAY POR 8H	41.2196006	-81.1702585	41.2110887	-81.1660176
04/24/2012	PORTAGE	PALMYRA	34133244280100	Permitted	CHESAPEAKE EXPLORATION LLC	HILLEGAS POR 1H	41.1211647	-81.0653077	41.1314032	-81.0776431
02/14/2012	PORTAGE	ROOTSTOWN	34133244300100	Producing	CNX GAS COMPANY LLC	ASHER PORT2AHSU	41.1029922	-81.2567818	41.0906261	-81.2469357
03/07/2012	PORTAGE	FREEDOM	34133244310000	Permitted	CHESAPEAKE EXPLORATION LLC	MURVAY POR 3H	41.2196630	-81.1704354	41.2339855	-81.1808765
07/13/2012	PORTAGE	HIRAM	34133244390000	Permitted	MOUNTAINEER KEYSTONE LLC	BROOKOVER 17-05-07 201	41.3217826	-81.1279002	41.3383907	-81.1342438
07/13/2012	PORTAGE	WINDHAM	34133244390000		MOUNTAINEER KEYSTONE LLC	SOINSKI 99-04-06 201	41.2699502	-81.0280679	41.2590294	-81.0200438
07/26/2012	PORTAGE	WINDHAM		Producing				-81.0280679	41.2590294	
U1/20/2U12	PURTAGE		34133244410000 34133244430000	Producing	MOUNTAINEER KEYSTONE LLC	SOINSKI 99-04-06 202	41.2700052			-81.0155209
	DODTAGE			Drilling	MOUNTAINEER KEYSTONE LLC	SOINSKI 211-214 213	41.2762243	-81.0131803	41.2926687	-81.0250737
12/27/2012	PORTAGE	NELSON			MACHINITAINIEED VEVETONES	COINCW 244 244 242		04.0424.000	44 2052500	04 0220075
12/27/2012 12/27/2012	PORTAGE	NELSON	34133244440000	Drilled	MOUNTAINEER KEYSTONE LLC	SOINSKI 211-214 212	41.2762762	-81.0131609	41.2952503	-81.0238875
12/27/2012 12/27/2012 09/17/2012	PORTAGE PORTAGE	NELSON NELSON	34133244440000 34133244450100	Drilled Drilled	MOUNTAINEER KEYSTONE LLC	SOINSKI 211-214 214	41.2762762 41.2763242	-81.0132581	41.2915505	-81.0273734
12/27/2012 12/27/2012	PORTAGE	NELSON	34133244440000	Drilled			41.2762762			

11/25/2011 07/28/2011	STARK STARK	MARLBORO OSNABURG	34151257350000 34151257470100	Producing Producing	ENERVEST OPERATING L CHESAPEAKE EXPLORATION LLC	FRANK UNIT 2-H DREVON 29-18-7 8H	40.9494315 40.7406092	-81.1892723 -81.2833152	40.9324368 40.7260472	-81.1766220 -81.2726167
11/08/2011	STARK	WASHINGTON	34151257670100		CHESAPEAKE EXPLORATION LLC	PARADISE VALLEY FARMS 17-18-6 8H	40.8688456	-81.1667266	40.7200472	-81.1561374
	STARK			Drilled Drilled	CHESAPEAKE EXPLORATION LLC					-81.4442183
11/16/2011 05/17/2012	STARK	BETHLEHEM SANDY	34151257680100 34151257730000	Permitted	CHESAPEAKE EXPLORATION LLC CHESAPEAKE EXPLORATION LLC	SOEHNLEN 2-9-9 8H COLT 6-17-7 8H	40.7295289 40.7226566	-81.4537305 -81.3127182	40.7166385 40.7083094	-81.4442183
03/19/2012	STARK	PARIS	34151257740100	Drilled	CHESAPEAKE EXPLORATION LLC	RONALD SMITH 3-17-6 3H	40.7220300	-81.1336481	40.8139800	-81.1426074
02/14/2012	STARK	OSNABURG	34151257760000	Permitted	CHESAPEAKE EXPLORATION LLC	DREVON 29-18-7 6H	40.7405153	-81.2832700	40.7262124	-81.2772864
02/27/2012	STARK	LEXINGTON	34151257780000	Permitted	CHESAPEAKE EXPLORATION LLC	KELLER 21-19-6 5H	40.9363130	-81.1567369	40.9521369	-81.1641021
03/23/2012	STARK	BETHLEHEM	34151257790100	Drilled	ENERVEST OPERATING L	HABRUN 5H	40.6625295	-81.5005189	40.6467417	-81.4888673
03/19/2012	STARK	PARIS	34151257800000	Permitted	CHESAPEAKE EXPLORATION LLC	RONALD SMITH 3-17-6 1H	40.8017927	-81.1337174	40.8129178	-81.1461157
05/23/2012	STARK	PARIS	34151257800000	Drilled	CHESAPEAKE EXPLORATION LLC	FERNANDEZ 24-17-6 3H	40.7658878	-81.0959870	40.7765938	-81.1038167
05/22/2012	STARK	MARLBORO	34151258010000	Permitted	CHESAPEAKE EXPLORATION LLC	GRESSINGER 3-20-7 8H	40.9871366	-81.2399394	40.9744059	-81.2305625
07/23/2012	STARK	PIKE	34151258090000	Permitted	ENERVEST OPERATING L	SOEHNLEN 1H	40.6759309	-81.3865038	40.6897043	-81.3979714
06/21/2012	TRUMBULL	VIENNA	34155240560100	Permitted	CNX GAS COMPANY LLC	WOLLMAN TRUM3AHSU	41.2324574	-80.6258407	41.2484065	-80.6308426
11/02/2012	TRUMBULL	HARTFORD	34155240570100	Producing	HALCON OPERATING COMPANY INC	BRUGLER 1H	41.3478145	-80.5538053	41.3374781	-80.5440183
02/01/2013	TRUMBULL	LORDSTOWN	34155240640100	Producing	HALCON OPERATING COMPANY INC	KIBLER 1H	41.1762269	-80.8124630	41.1931539	-80.8237568
03/20/2013	TRUMBULL	JOHNSTON	34155240660100	Producing	BP AMERICA PRODUCTION COMPANY	LENNINGTON 1H	41.3549216	-80.6584488	41.3687690	-80.6669556
04/29/2013	TRUMBULL	HARTFORD	34155240680000	Producing	BP AMERICA PRODUCTION COMPANY	BUCKEYE 1H	41.3142807	-80.5849060	41.3274435	-80.5889946
05/08/2013	TRUMBULL	MECCA	34155240690100	Producing	BRAMMER ENGINEERING INC	MORRISON 1H	41.3898399	-80.8088332	41.3762425	-80.8025834
04/29/2013	TRUMBULL	VIENNA	34155240700100	Producing	HALCON OPERATING COMPANY INC	AVALON 1H	41.2408556	-80.7002641	41.2633573	-80.7017660
08/09/2013	TRUMBULL	VERNON	34155240710000	Drilled	BRAMMER ENGINEERING INC	DUNBAR 1H	41.4082967	-80.5891316	41.3886279	-80.5762532
06/20/2014	TRUMBULL	WARREN	34155240720000	Drilling	HALCON OPERATING COMPANY INC	LUTZ 1H	41.2139723	-80.8975211	41.1966323	-80.8916956
06/28/2013	TRUMBULL	MECCA	34155240730000	Producing	BP AMERICA PRODUCTION COMPANY	ZEROVICH 1H	41.4119533	-80.7317310	41.3978033	-80.7228414
07/10/2014	TRUMBULL	JOHNSTON	34155240770000	Producing	BP AMERICA PRODUCTION COMPANY	JEWETT 1H	41.4132495	-80.6733822	41.4315535	-80.6883636
09/24/2013	TRUMBULL	LORDSTOWN	34155240800000	Producing	HALCON OPERATING COMPANY INC	KIBLER 2-3H	41.1762275	-80.8123177	41.1968464	-80.8132068
10/11/2013	TRUMBULL	LORDSTOWN	34155240810000	Permitted	HALCON OPERATING COMPANY INC	KIBLER 2-1H	41.1763384	-80.8123875	41.1968647	-80.8197336
10/11/2013	TRUMBULL	LORDSTOWN	34155240820000	Permitted	HALCON OPERATING COMPANY INC	KIBLER 2-2H	41.1762254	-80.8121724	41.1968557	-80.8164811
.1/01/2013	TRUMBULL	LORDSTOWN	34155240830000	Permitted	HALCON OPERATING COMPANY INC	KIBLER 1-2H	41.1762374	-80.8122447	41.1946030	-80.8277031
07/22/2011	TUSCARAWAS	WARREN	34157254830100	Producing	CHESAPEAKE EXPLORATION LLC	GRIBI 1-9-1 3H	40.5733427	-81.3283402	40.5864851	-81.3416687
10/19/2011	TUSCARAWAS	AUBURN	34157254850100	Producing	CNX GAS COMPANY LLC	TROYER TUSC3AHSU	40.4421179	-81.6594372	40.4295112	-81.6499911
11/22/2011	TUSCARAWAS	WAYNE	34157254900100	Permitted	CHESAPEAKE EXPLORATION LLC	KATE 4-10-4 8H	40.6168379	-81.6489857	40.6024924	-81.6383652
04/03/2014	TUSCARAWAS	CLAY	34157254940000	Permitted	ENERVEST OPERATING L	NETTLE 3H	40.2952958	-81.4361778	40.3096573	-81.4467060
04/13/2012	TUSCARAWAS	WARREN	34157254950000	Permitted	CHESAPEAKE EXPLORATION LLC	MIZER 29-15-7 1H	40.5405070	-81.3033821	40.5534068	-81.3173765
04/17/2012	TUSCARAWAS	PERRY	34157254960100	Permitted	CHESAPEAKE EXPLORATION LLC	DUTCH VALLEY 7-5-1 1H	40.2632236	-81.3957182	40.2761071	-81.4100236
05/22/2012	TUSCARAWAS	WARREN	34157254970000	Permitted	CHESAPEAKE EXPLORATION LLC	G MIZER 34-15-7 5H	40.5288040	-81.3088774	40.5446044	-81.3159209
10/11/2012	TUSCARAWAS	BUCKS	34157254990100	Producing	CNX GAS COMPANY LLC	BEACHY TUSC8AHSU	40.4294288	-81.6735271	40.4485517	-81.6870189
11/09/2012	TUSCARAWAS	BUCKS	34157255000100	Permitted	CNX GAS COMPANY LLC	HARTZLER TUSC7CHSU	40.4251875	-81.6577435	40.4421570	-81.6640138
08/06/2012	TUSCARAWAS	MILL	34157255010100	Permitted	SIERRA RESOURCES LLC	KLESKI 21-13-7 1H	40.3338156	-81.2877573	40.3520493	-81.2929408
10/11/2012	TUSCARAWAS	BUCKS	34157255020000	Permitted	CNX GAS COMPANY LLC	BEACHY TUSC8BHSU	40.4294448	-81.6734586	40.4425503	-81.6781067
03/04/2013	TUSCARAWAS	CLAY	34157255030100	Permitted	CNX GAS COMPANY LLC	MOLLET TUSC11AHSU	40.3169978	-81.4931587	40.3248670	-81.4974048
11/09/2012	TUSCARAWAS	BUCKS	34157255040000	Permitted	CNX GAS COMPANY LLC	HARTZLER TUSC7BHSU	40.4251355	-81.6577585	40.4422896	-81.6686395
11/09/2012	TUSCARAWAS	BUCKS	34157255050000	Permitted	CNX GAS COMPANY LLC	HARTZLER TUSC7AHSU	40.4250807	-81.6577735	40.4422138	-81.6733254
11/05/2013	TUSCARAWAS	PERRY	34157255080000	Drilled	CHESAPEAKE EXPLORATION LLC	PARKER 23-5-1 3H	40.2161506	-81.3932337	40.2292866	-81.4026394
04/03/2014	TUSCARAWAS	CLAY	34157255100000	Permitted	ENERVEST OPERATING L	NETTLE 5H	40.2952730	-81.4360850	40.3104767	-81.4429926
06/04/2014	TUSCARAWAS	CLAY	34157255120000	Permitted	ENERVEST OPERATING L	TROYER 9H	40.3284752	-81.4851308	40.3145953	-81.4749426
04/24/2013	WASHINGTON	AURELIUS	34167297200100	Producing	TRIAD HUNTER LLC	FARLEY 1305H	39.6189417	-81.4193253	39.6364464	-81.4334747
04/30/2013	WASHINGTON	ADAMS	34167297210100	Producing	PDC ENERGY INC	GARVIN 1H	39.5627842	-81.5070819	39.5758069	-81.5070778
04/24/2013	WASHINGTON	AURELIUS	34167297230000	Producing	TRIAD HUNTER LLC	FARLEY 1304H	39.6188974	-81.4192834	39.6364078	-81.4292568
04/24/2013	WASHINGTON	AURELIUS	34167297240000	Drilled	TRIAD HUNTER LLC	FARLEY 1306H	39.6188558	-81.4192414	39.6364433	-81.4376613
01/08/2014	WASHINGTON	AURELIUS	34167297240100	Drilled	TRIAD HUNTER LLC	FARLEY 1306 AH	39.6188558	-81.4192414	39.6345462	-81.4361669
05/28/2013	WASHINGTON	WATERFORD	34167297250000	Producing	PDC ENERGY INC	NEILL 1-H	39.5323372	-81.6770323	39.5455479	-81.6917674
08/23/2013	WASHINGTON	ADAMS	34167297290000	Producing	PDC ENERGY INC	GARVIN 2H	39.5628220	-81.5070104	39.5764010	-81.5097799
11/29/2013	WASHINGTON	ADAMS	34167297300000	Producing	PDC ENERGY INC	GARVIN 3H	39.5628220	-81.5070104	39.5829747	-81.5127630
05/30/2014	WASHINGTON	SALEM	34167297320100	Permitted	EM ENERGY OHIO LLC	MERLIN 10PPH	39.5449832	-81.4010773	39.5596823	-81.4220966
.0/08/2013	WASHINGTON	WATERFORD	34167297330000	Permitted	PDC ENERGY INC	NEILL 2H	39.5322542	-81.6769482	39.5417283	-81.6929001
06/02/2014	WASHINGTON	SALEM	34167297430100	Permitted	EM ENERGY OHIO LLC	MERLIN 8PPH	39.5450214	-81.4010555	39.5590616	-81.4158634
06/11/2012	WAYNE	EAST UNION	34169256690100	Producing	DEVON ENERGY PRODUCTION CO	HERSHBERGER 1H	40.7291477	-81.8366410	40.7442629	-81.8397090
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