



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil								Southwest Designated Oil								Non-Heavy Oil other than Southwest Designated											
		Heavy	Southwest Designated	Other Non-Heavy																												
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil			
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X		
Sept.	2015	162	210	276	0.0841	2.10	20.81	1561	20.46	472	26.48	611	0.1045	2.61	25.85	1939	31.57	729	38.54	890	0.1209	3.02	29.91	2243	36.08	833	40.79	941	52.61	1214		
Aug.	2015	198	232	273	0.1003	2.51	24.81	1861	22.65	523	27.58	637	0.1110	2.77	27.46	2060	32.89	759	39.20	905	0.1203	3.01	29.77	2233	35.98	830	40.74	940	52.55	1213		
July	2015	317	339	365	0.1276	3.19	31.59	2369	26.35	608	29.42	679	0.1306	3.26	32.32	2424	36.87	851	41.19	951	0.1336	3.34	33.07	2480	38.38	886	41.94	968	54.05	1247		
June	2015	356	384	413	0.1326	3.32	32.82	2462	27.02	624	29.76	687	0.1356	3.39	33.55	2516	37.88	874	41.69	962	0.1382	3.45	34.20	2565	39.20	905	42.35	977	54.57	1259		
May	2015	305	348	382	0.1258	3.15	31.14	2336	26.11	603	29.30	676	0.1317	3.29	32.59	2444	37.09	856	41.30	953	0.1354	3.38	33.50	2513	38.69	893	42.10	972	54.25	1252		
Apr.	2015	250	297	338	0.1154	2.89	28.57	2143	24.70	570	28.60	660	0.1246	3.11	30.83	2312	35.65	823	40.58	937	0.1304	3.26	32.28	2421	37.81	873	41.65	961	53.69	1239		
Mar.	2015	221	262	292	0.1078	2.70	26.69	2002	23.68	547	28.09	648	0.1181	2.95	29.22	2192	34.34	793	39.92	921	0.1237	3.09	30.62	2297	36.60	845	41.05	947	52.93	1222		
Feb.	2015	239	276	302	0.1128	2.82	27.91	2093	24.34	562	28.42	656	0.1209	3.02	29.91	2243	34.90	805	40.20	928	0.1254	3.13	31.03	2327	36.89	851	41.20	951	53.12	1226		
Jan.	2015	181	223	262	0.0934	2.34	23.12	1734	21.73	502	27.11	626	0.1085	2.71	26.84	2013	32.38	747	38.94	899	0.1181	2.95	29.22	2192	35.58	821	40.54	936	52.30	1207		
Dec.	2014	268	306	322	0.1193	2.98	29.53	2215	25.22	582	28.86	666	0.1260	3.15	31.18	2339	35.94	829	40.72	940	0.1283	3.21	31.76	2382	37.43	864	41.46	957	53.45	1234		
Nov.	2014	404	440	464	0.1374	3.44	34.01	2551	27.67	639	30.09	694	0.1403	3.51	34.73	2605	38.85	897	42.18	974	0.1420	3.55	35.15	2636	39.90	921	42.70	986	55.00	1269		
Oct.	2014	452	490	524	0.1412	3.53	34.95	2621	28.19	651	30.34	700	0.1437	3.59	35.56	2667	39.53	912	42.52	981	0.1456	3.64	36.04	2703	40.54	936	43.02	993	55.40	1279		
Sept.	2014	469	504	547	0.1424	3.56	35.24	2643	28.34	654	30.42	702	0.1445	3.61	35.76	2682	39.70	916	42.60	983	0.1468	3.67	36.32	2724	40.75	941	43.12	995	55.53	1282		
Aug.	2014	458	494	553	0.1416	3.54	35.05	2629	28.24	652	30.37	701	0.1439	3.60	35.62	2672	39.58	914	42.54	982	0.1470	3.68	36.39	2729	40.80	942	43.15	996	55.56	1282		
July	2014	512	544	598	0.1450	3.62	35.88	2691	28.69	662	30.60	706	0.1466	3.67	36.29	2722	40.12	926	42.81	988	0.1490	3.73	36.88	2766	41.15	950	43.33	1000	55.78	1287		
June	2014	535	574	635	0.1462	3.65	36.18	2714	28.86	666	30.68	708	0.1480	3.70	36.63	2747	40.40	932	42.95	991	0.1504	3.76	37.23	2792	41.41	956	43.45	1003	55.94	1291		
May	2014	503	554	625	0.1445	3.61	35.75	2681	28.62	661	30.56	705	0.1471	3.68	36.40	2730	40.22	928	42.86	989	0.1501	3.75	37.14	2786	41.34	954	43.42	1002	55.90	1290		
Apr.	2014	481	538	597	0.1432	3.58	35.43	2657	28.45	657	30.47	703	0.1463	3.66	36.21	2716	40.06	925	42.78	987	0.1490	3.72	36.87	2765	41.14	950	43.32	1000	55.78	1287		
Mar.	2014	484	545	608	0.1433	3.58	35.47	2660	28.47	657	30.49	704	0.1467	3.67	36.30	2723	40.13	926	42.82	988	0.1494	3.74	36.98	2774	41.22	951	43.36	1001	55.83	1289		
Feb.	2014	495	559	627	0.1440	3.60	35.64	2673	28.56	659	30.53	705	0.1473	3.68	36.46	2735	40.27	929	42.88	990	0.1501	3.75	37.15	2786	41.35	954	43.43	1002	55.91	1290		
Jan.	2014	369	446	522	0.1340	3.35	33.17	2488	27.22	628	29.86	689	0.1408	3.52	34.84	2613	38.94	899	42.22	974	0.1455	3.64	36.01	2701	40.52	935	43.01	993	55.39	1278		
Dec.	2013	303	388	477	0.1255	3.14	31.06	2330	26.06	601	29.28	676	0.1360	3.40	33.65	2524	37.96	876	41.73	963	0.1429	3.57	35.36	2652	40.05	924	42.77	987	55.09	1271		
Nov.	2013	345	405	475	0.1313	3.28	32.50	2438	26.85	620	29.67	685	0.1375	3.44	34.03	2552	38.28	884	41.89	967	0.1428	3.57	35.33	2650	40.03	924	42.76	987	55.08	1271		
Oct.	2013	424	474	548	0.1391	3.48	34.43	2582	27.90	644	30.20	697	0.1427	3.57	35.32	2649	39.33	908	42.41	979	0.1468	3.67	36.33	2725	40.76	941	43.13	995	55.53	1282		
Sept.	2013	493	532	605	0.1439	3.60	35.61	2671	28.54	659	30.52	704	0.1460	3.65	36.14	2711	40.00	923	42.75	987	0.1493	3.73	36.95	2771	41.20	951	43.35	1001	55.81	1288		
Aug.	2013	556	582	630	0.1472	3.68	36.43	2732	28.99	669	30.75	710	0.1483	3.71	36.71	2753	40.47	934	42.99	992	0.1502	3.76	37.18	2789	41.37	955	43.44	1003	55.92	1291		
July	2013	548	577	632	0.1468	3.67	36.33	2725	28.94	668	30.72	709	0.1481	3.70	36.66	2750	40.43	933	42.97	992	0.1503	3.76	37.20	2790	41.39	955	43.44	1003	55.93	1291		
June	2013	431	473	545	0.1396	3.49	34.56	2592	27.98	646	30.24	698	0.1426	3.57	35.30	2648	39.32	908	42.41	979	0.1467	3.67	36.30	2723	40.73	940	43.11	995	55.52	1281		
May	2013	455	398	538	0.1414	3.54	35.00	2625	28.21	651	30.36	701	0.1369	3.42	33.88	2541	38.15	881	41.83	965	0.1463	3.66	36.21	2716	40.67	939	43.08	994	55.48	1280		
Apr.	2013	351	422	510	0.1321	3.30	32.68	2451	26.94	622	29.72	686	0.1390	3.47	34.39	2579	38.57	890	42.03	970	0.1449	3.62	35.85	2689	40.40	932	42.95	991	55.31	1277		
Mar.	2013	331	410	498	0.1295	3.24	32.06	2405	26.61	614	29.55	682	0.1380	3.45	34.14	2561	38.37	886	41.93	968	0.1442	3.60	35.68	2676	40.28	930	42.89	990	55.24	1275		
Feb.	2013	254	351	484	0.1163	2.91	28.79	2159	24.82	573	28.66	661	0.1321	3.30	32.68	2451	37.17	858	41.33	954	0.1433	3.58	35.47	2660	40.13	926	42.81	988	55.14	1273		
Jan.	2013	279	368	492	0.1214	3.04	30.05	2254	25.51	589	29.01	670	0.1340	3.35	33.15	2486	37.55	867	41.53	959	0.1438	3.59	35.59	2669	40.22	928	42.86	989	55.20	1274		
Dec.	2012	259	340	413	0.1174	2.94	29.06	2180	24.97	576	28.74	663	0.1307	3.27	32.35	2426	36.90	852	41.20	951	0.1382	3.45	34.20	2565	39.20	905	42.35	977	54.57	1259		
Nov.	2012	397	435	495	0.1368	3.42	33.86	2540	27.59	637	30.04	693	0.1400	3.50	34.64	2598	38.78	895	42.14	973	0.1440	3.60	35.64	2673	40.25	929	42.87	989	55.22	1274		
Oct.	2012	444	476	532	0.1407	3.52	34.81	2611	28.11	649	30.30	699	0.1428	3.57	35.35	2651	39.36	908	42.43	979	0.1460	3.65	36.14	2711	40.61	937	43.06	994	55.45	1280		
Sept.	2012	425	461	523	0.1392	3.48	34.45	2584	27.91	644	30.21	697	0.1418	3.55	35.10	2633	39.16	904	42.33	977	0.1455	3.64	36.02	2702	4							



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		Heavy	Southwest Designated	Other Non-Heavy																												
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil			
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X		
Oct.	2011	433	472	525	0.1398	3.49	34.60	2595	28.00	646	30.25	698	0.1426	3.56	35.28	2646	39.30	907	42.40	979	0.1457	3.64	36.05	2704	40.55	936	43.02	993	55.40	1279		
Sept.	2011	395	431	516	0.1366	3.42	33.81	2536	27.56	636	30.03	693	0.1396	3.49	34.56	2592	38.71	893	42.11	972	0.1452	3.63	35.93	2695	40.46	934	42.98	992	55.35	1277		
Aug.	2011	352	388	484	0.1322	3.30	32.71	2453	26.96	622	29.73	686	0.1360	3.40	33.65	2524	37.96	876	41.73	963	0.1433	3.58	35.47	2660	40.13	926	42.81	988	55.14	1273		
July	2011	408	448	537	0.1378	3.44	34.10	2558	27.72	640	30.11	695	0.1409	3.52	34.88	2616	38.97	899	42.24	975	0.1463	3.66	36.20	2715	40.66	938	43.08	994	55.47	1280		
June	2011	423	467	555	0.1390	3.48	34.41	2581	27.89	644	30.20	697	0.1422	3.56	35.20	2640	39.24	906	42.37	978	0.1472	3.68	36.42	2732	40.82	942	43.16	996	55.57	1283		
May	2011	456	503	586	0.1415	3.54	35.02	2627	28.22	651	30.36	701	0.1445	3.61	35.75	2681	39.68	916	42.59	983	0.1485	3.71	36.76	2757	41.06	948	43.28	999	55.73	1286		
Apr.	2011	454	524	619	0.1413	3.53	34.98	2624	28.20	651	30.35	700	0.1456	3.64	36.04	2703	39.92	921	42.71	986	0.1498	3.75	37.08	2781	41.30	953	43.40	1002	55.87	1289		
Mar.	2011	407	471	557	0.1377	3.44	34.08	2556	27.71	640	30.10	695	0.1425	3.56	35.27	2645	39.29	907	42.39	978	0.1472	3.68	36.44	2733	40.83	942	43.17	996	55.58	1283		
Feb.	2011	317	381	466	0.1276	3.19	31.59	2369	26.35	608	29.42	679	0.1353	3.38	33.48	2511	37.82	873	41.66	962	0.1422	3.55	35.19	2639	39.92	921	42.71	986	55.01	1270		
Jan.	2011	382	429	486	0.1354	3.38	33.50	2513	27.40	632	29.95	691	0.1395	3.49	34.53	2590	38.68	893	42.09	971	0.1434	3.59	35.50	2663	40.15	927	42.83	989	55.16	1273		
Dec.	2010	411	464	507	0.1380	3.45	34.16	2562	27.76	641	30.13	695	0.1420	3.55	35.15	2636	39.20	905	42.35	977	0.1447	3.62	35.81	2686	40.37	932	42.94	991	55.29	1276		
Nov.	2010	397	432	476	0.1368	3.42	33.86	2540	27.59	637	30.04	693	0.1397	3.49	34.58	2594	38.73	894	42.11	972	0.1428	3.57	35.35	2651	40.04	924	42.77	987	55.09	1271		
Oct.	2010	315	352	413	0.1273	3.18	31.51	2363	26.31	607	29.40	679	0.1322	3.30	32.71	2453	37.19	858	41.35	954	0.1382	3.45	34.20	2565	39.20	905	42.35	977	54.57	1259		
Sept.	2010	306	345	423	0.1260	3.15	31.18	2339	26.13	603	29.31	676	0.1313	3.28	32.50	2438	37.02	854	41.26	952	0.1390	3.48	34.41	2581	39.35	908	42.43	979	54.66	1262		
Aug.	2010	352	391	449	0.1322	3.30	32.71	2453	26.96	622	29.73	686	0.1363	3.41	33.72	2529	38.02	878	41.76	964	0.1410	3.53	34.90	2618	39.71	917	42.60	983	54.88	1267		
July	2010	371	403	445	0.1342	3.36	33.22	2492	27.24	629	29.87	689	0.1373	3.43	33.99	2549	38.24	883	41.87	966	0.1407	3.52	34.83	2612	39.66	915	42.58	983	54.85	1266		
June	2010	356	391	431	0.1326	3.32	32.82	2462	27.02	624	29.76	687	0.1363	3.41	33.72	2529	38.02	878	41.76	964	0.1396	3.49	34.56	2592	39.47	911	42.48	980	54.73	1263		
May	2010	312	360	414	0.1269	3.17	31.40	2355	26.25	606	29.38	678	0.1331	3.33	32.93	2470	37.38	863	41.44	956	0.1383	3.46	34.22	2567	39.22	905	42.36	978	54.57	1259		
Apr.	2010	404	441	485	0.1374	3.44	34.01	2551	27.67	639	30.09	694	0.1404	3.51	34.75	2606	38.87	897	42.18	974	0.1434	3.58	35.49	2662	40.14	926	42.82	988	55.15	1273		
Mar.	2010	408	448	482	0.1378	3.44	34.10	2558	27.72	640	30.11	695	0.1409	3.52	34.88	2616	38.97	899	42.24	975	0.1432	3.58	35.44	2658	40.11	926	42.80	988	55.13	1272		
Feb.	2010	401	440	472	0.1371	3.43	33.94	2546	27.64	638	30.07	694	0.1403	3.51	34.73	2605	38.85	897	42.18	974	0.1426	3.56	35.28	2646	39.99	923	42.75	987	55.06	1271		
Jan.	2010	403	444	470	0.1373	3.43	33.99	2549	27.66	638	30.08	694	0.1407	3.52	34.81	2611	38.91	898	42.21	974	0.1424	3.56	35.25	2644	39.97	923	42.73	986	55.04	1270		
Dec.	2009	370	401	437	0.1342	3.35	33.20	2490	27.23	628	29.86	689	0.1371	3.43	33.94	2546	38.21	882	41.85	966	0.1401	3.50	34.68	2601	39.55	913	42.53	982	54.78	1264		
Nov.	2009	398	424	461	0.1369	3.42	33.88	2541	27.60	637	30.05	694	0.1391	3.48	34.43	2582	38.60	891	42.05	971	0.1418	3.55	35.10	2633	39.86	920	42.68	985	54.98	1269		
Oct.	2009	401	423	454	0.1371	3.43	33.94	2546	27.64	638	30.07	694	0.1390	3.48	34.41	2581	38.59	891	42.04	970	0.1413	3.53	34.98	2624	39.77	918	42.64	984	54.92	1268		
Sept.	2009	371	394	423	0.1342	3.36	33.22	2492	27.24	629	29.87	689	0.1365	3.41	33.79	2534	38.08	879	41.79	965	0.1390	3.48	34.41	2581	39.35	908	42.43	979	54.66	1262		
Aug.	2009	380	403	432	0.1352	3.38	33.45	2509	27.37	632	29.93	691	0.1373	3.43	33.99	2549	38.24	883	41.87	966	0.1397	3.49	34.58	2594	39.48	911	42.49	981	54.74	1263		
July	2009	352	369	405	0.1322	3.30	32.71	2453	26.96	622	29.73	686	0.1340	3.35	33.17	2488	37.57	867	41.54	959	0.1375	3.44	34.03	2552	39.08	902	42.29	976	54.49	1258		
June	2009	401	418	448	0.1371	3.43	33.94	2546	27.64	638	30.07	694	0.1386	3.47	34.31	2573	38.50	889	42.00	969	0.1409	3.52	34.88	2616	39.70	916	42.60	983	54.87	1266		
May	2009	338	357	381	0.1304	3.26	32.28	2421	26.73	617	29.62	684	0.1327	3.32	32.85	2464	37.31	861	41.40	956	0.1353	3.38	33.48	2511	38.68	893	42.09	971	54.23	1252		
Apr.	2009	294	317	344	0.1241	3.10	30.70	2303	25.87	597	29.18	673	0.1276	3.19	31.59	2369	36.27	837	40.89	944	0.1312	3.28	32.47	2435	37.94	876	41.72	963	53.78	1241		
Mar.	2009	277	310	343	0.1211	3.03	29.96	2247	25.46	588	28.98	669	0.1266	3.16	31.33	2350	36.06	832	40.78	941	0.1311	3.28	32.44	2433	37.92	875	41.71	963	53.76	1241		
Feb.	2009	200	243	267	0.1010	2.53	25.00	1875	22.75	525	27.63	638	0.1137	2.84	28.15	2111	33.46	772	39.48	911	0.1191	2.98	29.48	2211	35.76	825	40.63	938	52.41	1210		
Jan.	2009	168	222	249	0.0872	2.18	21.59	1619	20.89	482	26.70	616	0.1081	2.70	26.76	2007	32.32	746	38.91	898	0.1152	2.88	28.51	2138	35.06	809	40.28	930	51.97	1199		
Dec.	2008	116	171	213																												



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		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Nov.	2007	334	397	490	0.1299	3.25	32.16	2412	26.66	615	29.58	683	0.1368	3.42	33.86	2540	38.13	880	41.82	965	0.1437	3.59	35.56	2667	40.19	928	42.85	989	55.18	1274
Oct.	2007	271	347	422	0.1199	3.00	29.67	2225	25.30	584	28.90	667	0.1316	3.29	32.56	2442	37.07	856	41.29	953	0.1390	3.47	34.39	2579	39.34	908	42.42	979	54.65	1261
Sep.	2007	272	335	421	0.1201	3.00	29.72	2229	25.33	585	28.92	667	0.1301	3.25	32.19	2414	36.77	849	41.13	949	0.1389	3.47	34.37	2578	39.32	908	42.41	979	54.64	1261
Aug.	2007	294	347	433	0.1241	3.10	30.70	2303	25.87	597	29.18	673	0.1316	3.29	32.56	2442	37.07	856	41.29	953	0.1398	3.49	34.60	2595	39.50	912	42.50	981	54.75	1264
July	2007	270	334	439	0.1197	2.99	29.62	2222	25.28	583	28.89	667	0.1299	3.25	32.16	2412	36.74	848	41.12	949	0.1403	3.51	34.72	2604	39.58	914	42.54	982	54.80	1265
June	2007	254	310	396	0.1163	2.91	28.79	2159	24.82	573	28.66	661	0.1266	3.16	31.33	2350	36.06	832	40.78	941	0.1367	3.42	33.83	2537	38.93	899	42.22	974	54.40	1256
May	2007	253	315	387	0.1161	2.90	28.74	2156	24.79	572	28.65	661	0.1273	3.18	31.51	2363	36.21	836	40.86	943	0.1358	3.40	33.62	2522	38.78	895	42.14	973	54.30	1253
Apr.	2007	237	306	386	0.1123	2.81	27.78	2084	24.27	560	28.39	655	0.1260	3.15	31.18	2339	35.94	829	40.72	940	0.1358	3.39	33.60	2520	38.76	895	42.13	972	54.29	1253
Mar.	2007	279	340	384	0.1214	3.04	30.05	2254	25.51	589	29.01	670	0.1307	3.27	32.35	2426	36.90	852	41.20	951	0.1356	3.39	33.55	2516	38.73	894	42.11	972	54.27	1253
Feb	2007	250	297	366	0.1154	2.89	28.57	2143	24.70	570	28.60	660	0.1246	3.11	30.83	2312	35.65	823	40.58	937	0.1337	3.34	33.09	2482	38.40	886	41.95	968	54.06	1248
Jan.	2007	196	247	329	0.0995	2.49	24.63	1847	22.55	520	27.53	635	0.1147	2.87	28.39	2129	33.66	777	39.58	914	0.1293	3.23	32.00	2400	37.60	868	41.55	959	53.56	1236
Dec.	2006	238	293	366	0.1125	2.81	27.85	2089	24.31	561	28.40	655	0.1239	3.10	30.66	2300	35.52	820	40.51	935	0.1337	3.34	33.09	2482	38.40	886	41.95	968	54.06	1248
Nov.	2006	215	255	331	0.1060	2.65	26.24	1968	23.43	541	27.97	646	0.1166	2.91	28.85	2164	34.03	785	39.76	918	0.1295	3.24	32.06	2405	37.65	869	41.57	959	53.59	1237
Oct.	2006	202	245	329	0.1017	2.54	25.17	1888	22.85	527	27.67	639	0.1142	2.86	28.27	2120	33.56	775	39.53	912	0.1293	3.23	32.00	2400	37.60	868	41.55	959	53.56	1236
Sep.	2006	240	285	368	0.1130	2.83	27.97	2098	24.38	563	28.44	656	0.1225	3.06	30.32	2274	35.24	813	40.37	932	0.1340	3.35	33.15	2486	38.43	887	41.97	969	54.08	1248
Aug.	2006	350	388	440	0.1319	3.30	32.65	2449	26.93	622	29.71	686	0.1360	3.40	33.65	2524	37.96	876	41.73	963	0.1403	3.51	34.73	2605	39.59	914	42.55	982	54.81	1265
July	2006	355	405	464	0.1325	3.31	32.79	2459	27.01	623	29.75	687	0.1375	3.44	34.03	2552	38.28	884	41.89	967	0.1420	3.55	35.15	2636	39.90	921	42.70	986	55.00	1269
June	2006	292	357	425	0.1237	3.09	30.62	2297	25.82	596	29.16	673	0.1327	3.32	32.85	2464	37.31	861	41.40	956	0.1392	3.48	34.45	2584	39.38	909	42.44	980	54.68	1262
May	2006	336	393	439	0.1302	3.25	32.22	2417	26.70	616	29.60	683	0.1364	3.41	33.76	2532	38.06	878	41.78	964	0.1403	3.51	34.72	2604	39.58	914	42.54	982	54.80	1265
Apr.	2006	288	354	407	0.1230	3.08	30.45	2284	25.73	594	29.11	672	0.1324	3.31	32.76	2457	37.24	859	41.37	955	0.1377	3.44	34.08	2556	39.11	903	42.31	977	54.51	1258
Mar.	2006	176	250	342	0.0912	2.28	22.56	1692	21.42	494	26.96	622	0.1154	2.89	28.57	2143	33.80	780	39.65	915	0.1310	3.27	32.41	2431	37.90	875	41.70	962	53.75	1241
Feb.	2006	123	195	326	0.0558	1.40	13.82	1037	16.65	384	24.57	567	0.0992	2.48	24.54	1841	30.50	704	38.00	877	0.1289	3.22	31.90	2393	37.52	866	41.51	958	53.52	1235
Jan.	2006	210	272	358	0.1045	2.61	25.85	1939	23.21	536	27.86	643	0.1201	3.00	29.72	2229	34.75	802	40.12	926	0.1329	3.32	32.88	2466	38.24	883	41.87	966	53.96	1245
Dec.	2005	156	232	325	0.0807	2.02	19.96	1497	20.00	462	26.25	606	0.1110	2.77	27.46	2060	32.89	759	39.20	905	0.1287	3.22	31.86	2390	37.50	866	41.50	958	53.50	1235
Nov.	2005	177	250	346	0.0916	2.29	22.67	1700	21.48	496	26.99	623	0.1154	2.89	28.57	2143	33.80	780	39.65	915	0.1314	3.29	32.53	2440	37.99	877	41.74	963	53.80	1242
Oct.	2005	243	307	388	0.1137	2.84	28.15	2111	24.48	565	28.49	658	0.1262	3.15	31.22	2342	35.97	830	40.74	940	0.1360	3.40	33.65	2524	38.80	896	42.15	973	54.31	1253
Sep.	2005	243	300	399	0.1137	2.84	28.15	2111	24.48	565	28.49	658	0.1251	3.13	30.95	2321	35.75	825	40.63	938	0.1370	3.42	33.90	2543	38.98	900	42.24	975	54.43	1256
Aug.	2005	297	370	429	0.1246	3.11	30.83	2312	25.93	598	29.22	674	0.1342	3.35	33.20	2490	37.59	868	41.55	959	0.1395	3.49	34.53	2590	39.44	910	42.47	980	54.71	1263
July	2005	297	354	402	0.1246	3.11	30.83	2312	25.93	598	29.22	674	0.1324	3.31	32.76	2457	37.24	859	41.37	955	0.1373	3.43	33.97	2548	39.03	901	42.27	976	54.46	1257
June	2005	246	308	376	0.1145	2.86	28.33	2125	24.57	567	28.54	659	0.1263	3.16	31.26	2345	36.00	831	40.75	941	0.1348	3.37	33.35	2501	38.59	891	42.04	970	54.18	1250
May	2005	140	206	301	0.0701	1.75	17.34	1301	18.57	429	25.54	589	0.1031	2.58	25.52	1914	31.30	722	38.40	886	0.1252	3.13	30.99	2324	36.86	851	41.18	950	53.10	1226
Apr.	2005	153	222	329	0.0788	1.97	19.51	1463	19.75	456	26.13	603	0.1081	2.70	26.76	2007	32.32	746	38.91	898	0.1293	3.23	32.00	2400	37.60	868	41.55	959	53.56	1236
Mar.	2005	179	246	344	0.0925	2.31	22.90	1718	21.61	499	27.05	624	0.1145	2.86	28.33	2125	33.61	776	39.55	913	0.1312	3.28	32.47	2435	37.94	876	41.72	963	53.78	1241
Feb.	2005	119	204	305	0.0519	1.30	12.84	963	16.11	372	24.31	561	0.1024	2.56	25.35	1901	31.16	719	38.33	885	0.1258	3.15	31.14	2336	36.98	853	41.24	952	53.17	1227
Jan.	2005	148	217	287	0.0756	1.89	18.72	1404	19.32	446	25.91	598	0.1066	2.67	26.39	1979	32.02	739	38.76	895	0.1229	3.07	30.41	2281	36.44	841	40.97	946	52.84	1220



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil								Southwest Designated Oil								Non-Heavy Oil other than Southwest Designated											
		Heavy	Southwest Designated	Other Non-Heavy																												
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil			
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X		
Dec.	2004	82	149	234	0.0289	0.72	7.14	536	13.00	300	20.61	476	0.0763	1.91	18.88	1416	25.87	597	35.68	823	0.1115	2.79	27.59	2069	34.39	794	39.94	922	51.56	1190		
Nov.	2004	154	208	278	0.0794	1.99	19.66	1475	19.84	458	26.17	604	0.1038	2.59	25.68	1926	31.44	726	38.47	888	0.1212	3.03	30.00	2250	36.15	834	40.82	942	52.65	1215		
Oct.	2004	248	292	350	0.1150	2.87	28.45	2134	24.64	569	28.57	659	0.1237	3.09	30.62	2297	35.48	819	40.49	935	0.1319	3.30	32.65	2449	38.07	879	41.79	965	53.86	1243		
Sep.	2004	208	245	310	0.1038	2.59	25.68	1926	23.13	534	27.81	642	0.1142	2.86	28.27	2120	33.56	775	39.53	912	0.1266	3.16	31.33	2350	37.11	856	41.31	953	53.26	1229		
Aug.	2004	235	269	320	0.1117	2.79	27.65	2074	24.20	559	28.35	654	0.1195	2.99	29.57	2218	34.63	799	40.06	925	0.1281	3.20	31.69	2377	37.38	863	41.44	956	53.42	1233		
July	2004	222	253	294	0.1081	2.70	26.76	2007	23.72	547	28.11	649	0.1161	2.90	28.74	2156	33.94	783	39.72	917	0.1241	3.10	30.70	2303	36.66	846	41.08	948	52.97	1223		
June	2004	190	230	277	0.0972	2.43	24.06	1805	22.24	513	27.37	632	0.1104	2.76	27.32	2049	32.78	757	39.14	903	0.1211	3.03	29.96	2247	36.11	833	40.81	942	52.63	1215		
May	2004	194	238	290	0.0988	2.47	24.44	1833	22.45	518	27.47	634	0.1125	2.81	27.85	2089	33.21	766	39.36	908	0.1234	3.08	30.54	2291	36.53	843	41.02	947	52.90	1221		
Apr.	2004	151	202	259	0.0776	1.94	19.20	1440	19.59	452	26.04	601	0.1017	2.54	25.17	1888	31.02	716	38.26	883	0.1174	2.94	29.06	2180	35.46	818	40.48	934	52.23	1205		
Mar.	2004	165	211	259	0.0857	2.14	21.21	1591	20.68	477	26.59	614	0.1048	2.62	25.93	1945	31.64	730	38.57	890	0.1174	2.94	29.06	2180	35.46	818	40.48	934	52.23	1205		
Feb.	2004	166	209	247	0.0862	2.16	21.34	1601	20.75	479	26.63	615	0.1041	2.60	25.76	1932	31.50	727	38.50	889	0.1147	2.87	28.39	2129	34.97	807	40.24	929	51.92	1198		
Jan.	2004	162	203	239	0.0841	2.10	20.81	1561	20.46	472	26.48	611	0.1021	2.55	25.26	1895	31.09	718	38.30	884	0.1128	2.82	27.91	2093	34.62	799	40.06	925	51.70	1193		
Dec.	2003	139	185	221	0.0693	1.73	17.16	1287	18.47	426	25.49	588	0.0952	2.38	23.55	1766	29.69	685	37.59	868	0.1078	2.70	26.69	2002	33.74	779	39.62	914	51.15	1181		
Nov.	2003	120	159	208	0.0529	1.32	13.09	982	16.25	375	24.38	563	0.0824	2.06	20.39	1529	27.10	625	36.30	838	0.1038	2.59	25.68	1926	33.00	762	39.25	906	50.69	1170		
Oct.	2003	138	170	204	0.0686	1.71	16.97	1273	18.37	424	25.43	587	0.0882	2.21	21.84	1638	28.29	653	36.90	852	0.1024	2.56	25.35	1901	32.75	756	39.13	903	50.53	1166		
Sep.	2003	139	165	198	0.0693	1.73	17.16	1287	18.47	426	25.49	588	0.0857	2.14	21.21	1591	27.77	641	36.64	846	0.1003	2.51	24.81	1861	32.37	747	38.93	899	50.29	1161		
Aug.	2003	172	202	235	0.0893	2.23	22.09	1657	21.16	488	26.83	619	0.1017	2.54	25.17	1888	31.02	716	38.26	883	0.1117	2.79	27.65	2074	34.44	795	39.97	923	51.59	1191		
July	2003	159	190	225	0.0824	2.06	20.39	1529	20.24	467	26.37	609	0.0972	2.43	24.06	1805	30.11	695	37.80	872	0.1090	2.73	26.98	2024	33.94	783	39.72	917	51.28	1184		
June	2003	173	203	224	0.0897	2.24	22.21	1666	21.23	490	26.86	620	0.1021	2.55	25.26	1895	31.09	718	38.30	884	0.1087	2.72	26.91	2018	33.89	782	39.70	916	51.25	1183		
May	2003	157	190	207	0.0812	2.03	20.10	1508	20.08	463	26.29	607	0.0972	2.43	24.06	1805	30.11	695	37.80	872	0.1034	2.59	25.60	1920	32.94	760	39.22	905	50.65	1169		
Apr.	2003	138	179	210	0.0686	1.71	16.97	1273	18.37	424	25.43	587	0.0925	2.31	22.90	1718	29.16	673	37.33	862	0.1045	2.61	25.85	1939	33.12	764	39.31	907	50.76	1172		
Mar.	2003	183	224	258	0.0943	2.36	23.34	1751	21.84	504	27.17	627	0.1087	2.72	26.91	2018	32.44	749	38.97	899	0.1172	2.93	29.01	2176	35.42	817	40.46	934	52.20	1205		
Feb.	2003	219	258	297	0.1072	2.68	26.54	1991	23.60	545	28.05	647	0.1172	2.93	29.01	2176	34.16	788	39.83	919	0.1246	3.11	30.83	2312	36.75	848	41.12	949	53.03	1224		
Jan.	2003	220	255	277	0.1076	2.69	26.62	1997	23.64	546	28.07	648	0.1166	2.91	28.85	2164	34.03	785	39.76	918	0.1211	3.03	29.96	2247	36.11	833	40.81	942	52.63	1215		
Dec.	2002	185	220	244	0.0952	2.38	23.55	1766	21.96	507	27.23	628	0.1076	2.69	26.62	1997	32.20	743	38.85	897	0.1140	2.85	28.21	2116	34.84	804	40.17	927	51.84	1196		
Nov.	2002	146	180	210	0.0743	1.86	18.39	1379	19.14	442	25.82	596	0.0930	2.32	23.01	1726	29.25	675	37.38	863	0.1045	2.61	25.85	1939	33.12	764	39.31	907	50.76	1172		
Oct.	2002	162	197	233	0.0841	2.10	20.81	1561	20.46	472	26.48	611	0.0999	2.50	24.72	1854	30.65	707	38.08	879	0.1112	2.78	27.52	2064	34.34	793	39.92	921	51.53	1189		
Sep.	2002	189	218	247	-	-	-	-	22.18	512	27.34	631	-	-	-	-	32.08	740	38.79	895	-	-	-	-	34.97	807	40.24	929	51.92	1198		
Aug.	2002	199	223	242	-	-	-	-	22.70	524	27.60	637	-	-	-	-	32.38	747	38.94	899	-	-	-	-	34.76	802	40.13	926	51.79	1195		
July	2002	197	215	231	-	-	-	-	22.60	522	27.55	636	-	-	-	-	31.90	736	38.70	893	-	-	-	-	34.24	790	39.87	920	51.47	1188		
June	2002	158	183	210	-	-	-	-	20.16	465	26.33	608	-	-	-	-	29.52	681	37.51	866	-	-	-	-	33.12	764	39.31	907	50.76	1172		
May	2002	170	197	227	-	-	-	-	21.03	485	26.76	618	-	-	-	-	30.65	707	38.08	879	-	-	-	-	34.05	786	39.77	918	51.34	1185		
Apr.	2002	178	210	229	-	-	-	-	21.54	497	27.02	624	-	-	-	-	31.57	729	38.54	890	-	-	-	-	34.15	788	39.82	919	51.40	1186		
Mar.	2002	170	199	210	-	-	-	-	21.03	485	26.76	618	-	-	-	-	30.80	711	38.15	881	-	-	-	-	33.12	764	39.31	907	50.76	1172		
Feb.	2002	125	156	167	-	-	-	-	16.90	390	24.70	570	-	-	-	-	26.75	617	36.13	834	-	-	-	-	29.93	691	37.72	871	48.77	1126		
Jan.	2002	100	129	146	-	-	-	-	13.00	300	22.75	525	-	-	-	-	22.83	527	34.16	788	-	-	-	-	27.69	639	36.60	845	47			



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil								Southwest Designated Oil								Non-Heavy Oil other than Southwest Designated									
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Jan.	2001	94	144	210	-	-	-	-	13.00	300	22.13	511	-	-	-	-	25.19	581	35.34	816	-	-	-	-	33.12	764	39.31	907	50.76	1172
Dec.	2000	67	121	208	-	-	-	-	13.00	300	17.95	414	-	-	-	-	21.33	492	33.41	771	-	-	-	-	33.00	762	39.25	906	50.69	1170
Nov.	2000	124	183	271	-	-	-	-	16.77	387	24.64	569	-	-	-	-	29.52	681	37.51	866	-	-	-	-	35.91	829	40.70	939	52.50	1212
Oct.	2000	140	188	260	-	-	-	-	18.57	429	25.54	589	-	-	-	-	29.94	691	37.72	871	-	-	-	-	35.50	819	40.50	935	52.25	1206
Sep.	2000	211	246	284	-	-	-	-	23.26	537	27.88	643	-	-	-	-	33.61	776	39.55	913	-	-	-	-	36.35	839	40.92	944	52.78	1218
Aug.	2000	205	229	260	-	-	-	-	22.99	531	27.74	640	-	-	-	-	32.73	755	39.11	903	-	-	-	-	35.50	819	40.50	935	52.25	1206
July	2000	192	216	245	-	-	-	-	22.34	516	27.42	633	-	-	-	-	31.96	738	38.73	894	-	-	-	-	34.89	805	40.19	928	51.87	1197
June	2000	209	235	262	-	-	-	-	23.17	535	27.83	642	-	-	-	-	33.05	763	39.28	907	-	-	-	-	35.58	821	40.54	936	52.30	1207
May	2000	189	216	240	-	-	-	-	22.18	512	27.34	631	-	-	-	-	31.96	738	38.73	894	-	-	-	-	34.67	800	40.08	925	51.73	1194
Apr.	2000	154	179	204	-	-	-	-	19.84	458	26.17	604	-	-	-	-	29.16	673	37.33	862	-	-	-	-	32.75	756	39.13	903	50.53	1166
Mar.	2000	195	218	245	-	-	-	-	22.50	519	27.50	635	-	-	-	-	32.08	740	38.79	895	-	-	-	-	34.89	805	40.19	928	51.87	1197
Feb.	2000	194	218	238	-	-	-	-	22.45	518	27.47	634	-	-	-	-	32.08	740	38.79	895	-	-	-	-	34.58	798	40.04	924	51.67	1193
Jan.	2000	166	191	217	-	-	-	-	20.75	479	26.63	615	-	-	-	-	30.19	697	37.84	873	-	-	-	-	33.52	774	39.51	912	51.01	1177



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil								Southwest Designated Oil								Non-Heavy Oil other than Southwest Designated									
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Dec.	1999	153	182	213	-	-	-	-	19.75	456	26.13	603	-	-	-	-	29.43	679	37.46	865	-	-	-	-	33.29	768	39.40	909	50.87	1174
Nov.	1999	144	170	200	-	-	-	-	18.96	438	25.73	594	-	-	-	-	28.29	653	36.90	852	-	-	-	-	32.50	750	39.00	900	50.38	1163
Oct.	1999	150	169	187	-	-	-	-	19.50	450	26.00	600	-	-	-	-	28.19	651	36.85	850	-	-	-	-	31.60	729	38.55	890	49.81	1150
Sep.	1999	173	187	199	-	-	-	-	21.23	490	26.86	620	-	-	-	-	29.86	689	37.68	870	-	-	-	-	32.43	748	38.97	899	50.33	1162
Aug.	1999	147	162	174	-	-	-	-	19.23	444	25.87	597	-	-	-	-	27.44	633	36.47	842	-	-	-	-	30.56	705	38.03	878	49.16	1135
July	1999	129	145	161	-	-	-	-	17.38	401	24.94	576	-	-	-	-	25.33	585	35.41	817	-	-	-	-	29.35	677	37.43	864	48.41	1117
June	1999	104	122	136	-	-	-	-	13.75	317	23.13	534	-	-	-	-	21.52	497	33.51	773	-	-	-	-	26.38	609	35.94	829	46.55	1074
May	1999	100	119	136	-	-	-	-	13.00	300	22.75	525	-	-	-	-	20.92	483	33.21	766	-	-	-	-	26.38	609	35.94	829	46.55	1074
Apr.	1999	100	119	136	-	-	-	-	13.00	300	22.75	525	-	-	-	-	20.92	483	33.21	766	-	-	-	-	26.38	609	35.94	829	46.55	1074
Mar.	1999	97	111	121	-	-	-	-	13.00	300	22.45	518	-	-	-	-	19.15	442	32.32	746	-	-	-	-	24.01	554	34.76	802	45.07	1040
Feb.	1999	69	85	95	-	-	-	-	13.00	300	18.37	424	-	-	-	-	16.25	375	28.29	653	-	-	-	-	19.50	450	31.82	734	41.39	955
Jan.	1999	67	84	97	-	-	-	-	13.00	300	17.95	414	-	-	-	-	16.25	375	28.09	648	-	-	-	-	19.50	450	32.10	741	41.75	964
Dec.	1998	51	69	84	-	-	-	-	13.00	300	13.38	309	-	-	-	-	16.25	375	24.30	561	-	-	-	-	19.50	450	30.02	693	39.15	904
Nov.	1998	66	85	102	-	-	-	-	13.00	300	17.73	409	-	-	-	-	16.25	375	28.29	653	-	-	-	-	20.01	462	32.75	756	42.57	983
Oct.	1998	82	100	116	-	-	-	-	13.00	300	20.61	476	-	-	-	-	16.25	375	30.88	713	-	-	-	-	23.09	533	34.29	791	44.49	1027
Sep.	1998	86	105	120	-	-	-	-	13.00	300	21.16	488	-	-	-	-	17.64	407	31.57	729	-	-	-	-	23.83	550	34.67	800	44.96	1038
Aug.	1998	73	88	103	-	-	-	-	13.00	300	19.14	442	-	-	-	-	16.25	375	28.88	667	-	-	-	-	20.26	468	32.88	759	42.72	986
July	1998	68	85	103	-	-	-	-	13.00	300	18.16	419	-	-	-	-	16.25	375	28.29	653	-	-	-	-	20.26	468	32.88	759	42.72	986
June	1998	50	67	93	-	-	-	-	13.00	300	13.00	300	-	-	-	-	16.25	375	23.67	546	-	-	-	-	19.50	450	31.52	727	41.03	947
May	1998	50	67	100	-	-	-	-	13.00	300	13.00	300	-	-	-	-	16.25	375	23.67	546	-	-	-	-	19.50	450	32.50	750	42.25	975
Apr.	1998	50	68	103	-	-	-	-	13.00	300	13.00	300	-	-	-	-	16.25	375	23.99	554	-	-	-	-	20.26	468	32.88	759	42.72	986
Mar.	1998	50	62	98	-	-	-	-	13.00	300	13.00	300	-	-	-	-	16.25	375	21.91	506	-	-	-	-	19.50	450	32.23	744	41.92	968
Feb.	1998	50	69	108	-	-	-	-	13.00	300	13.00	300	-	-	-	-	16.25	375	24.30	561	-	-	-	-	21.43	495	33.46	772	43.45	1003
Jan.	1998	50	-	115	-	-	-	-	13.00	300	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	22.89	528	34.20	789	44.37	1024
Dec.	1997	51	-	127	-	-	-	-	13.00	300	13.38	309	-	-	-	-	-	-	-	-	-	-	-	-	25.03	578	35.26	814	45.70	1055
Nov.	1997	74	-	146	-	-	-	-	13.00	300	19.32	446	-	-	-	-	-	-	-	-	-	-	-	-	27.69	639	36.60	845	47.37	1093
Oct.	1997	101	-	156	-	-	-	-	13.19	304	22.85	527	-	-	-	-	-	-	-	-	-	-	-	-	28.83	665	37.17	858	48.08	1110
Sep.	1997	92	-	143	-	-	-	-	13.00	300	21.90	505	-	-	-	-	-	-	-	-	-	-	-	-	27.32	631	36.41	840	47.14	1088
Aug.	1997	98	-	145	-	-	-	-	13.00	300	22.55	520	-	-	-	-	27.57	636	36.53	843	-	-	-	-	-	-	-	-	-	-
July	1997	93	-	140	-	-	-	-	13.00	300	22.02	508	-	-	-	-	-	-	-	-	-	-	-	-	26.93	622	36.21	836	46.89	1082
June	1997	85	-	136	-	-	-	-	13.00	300	21.03	485	-	-	-	-	-	-	-	-	-	-	-	-	26.38	609	35.94	829	46.55	1074
May	1997	96	-	148	-	-	-	-	13.00	300	22.34	516	-	-	-	-	-	-	-	-	-	-	-	-	27.93	645	36.72	847	47.52	1097
Apr.	1997	87	-	139	-	-	-	-	13.00	300	21.29	491	-	-	-	-	-	-	-	-	-	-	-	-	26.79	618	36.15	834	46.81	1080
Mar.	1997	98	-	150	-	-	-	-	13.00	300	22.55	520	-	-	-	-	-	-	-	-	-	-	-	-	28.17	650	36.83	850	47.67	1100
Feb.	1997	102	-	158	-	-	-	-	13.38	309	22.94	529	-	-	-	-	-	-	-	-	-	-	-	-	29.04	670	37.27	860	48.22	1113
Jan.	1997	121	-	180	-	-	-	-	16.38	378	24.44	564	-	-	-	-	-	-	-	-	-	-	-	-	31.06	717	38.28	884	49.47	1142
Dec.	1996	114	-	181	-	-	-	-	15.39	355	23.95	553	-	-	-	-	-	-	-	-	-	-	-	-	31.14	719	38.32	884	49.52	1143
Nov.	1996	107	-	167	-	-	-	-	14.28	330	23.39	540	-	-	-	-	-	-	-	-	-	-	-	-	29.93	691	37.72	871	48.77	1126
Oct.	1996	144	-	188	-	-	-	-	18.96	438	25.73	594	-	-	-	-	-	-	-	-	-	-	-	-	31.67	731	38.59	891	49.86	1151
Sep.	1996	152	-	185	-	-	-	-	19.67	454	26.09	602	-	-	-	-	-	-	-	-	-	-	-	-	31.45	726	38.47	888	49.72	1148
Aug.	1996	139	-	170	-	-	-	-	18.47	426	25.49	588	-	-	-	-	-	-	-	-	-	-	-	-	30.21	697	37.85	874	48.94	1130
July	1996	135	-	165	-	-	-	-	18.06	417	25.28	583	-	-	-	-	-	-	-	-	-	-	-	-	29.74	686	37.62	868	48.65	1123
June	1996	130	-	156	-	-	-	-	17.50	404	25.00	577	-	-	-	-	28.83	665	37.17	858	-	-	-	-	-	-	-	-	-	-
May	1996	129	-	162	-	-	-	-	17.38	401	24.94	576	-	-	-	-	-	-	-	-	-	-	-	-	29.45	680	37.48	865	48.47	1119
Apr.	1996	146	-	178	-	-	-	-	19.14	442	25.82	596	-	-	-	-	-	-	-	-	-	-	-	-	30.89	713	38.20	882	49.37	1139
Mar.	1996	120	-	156	-	-	-	-	16.25	375	24.38	563	-	-	-	-	-	-	-	-	-	-	-	-	28.83	665	37.17	858	48.08	1110
Feb.	1996	88	-	131	-	-	-	-	13.00	300	21.42	494	-	-	-	-	25.65	592	35.58	821	-	-	-	-	-	-	-	-	-	-



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil								Southwest Designated Oil								Non-Heavy Oil other than Southwest Designated									
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Jan.	1996	80	-	126	-	-	-	-	13.00	300	20.31	469	-	-	-	-	-	-	-	-	-	-	-	-	24.87	574	35.18	812	45.60	1052
Dec.	1995	80	-	127	-	-	-	-	13.00	300	20.31	469	-	-	-	-	-	-	-	-	-	-	-	-	25.03	578	35.26	814	45.70	1055
Nov.	1995	75	-	118	-	-	-	-	13.00	300	19.50	450	-	-	-	-	-	-	-	-	-	-	-	-	23.47	542	34.48	796	44.73	1032
Oct.	1995	80	-	116	-	-	-	-	13.00	300	20.31	469	-	-	-	-	-	-	-	-	-	-	-	-	23.09	533	34.29	791	44.49	1027
Sep.	1995	105	-	128	-	-	-	-	13.93	322	23.21	536	-	-	-	-	-	-	-	-	-	-	-	-	25.19	581	35.34	816	45.80	1057
Aug.	1995	109	-	131	-	-	-	-	14.61	337	23.56	544	-	-	-	-	-	-	-	-	-	-	-	-	25.65	592	35.58	821	46.10	1064
July	1995	105	-	125	-	-	-	-	13.93	322	23.21	536	-	-	-	-	-	-	-	-	-	-	-	-	24.70	570	35.10	810	45.50	1050
June	1995	117	-	137	-	-	-	-	15.83	365	24.17	558	-	-	-	-	-	-	-	-	-	-	-	-	26.52	612	36.01	831	46.64	1076
May	1995	128	-	147	-	-	-	-	17.27	399	24.88	574	-	-	-	-	-	-	-	-	-	-	-	-	27.81	642	36.66	846	47.45	1095
Apr.	1995	128	-	150	-	-	-	-	17.27	399	24.88	574	-	-	-	-	-	-	-	-	-	-	-	-	28.17	650	36.83	850	47.67	1100
Mar.	1995	115	-	140	-	-	-	-	15.54	359	24.02	554	-	-	-	-	-	-	-	-	-	-	-	-	26.93	622	36.21	836	46.89	1082
Feb.	1995	112	-	139	-	-	-	-	15.09	348	23.79	549	-	-	-	-	-	-	-	-	-	-	-	-	26.79	618	36.15	834	46.81	1080
Jan.	1995	108	-	135	-	-	-	-	14.44	333	23.47	542	-	-	-	-	-	-	-	-	-	-	-	-	26.24	606	35.87	828	46.46	1072



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil								Southwest Designated Oil								Non-Heavy Oil other than Southwest Designated									
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Dec.	1994	93	-	121	-	-	-	-	13.00	300	22.02	508	-	-	-	-	-	-	-	-	-	-	-	-	24.01	554	34.76	802	45.07	1040
Nov.	1994	103	-	129	-	-	-	-	13.57	313	23.03	532	-	-	-	-	-	-	-	-	-	-	-	-	25.34	585	35.42	817	45.90	1059
Oct.	1994	96	-	120	-	-	-	-	13.00	300	22.34	516	-	-	-	-	-	-	-	-	-	-	-	-	23.83	550	34.67	800	44.96	1038
Sep.	1994	94	-	119	-	-	-	-	13.00	300	22.13	511	-	-	-	-	-	-	-	-	-	-	-	-	23.65	546	34.58	798	44.84	1035
Aug.	1994	106	-	131	-	-	-	-	14.10	325	23.30	538	-	-	-	-	-	-	-	-	-	-	-	-	25.65	592	35.58	821	46.10	1064
July	1994	119	-	143	-	-	-	-	16.11	372	24.31	561	-	-	-	-	-	-	-	-	-	-	-	-	27.32	631	36.41	840	47.14	1088
June	1994	113	-	139	-	-	-	-	15.24	352	23.87	551	-	-	-	-	-	-	-	-	-	-	-	-	26.79	618	36.15	834	46.81	1080
May	1994	99	-	129	-	-	-	-	13.00	300	22.65	523	-	-	-	-	-	-	-	-	-	-	-	-	25.34	585	35.42	817	45.90	1059
Apr.	1994	81	-	112	-	-	-	-	13.00	300	20.46	472	-	-	-	-	-	-	-	-	-	-	-	-	22.29	514	33.89	782	43.99	1015
Mar.	1994	59	-	93	-	-	-	-	13.00	300	15.97	369	-	-	-	-	-	-	-	-	-	-	-	-	19.50	450	31.52	727	41.03	947
Feb.	1994	57	-	87	-	-	-	-	13.00	300	15.39	355	-	-	-	-	-	-	-	-	-	-	-	-	19.50	450	30.56	705	39.82	919
Jan.	1994	58	-	87	-	-	-	-	13.00	300	15.69	362	-	-	-	-	-	-	-	-	-	-	-	-	19.50	450	30.56	705	39.82	919
Dec.	1993	57	-	84	-	-	-	-	-	-	15.39	355	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.02	693	39.15	904
Nov.	1993	74	-	104	-	-	-	-	-	-	19.32	446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.00	762	42.88	990
Oct.	1993	87	-	117	-	-	-	-	-	-	21.29	491	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.39	794	44.61	1030
Sep.	1993	75	-	109	-	-	-	-	-	-	19.50	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.57	775	43.59	1006
Aug.	1993	79	-	112	-	-	-	-	-	-	20.16	465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.89	782	43.99	1015
July	1993	75	-	109	-	-	-	-	-	-	19.50	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.57	775	43.59	1006
June	1993	83	-	118	-	-	-	-	-	-	20.75	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032
May	1993	83	-	118	-	-	-	-	-	-	20.75	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032
Apr.	1993	83	-	118	-	-	-	-	-	-	20.75	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032
Mar.	1993	83	-	118	-	-	-	-	-	-	20.75	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032
Feb.	1993	75	-	116	-	-	-	-	-	-	19.50	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.29	791	44.49	1027
Jan.	1993	66	-	108	-	-	-	-	-	-	17.73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.46	772	43.45	1003
Dec.	1992	80	-	117	-	-	-	-	-	-	20.31	469	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.39	794	44.61	1030
Nov.	1992	86	-	127	-	-	-	-	-	-	21.16	488	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.26	814	45.70	1055
Oct.	1992	103	-	141	-	-	-	-	-	-	23.03	532	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.28	837	46.98	1084
Sep.	1992	97	-	137	-	-	-	-	-	-	22.45	518	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.01	831	46.64	1076
Aug.	1992	90	-	127	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.26	814	45.70	1055
July	1992	97	-	135	-	-	-	-	-	-	22.45	518	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072
June	1992	97	-	135	-	-	-	-	-	-	22.45	518	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072
May	1992	85	-	119	-	-	-	-	-	-	21.03	485	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.58	798	44.84	1035
Apr.	1992	78	-	112	-	-	-	-	-	-	20.00	462	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.89	782	43.99	1015
Mar.	1992	63	-	102	-	-	-	-	-	-	17.02	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.75	756	42.57	983
Feb.	1992	55	-	98	-	-	-	-	-	-	14.77	341	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.23	744	41.92	968
Jan.	1992	50	-	92	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.37	724	40.84	943
Dec.	1991	50	-	102	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.75	756	42.57	983
Nov.	1991	64	-	122	-	-	-	-	-	-	17.27	399	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.84	804	45.18	1043
Oct.	1991	69	-	130	-	-	-	-	-	-	18.37	424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.50	819	46.00	1062
Sep.	1991	70	-	121	-	-	-	-	-	-	18.57	429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.76	802	45.07	1040
Aug.	1991	63	-	123	-	-	-	-	-	-	17.02	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.93	806	45.29	1045
July	1991	77	-	123	-	-	-	-	-	-	19.84	458	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.93	806	45.29	1045
June	1991	57	-	109	-	-	-	-	-	-	15.39	355	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.57	775	43.59	1006
May	1991	50	-	108	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.46	772	43.45	1003
Apr.	1991	50	-	108	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.46	772	43.45	1003
Mar.	1991	50	-	96	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.96	738	41.57	959
Feb.	1991	53	-	110	-	-	-	-	-	-	14.10	325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.68	777	43.73	1009



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil							Southwest Designated Oil							Non-Heavy Oil other than Southwest Designated											
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Jan.	1991	93	-	145	-	-	-	-	-	-	22.02	508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.53	843	47.29	1091
Dec.	1990	109	-	159	-	-	-	-	-	-	23.56	544	-	-	-	-	-	-	-	-	-	-	-	-	-	37.32	861	48.28	1114	
Nov.	1990	149	-	195	-	-	-	-	-	-	25.96	599	-	-	-	-	-	-	-	-	-	-	-	-	-	38.83	896	50.17	1158	
Oct.	1990	210	-	231	-	-	-	-	-	-	27.86	643	-	-	-	-	-	-	-	-	-	-	-	-	-	39.87	920	51.47	1188	
Sep.	1990	163	-	209	-	-	-	-	-	-	26.52	612	-	-	-	-	-	-	-	-	-	-	-	-	-	39.28	907	50.72	1171	
Aug.	1990	126	-	165	-	-	-	-	-	-	24.76	571	-	-	-	-	-	-	-	-	-	-	-	-	-	37.62	868	48.65	1123	
July	1990	66	-	98	-	-	-	-	-	-	17.73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	32.23	744	41.92	968	
June	1990	56	-	91	-	-	-	-	-	-	15.09	348	-	-	-	-	-	-	-	-	-	-	-	-	-	31.21	720	40.64	938	
May	1990	58	-	105	-	-	-	-	-	-	15.69	362	-	-	-	-	-	-	-	-	-	-	-	-	-	33.12	764	43.02	993	
Apr.	1990	58	-	105	-	-	-	-	-	-	15.69	362	-	-	-	-	-	-	-	-	-	-	-	-	-	33.12	764	43.02	993	
Mar.	1990	77	-	124	-	-	-	-	-	-	19.84	458	-	-	-	-	-	-	-	-	-	-	-	-	-	35.02	808	45.40	1048	
Feb.	1990	90	-	135	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072	
Jan.	1990	90	-	135	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072	



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil							Southwest Designated Oil							Non-Heavy Oil other than Southwest Designated											
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Dec.	1989	82	-	120	-	-	-	-	-	-	20.61	476	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.67	800	44.96	1038
Nov.	1989	88	-	118	-	-	-	-	-	-	21.42	494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032
Oct.	1989	88	-	118	-	-	-	-	-	-	21.42	494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032
Sep.	1989	88	-	118	-	-	-	-	-	-	21.42	494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032
Aug.	1989	81	-	107	-	-	-	-	-	-	20.46	472	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.35	770	43.31	1000
July	1989	97	-	125	-	-	-	-	-	-	22.45	518	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.10	810	45.50	1050
June	1989	90	-	125	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.10	810	45.50	1050
May	1989	90	-	125	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.10	810	45.50	1050
Apr.	1989	90	-	125	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.10	810	45.50	1050
Mar.	1989	77	-	113	-	-	-	-	-	-	19.84	458	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.00	785	44.12	1018
Feb.	1989	66	-	104	-	-	-	-	-	-	17.73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.00	762	42.88	990
Jan.	1989	66	-	104	-	-	-	-	-	-	17.73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.00	762	42.88	990
Dec.	1988	50	-	87	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.56	705	39.82	919
Nov.	1988	50	-	78	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.83	665	37.67	869
Oct.	1988	50	-	78	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.83	665	37.67	869
Sep.	1988	58	-	87	-	-	-	-	-	-	15.69	362	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.56	705	39.82	919
Aug.	1988	63	-	91	-	-	-	-	-	-	17.02	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.21	720	40.64	938
July	1988	53	-	85	-	-	-	-	-	-	14.10	325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.21	697	39.38	909
June	1988	70	-	100	-	-	-	-	-	-	18.57	429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.50	750	42.25	975
May	1988	79	-	105	-	-	-	-	-	-	20.16	465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.12	764	43.02	993
Apr.	1988	72	-	103	-	-	-	-	-	-	18.96	438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.88	759	42.72	986
Mar.	1988	53	-	94	-	-	-	-	-	-	14.10	325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.67	731	41.21	951
Feb.	1988	67	-	109	-	-	-	-	-	-	17.95	414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.57	775	43.59	1006
Jan.	1988	67	-	109	-	-	-	-	-	-	17.95	414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.57	775	43.59	1006
Dec.	1987	79	-	121	-	-	-	-	-	-	20.16	465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.76	802	45.07	1040
Nov.	1987	103	-	135	-	-	-	-	-	-	23.03	532	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072
Oct.	1987	103	-	135	-	-	-	-	-	-	23.03	532	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072
Sep.	1987	103	-	135	-	-	-	-	-	-	23.03	532	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072
Aug.	1987	121	-	148	-	-	-	-	-	-	24.44	564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.72	847	47.52	1097
July	1987	121	-	148	-	-	-	-	-	-	24.44	564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.72	847	47.52	1097
June	1987	117	-	141	-	-	-	-	-	-	24.17	558	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.28	837	46.98	1084
May	1987	112	-	133	-	-	-	-	-	-	23.79	549	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.73	825	46.28	1068
Apr.	1987	102	-	127	-	-	-	-	-	-	22.94	529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.26	814	45.70	1055
Mar.	1987	91	-	126	-	-	-	-	-	-	21.79	503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.18	812	45.60	1052
Feb.	1987	91	-	126	-	-	-	-	-	-	21.79	503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.18	812	45.60	1052
Jan.	1987	97	-	127	-	-	-	-	-	-	22.45	518	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.26	814	45.70	1055