

WR724  
G17011  
Weat001

API #608124001400  
Time: 02 Nov 2004



**Schlumberger**

# WR724#1 ST00BP00 MWD Survey Report

GOM OCS REGION  
MMS  
OCT 28 2004  
TECHNICAL DATA MANAGEMENT SECTION

Report Date: October 22, 2004	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: BP	Vertical Section Azimuth: 0.000°
Field: Walker Ridge Block 724 - Das Bump	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: WR724#1 / WR724#1(2nd Jetin)	TVD Reference Datum: Rotary Table
Well: OCS-G-17011 #1	TVD Reference Elevation: 88.0 ft relative to MSL
Borehole: WR724#1 ST00BP00	Sea Bed / Ground Level Elevation: -7545.000 ft relative to MSL
UWI/API#: 608124001400	Magnetic Declination: 1.696°
Survey Name / Date: WR724#1 ST00BP00 MWD / June 15, 2004	Total Field Strength: 46384.187 nT
Tort / AHD / DDI / ERD ratio: 30.274° / 319.38 ft / 3.985 / 0.011	Magnetic Dip: 56.379°
Grid Coordinate System: NAD27 UTM Zone 15N, US Feet	Declination Date: June 15, 2004
Location Lat/Long: N 26 14 29.615, W 90 59 7.976	Magnetic Declination Model: BGM 2004
Location Grid N/E Y/X: N 9527002.630 ftUS, E 2300574.660 ftUS	North Reference: Grid North
Grid Convergence Angle: +0.89100303°	Total Corr Mag North -> Grid North: +0.805°
Grid Scale Factor: 1.00009993	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
Mud Line	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9527002.63	2300574.66	N 26 14 29.615	W 90 59 7.976
	7633.00	0.00	0.00	7633.00	0.00	0.00	0.00	0.00	9527002.63	2300574.66	N 26 14 29.615	W 90 59 7.976
	7925.00	0.63	238.74	7924.99	-0.83	-0.83	-1.37	0.22	9527001.80	2300573.29	N 26 14 29.607	W 90 59 7.991
	8022.00	0.52	235.88	8021.99	-1.36	-1.36	-2.19	0.12	9527001.27	2300572.47	N 26 14 29.602	W 90 59 8.000
	8117.00	0.52	232.15	8116.99	-1.86	-1.86	-2.89	0.04	9527000.77	2300571.77	N 26 14 29.597	W 90 59 8.008
	8211.00	0.29	207.12	8210.98	-2.34	-2.34	-3.34	0.30	9527000.29	2300571.32	N 26 14 29.593	W 90 59 8.013
	8309.00	0.37	189.56	8308.98	-2.87	-2.87	-3.50	0.13	9526999.76	2300571.16	N 26 14 29.588	W 90 59 8.015
	8406.00	0.53	154.14	8405.98	-3.58	-3.58	-3.36	0.32	9526999.05	2300571.30	N 26 14 29.580	W 90 59 8.013
	8501.00	0.60	149.79	8500.97	-4.41	-4.41	-2.92	0.09	9526998.22	2300571.74	N 26 14 29.572	W 90 59 8.009
	8601.00	0.66	152.79	8600.97	-5.37	-5.37	-2.39	0.07	9526997.26	2300572.27	N 26 14 29.563	W 90 59 8.003
	8696.00	0.84	140.59	8695.96	-6.40	-6.40	-1.70	0.25	9526996.23	2300572.96	N 26 14 29.552	W 90 59 7.996
	8794.00	0.84	138.18	8793.95	-7.49	-7.49	-0.76	0.04	9526995.14	2300573.90	N 26 14 29.541	W 90 59 7.985
	8889.00	1.07	137.94	8888.94	-8.66	-8.66	0.30	0.24	9526993.96	2300574.96	N 26 14 29.530	W 90 59 7.974
	8985.00	1.06	144.31	8984.92	-10.05	-10.05	1.42	0.12	9526992.58	2300576.08	N 26 14 29.516	W 90 59 7.962
	9086.00	0.92	149.01	9085.90	-11.50	-11.50	2.38	0.16	9526991.12	2300577.04	N 26 14 29.501	W 90 59 7.952
	9279.00	0.89	137.40	9278.88	-13.94	-13.94	4.19	0.10	9526988.69	2300578.85	N 26 14 29.477	W 90 59 7.932

DF = 88'

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
	9374.00	0.98	135.41	9373.87	-15.06	-15.06	5.26	0.10	9526987.57	2300579.92	N 26 14 29.465	W 90 59 7.921
	9548.00	1.30	112.79	9547.83	-16.88	-16.88	8.13	0.31	9526985.75	2300582.79	N 26 14 29.447	W 90 59 7.889
	9645.00	1.48	113.62	9644.81	-17.81	-17.81	10.29	0.19	9526984.82	2300584.95	N 26 14 29.437	W 90 59 7.866
	9741.00	1.26	118.17	9740.78	-18.81	-18.81	12.35	0.26	9526983.82	2300587.01	N 26 14 29.427	W 90 59 7.843
	9837.00	0.73	135.17	9836.76	-19.74	-19.74	13.72	0.63	9526982.89	2300588.38	N 26 14 29.418	W 90 59 7.829
	9933.00	0.31	168.22	9932.76	-20.43	-20.43	14.20	0.52	9526982.20	2300588.86	N 26 14 29.411	W 90 59 7.823
	10028.00	0.15	221.95	10027.76	-20.77	-20.77	14.17	0.27	9526981.86	2300588.83	N 26 14 29.408	W 90 59 7.824
	10125.00	0.12	201.98	10124.76	-20.96	-20.96	14.05	0.06	9526981.67	2300588.71	N 26 14 29.406	W 90 59 7.825
	10220.00	0.29	169.14	10219.76	-21.29	-21.29	14.05	0.21	9526981.34	2300588.72	N 26 14 29.402	W 90 59 7.825
	10315.00	0.29	184.02	10314.76	-21.76	-21.76	14.08	0.08	9526980.87	2300588.74	N 26 14 29.398	W 90 59 7.825
	10409.00	0.29	181.10	10408.76	-22.24	-22.24	14.06	0.02	9526980.39	2300588.72	N 26 14 29.393	W 90 59 7.825
	10504.00	0.23	196.30	10503.75	-22.66	-22.66	14.00	0.10	9526979.97	2300588.66	N 26 14 29.389	W 90 59 7.826
	10601.00	0.23	183.62	10600.75	-23.04	-23.04	13.94	0.05	9526979.59	2300588.60	N 26 14 29.385	W 90 59 7.827
	10697.00	0.29	175.26	10696.75	-23.48	-23.48	13.94	0.07	9526979.15	2300588.61	N 26 14 29.381	W 90 59 7.827
	10792.00	0.20	186.70	10791.75	-23.88	-23.88	13.94	0.11	9526978.75	2300588.61	N 26 14 29.377	W 90 59 7.827
	10887.00	0.24	172.28	10886.75	-24.24	-24.24	13.95	0.07	9526978.39	2300588.61	N 26 14 29.373	W 90 59 7.827
	10984.00	0.26	177.34	10983.75	-24.66	-24.66	13.99	0.03	9526977.96	2300588.65	N 26 14 29.369	W 90 59 7.826
	11079.00	0.29	191.92	11078.75	-25.11	-25.11	13.95	0.08	9526977.51	2300588.61	N 26 14 29.365	W 90 59 7.827
	11171.00	0.26	193.15	11170.75	-25.55	-25.55	13.85	0.03	9526977.08	2300588.52	N 26 14 29.360	W 90 59 7.828
	11267.00	0.36	170.69	11266.75	-26.06	-26.06	13.85	0.16	9526976.57	2300588.51	N 26 14 29.355	W 90 59 7.828
	11363.00	0.38	177.88	11362.74	-26.67	-26.67	13.91	0.05	9526975.96	2300588.58	N 26 14 29.349	W 90 59 7.828
	11457.00	0.32	176.95	11456.74	-27.24	-27.24	13.94	0.06	9526975.38	2300588.60	N 26 14 29.343	W 90 59 7.827
	11555.00	0.26	189.70	11554.74	-27.74	-27.74	13.92	0.09	9526974.89	2300588.58	N 26 14 29.339	W 90 59 7.828
	11622.00	0.38	183.31	11621.74	-28.11	-28.11	13.88	0.19	9526974.52	2300588.54	N 26 14 29.335	W 90 59 7.828
	11719.00	0.51	157.15	11718.74	-28.83	-28.83	14.03	0.25	9526973.80	2300588.69	N 26 14 29.328	W 90 59 7.827
	11814.00	0.73	150.08	11813.73	-29.74	-29.74	14.49	0.24	9526972.89	2300589.15	N 26 14 29.319	W 90 59 7.822
	11915.00	0.90	144.23	11914.72	-30.94	-30.94	15.28	0.19	9526971.68	2300589.94	N 26 14 29.307	W 90 59 7.813
	12009.00	1.09	143.81	12008.71	-32.26	-32.26	16.24	0.20	9526970.36	2300590.90	N 26 14 29.293	W 90 59 7.803
	12106.00	1.26	141.48	12105.69	-33.84	-33.84	17.45	0.18	9526968.78	2300592.11	N 26 14 29.278	W 90 59 7.790
	12201.00	1.54	136.40	12200.66	-35.58	-35.58	18.98	0.32	9526967.04	2300593.64	N 26 14 29.260	W 90 59 7.774
	12299.00	1.78	135.93	12298.62	-37.63	-37.63	20.94	0.25	9526964.99	2300595.61	N 26 14 29.239	W 90 59 7.752
	12394.00	1.87	135.42	12393.57	-39.80	-39.80	23.06	0.10	9526962.83	2300597.72	N 26 14 29.218	W 90 59 7.729
	12492.00	1.92	133.15	12491.52	-42.06	-42.06	25.38	0.09	9526960.57	2300600.04	N 26 14 29.195	W 90 59 7.704
	12588.00	1.69	131.99	12587.47	-44.10	-44.10	27.60	0.24	9526958.52	2300602.27	N 26 14 29.174	W 90 59 7.680

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
	12684.00	1.72	129.38	12683.43	-45.97	-45.97	29.77	0.09	9526956.66	2300604.43	N 26 14 29.156	W 90 59 7.657
	12780.00	1.67	130.54	12779.38	-47.79	-47.79	31.95	0.06	9526954.84	2300606.61	N 26 14 29.137	W 90 59 7.633
	12876.00	1.92	128.41	12875.34	-49.70	-49.70	34.27	0.27	9526952.93	2300608.93	N 26 14 29.118	W 90 59 7.608
	12973.00	1.95	126.85	12972.28	-51.70	-51.70	36.86	0.06	9526950.93	2300611.53	N 26 14 29.098	W 90 59 7.580
	13067.00	1.88	122.00	13066.23	-53.47	-53.47	39.45	0.19	9526949.15	2300614.11	N 26 14 29.080	W 90 59 7.552
	13164.00	1.71	123.67	13163.18	-55.12	-55.12	42.00	0.18	9526947.51	2300616.67	N 26 14 29.063	W 90 59 7.524
	13259.00	1.81	127.25	13258.14	-56.81	-56.81	44.38	0.16	9526945.81	2300619.04	N 26 14 29.046	W 90 59 7.498
	13355.00	1.77	125.79	13354.09	-58.60	-58.60	46.79	0.06	9526944.03	2300621.45	N 26 14 29.028	W 90 59 7.472
	13452.00	1.77	127.94	13451.04	-60.39	-60.39	49.18	0.07	9526942.23	2300623.85	N 26 14 29.010	W 90 59 7.446
	13548.00	1.77	129.23	13547.00	-62.24	-62.24	51.50	0.04	9526940.38	2300626.17	N 26 14 28.991	W 90 59 7.421
	13645.00	1.78	130.39	13643.95	-64.17	-64.17	53.81	0.04	9526938.46	2300628.47	N 26 14 28.972	W 90 59 7.396
	13742.00	1.91	127.90	13740.90	-66.14	-66.14	56.23	0.16	9526936.49	2300630.90	N 26 14 28.952	W 90 59 7.370
	13837.00	1.98	134.16	13835.85	-68.25	-68.25	58.66	0.24	9526934.37	2300633.33	N 26 14 28.930	W 90 59 7.343
	13933.00	1.87	130.82	13931.79	-70.43	-70.43	61.03	0.16	9526932.19	2300635.70	N 26 14 28.908	W 90 59 7.318
	14030.00	1.83	138.66	14028.74	-72.63	-72.63	63.26	0.26	9526929.99	2300637.92	N 26 14 28.886	W 90 59 7.294
	14159.00	1.37	135.73	14157.69	-75.28	-75.28	65.69	0.36	9526927.34	2300640.36	N 26 14 28.860	W 90 59 7.267
	14256.00	0.21	184.21	14254.68	-76.29	-76.29	66.49	1.28	9526926.34	2300641.15	N 26 14 28.850	W 90 59 7.259
	14353.00	0.13	237.83	14351.68	-76.52	-76.52	66.38	0.17	9526926.10	2300641.05	N 26 14 28.847	W 90 59 7.260
	14447.00	0.06	347.41	14445.68	-76.53	-76.53	66.28	0.17	9526926.09	2300640.95	N 26 14 28.847	W 90 59 7.261
	14543.00	0.04	301.89	14541.68	-76.46	-76.46	66.24	0.04	9526926.16	2300640.91	N 26 14 28.848	W 90 59 7.261
	14639.00	0.13	9.67	14637.68	-76.34	-76.34	66.23	0.13	9526926.28	2300640.90	N 26 14 28.849	W 90 59 7.262
	14732.00	0.06	289.58	14730.68	-76.22	-76.22	66.20	0.14	9526926.40	2300640.87	N 26 14 28.850	W 90 59 7.262
	14829.00	0.16	222.91	14827.68	-76.30	-76.30	66.06	0.15	9526926.32	2300640.73	N 26 14 28.850	W 90 59 7.263
	14926.00	0.12	331.78	14924.68	-76.31	-76.31	65.92	0.24	9526926.31	2300640.59	N 26 14 28.850	W 90 59 7.265
	15024.00	0.15	82.54	15022.68	-76.20	-76.20	66.00	0.23	9526926.42	2300640.67	N 26 14 28.851	W 90 59 7.264
	15117.00	0.13	7.33	15115.68	-76.08	-76.08	66.14	0.18	9526926.54	2300640.80	N 26 14 28.852	W 90 59 7.263
	15212.00	0.12	238.50	15210.68	-76.03	-76.03	66.07	0.24	9526926.59	2300640.73	N 26 14 28.852	W 90 59 7.263
	15309.00	0.08	61.16	15307.68	-76.05	-76.05	66.04	0.21	9526926.57	2300640.70	N 26 14 28.852	W 90 59 7.264
	15404.00	0.14	8.55	15402.68	-75.90	-75.90	66.11	0.12	9526926.72	2300640.78	N 26 14 28.854	W 90 59 7.263
	15499.00	0.06	47.86	15497.68	-75.75	-75.75	66.17	0.11	9526926.87	2300640.83	N 26 14 28.855	W 90 59 7.262
	15598.00	0.14	249.59	15596.68	-75.76	-75.76	66.09	0.20	9526926.86	2300640.76	N 26 14 28.855	W 90 59 7.263
	15693.00	0.18	187.38	15691.68	-75.95	-75.95	65.96	0.18	9526926.67	2300640.63	N 26 14 28.853	W 90 59 7.264
	15789.00	0.08	278.10	15787.68	-76.09	-76.09	65.88	0.21	9526926.53	2300640.55	N 26 14 28.852	W 90 59 7.265

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
	15866.00	0.04	55.29	15864.68	-76.07	-76.07	65.85	0.15	9526926.56	2300640.51	N 26 14 28.852	W 90 59 7.266
	15982.00	0.08	276.68	15980.68	-76.03	-76.03	65.80	0.10	9526926.59	2300640.47	N 26 14 28.852	W 90 59 7.266
	16079.00	0.14	159.66	16077.68	-76.14	-76.14	65.77	0.20	9526926.48	2300640.44	N 26 14 28.851	W 90 59 7.267
	16176.00	0.10	154.98	16174.68	-76.33	-76.33	65.85	0.04	9526926.30	2300640.52	N 26 14 28.849	W 90 59 7.266
	16271.00	0.09	277.48	16269.68	-76.39	-76.39	65.81	0.18	9526926.23	2300640.48	N 26 14 28.849	W 90 59 7.266
	16367.00	0.13	181.73	16365.68	-76.49	-76.49	65.73	0.17	9526926.13	2300640.40	N 26 14 28.848	W 90 59 7.267
	16465.00	0.12	245.51	16463.68	-76.64	-76.64	65.64	0.14	9526925.98	2300640.30	N 26 14 28.846	W 90 59 7.268
	16562.00	0.17	329.43	16560.68	-76.56	-76.56	65.47	0.20	9526926.06	2300640.14	N 26 14 28.847	W 90 59 7.270
	16659.00	0.14	208.54	16657.68	-76.54	-76.54	65.34	0.28	9526926.08	2300640.01	N 26 14 28.847	W 90 59 7.271
	16755.00	0.12	247.44	16753.68	-76.68	-76.68	65.19	0.09	9526925.94	2300639.86	N 26 14 28.846	W 90 59 7.273
	16851.00	0.03	84.82	16849.68	-76.72	-76.72	65.13	0.16	9526925.90	2300639.79	N 26 14 28.846	W 90 59 7.274
	16946.00	0.10	243.98	16944.68	-76.75	-76.75	65.08	0.14	9526925.87	2300639.74	N 26 14 28.845	W 90 59 7.274
	17140.00	0.03	86.55	17138.68	-76.83	-76.83	64.97	0.07	9526925.80	2300639.64	N 26 14 28.845	W 90 59 7.275
	17233.00	0.13	151.56	17231.68	-76.92	-76.92	65.05	0.13	9526925.71	2300639.72	N 26 14 28.844	W 90 59 7.275
	17331.00	0.12	254.15	17329.68	-77.04	-77.04	65.00	0.20	9526925.58	2300639.67	N 26 14 28.842	W 90 59 7.275
	17428.00	0.12	279.54	17426.68	-77.05	-77.05	64.81	0.05	9526925.57	2300639.47	N 26 14 28.842	W 90 59 7.277
	17524.00	0.06	345.01	17522.68	-76.99	-76.99	64.69	0.11	9526925.63	2300639.36	N 26 14 28.843	W 90 59 7.279
	17618.00	0.06	10.83	17616.68	-76.89	-76.89	64.69	0.03	9526925.73	2300639.36	N 26 14 28.844	W 90 59 7.279
	17717.00	0.14	233.36	17715.68	-76.91	-76.91	64.60	0.19	9526925.71	2300639.27	N 26 14 28.844	W 90 59 7.280
	17812.00	0.14	171.59	17810.68	-77.10	-77.10	64.53	0.15	9526925.52	2300639.19	N 26 14 28.842	W 90 59 7.280
	17904.00	0.14	280.97	17902.68	-77.19	-77.19	64.43	0.25	9526925.43	2300639.10	N 26 14 28.841	W 90 59 7.281
	18064.00	0.10	129.50	18062.68	-77.24	-77.24	64.35	0.15	9526925.38	2300639.01	N 26 14 28.841	W 90 59 7.282
	18160.00	0.32	168.41	18158.67	-77.56	-77.56	64.47	0.26	9526925.07	2300639.13	N 26 14 28.837	W 90 59 7.281
	18257.00	0.49	190.64	18255.67	-78.23	-78.23	64.44	0.24	9526924.39	2300639.11	N 26 14 28.831	W 90 59 7.282
	18351.00	0.40	184.82	18349.67	-78.95	-78.95	64.34	0.11	9526923.67	2300639.01	N 26 14 28.824	W 90 59 7.283
	18449.00	0.43	177.24	18447.67	-79.66	-79.66	64.33	0.06	9526922.96	2300639.00	N 26 14 28.817	W 90 59 7.283
	18544.00	0.46	161.77	18542.66	-80.38	-80.38	64.47	0.13	9526922.25	2300639.13	N 26 14 28.809	W 90 59 7.282
	18642.00	0.50	164.45	18640.66	-81.16	-81.16	64.71	0.05	9526921.46	2300639.37	N 26 14 28.802	W 90 59 7.279
	18737.00	0.36	173.65	18735.66	-81.86	-81.86	64.85	0.16	9526920.76	2300639.52	N 26 14 28.795	W 90 59 7.278
	18836.00	0.49	177.18	18834.65	-82.59	-82.59	64.91	0.13	9526920.03	2300639.57	N 26 14 28.787	W 90 59 7.277
	18932.00	0.41	190.41	18930.65	-83.34	-83.34	64.86	0.14	9526919.28	2300639.53	N 26 14 28.780	W 90 59 7.278
	19029.00	0.51	194.48	19027.65	-84.10	-84.10	64.69	0.11	9526918.52	2300639.36	N 26 14 28.773	W 90 59 7.280
	19126.00	0.60	210.66	19124.64	-84.95	-84.95	64.33	0.19	9526917.67	2300638.99	N 26 14 28.764	W 90 59 7.284

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
	19222.00	0.55	195.37	19220.64	-85.83	-85.83	63.95	0.17	9526916.79	2300638.61	N 26 14 28.756	W 90 59 7.288
	19319.00	0.53	161.76	19317.64	-86.70	-86.70	63.96	0.32	9526915.92	2300638.63	N 26 14 28.747	W 90 59 7.288
	19416.00	0.46	154.37	19414.63	-87.48	-87.48	64.27	0.10	9526915.14	2300638.94	N 26 14 28.739	W 90 59 7.285
	19511.00	0.43	114.23	19509.63	-87.97	-87.97	64.76	0.32	9526914.65	2300639.43	N 26 14 28.734	W 90 59 7.280
	19609.00	0.33	124.12	19607.63	-88.28	-88.28	65.33	0.12	9526914.34	2300640.00	N 26 14 28.731	W 90 59 7.273
	19704.00	0.21	77.07	19702.63	-88.39	-88.39	65.73	0.25	9526914.23	2300640.39	N 26 14 28.730	W 90 59 7.269
	19799.00	0.12	23.46	19797.63	-88.26	-88.26	65.94	0.18	9526914.36	2300640.60	N 26 14 28.731	W 90 59 7.267
	19898.00	0.26	17.89	19896.63	-87.96	-87.96	66.05	0.14	9526914.67	2300640.71	N 26 14 28.734	W 90 59 7.266
	19994.00	0.30	345.24	19992.62	-87.51	-87.51	66.05	0.17	9526915.12	2300640.72	N 26 14 28.739	W 90 59 7.265
	20089.00	0.23	327.53	20087.62	-87.10	-87.10	65.88	0.11	9526915.52	2300640.55	N 26 14 28.743	W 90 59 7.267
	20185.00	0.35	286.40	20183.62	-86.86	-86.86	65.50	0.24	9526915.76	2300640.17	N 26 14 28.745	W 90 59 7.271
	20283.00	0.33	269.85	20281.62	-86.77	-86.77	64.93	0.10	9526915.85	2300639.60	N 26 14 28.746	W 90 59 7.278
	20379.00	0.43	258.18	20377.62	-86.85	-86.85	64.30	0.13	9526915.77	2300638.97	N 26 14 28.745	W 90 59 7.285
	20475.00	0.51	272.91	20473.61	-86.90	-86.90	63.52	0.15	9526915.72	2300638.19	N 26 14 28.745	W 90 59 7.293
	20569.00	0.33	294.98	20567.61	-86.77	-86.77	62.86	0.25	9526915.86	2300637.53	N 26 14 28.746	W 90 59 7.300
	20664.00	0.17	11.22	20662.61	-86.51	-86.51	62.64	0.35	9526916.11	2300637.30	N 26 14 28.749	W 90 59 7.303
	20762.00	0.26	21.08	20760.61	-86.16	-86.16	62.75	0.10	9526916.46	2300637.41	N 26 14 28.752	W 90 59 7.302
	20857.00	0.11	357.52	20855.61	-85.87	-85.87	62.82	0.17	9526916.75	2300637.49	N 26 14 28.755	W 90 59 7.301
	20958.00	0.33	345.16	20956.61	-85.49	-85.49	62.74	0.22	9526917.13	2300637.41	N 26 14 28.759	W 90 59 7.301
	21053.00	0.38	331.79	21051.61	-84.95	-84.95	62.52	0.10	9526917.67	2300637.19	N 26 14 28.764	W 90 59 7.304
	21110.00	0.50	337.10	21108.61	-84.55	-84.55	62.34	0.22	9526918.07	2300637.00	N 26 14 28.768	W 90 59 7.306
	21202.00	0.73	351.90	21200.60	-83.60	-83.60	62.10	0.30	9526919.02	2300636.76	N 26 14 28.778	W 90 59 7.308
	21303.00	0.68	351.88	21301.59	-82.37	-82.37	61.92	0.05	9526920.25	2300636.59	N 26 14 28.790	W 90 59 7.310
	21399.00	0.69	344.76	21397.59	-81.25	-81.25	61.69	0.09	9526921.37	2300636.36	N 26 14 28.801	W 90 59 7.312
	21497.00	0.69	342.25	21495.58	-80.12	-80.12	61.36	0.03	9526922.50	2300636.02	N 26 14 28.812	W 90 59 7.316
	21592.00	0.67	337.21	21590.57	-79.06	-79.06	60.97	0.07	9526923.56	2300635.63	N 26 14 28.823	W 90 59 7.320
	21687.00	0.73	334.86	21685.57	-78.00	-78.00	60.49	0.07	9526924.62	2300635.16	N 26 14 28.834	W 90 59 7.325
	21785.00	0.71	337.42	21783.56	-76.88	-76.88	60.00	0.04	9526925.74	2300634.66	N 26 14 28.845	W 90 59 7.330
	21882.00	0.63	333.60	21880.55	-75.85	-75.85	59.53	0.09	9526926.78	2300634.19	N 26 14 28.855	W 90 59 7.335
	21978.00	0.63	329.05	21976.55	-74.92	-74.92	59.02	0.05	9526927.70	2300633.69	N 26 14 28.864	W 90 59 7.341
	22072.00	0.61	327.13	22070.54	-74.06	-74.06	58.48	0.03	9526928.57	2300633.15	N 26 14 28.873	W 90 59 7.346
	22168.00	0.54	327.59	22166.53	-73.25	-73.25	57.96	0.07	9526929.38	2300632.63	N 26 14 28.881	W 90 59 7.352
	22264.00	0.55	325.08	22262.53	-72.49	-72.49	57.46	0.03	9526930.14	2300632.12	N 26 14 28.889	W 90 59 7.357
	22361.00	0.62	331.93	22359.53	-71.64	-71.64	56.94	0.10	9526930.98	2300631.61	N 26 14 28.897	W 90 59 7.363

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
	22456.00	0.65	327.39	22454.52	-70.73	-70.73	56.41	0.06	9526931.89	2300631.08	N 26 14 28.906	W 90 59 7.368
	22552.00	0.59	322.81	22550.51	-69.88	-69.88	55.82	0.08	9526932.74	2300630.49	N 26 14 28.915	W 90 59 7.375
	22648.00	0.61	321.90	22646.51	-69.09	-69.09	55.21	0.02	9526933.54	2300629.87	N 26 14 28.923	W 90 59 7.381
	22746.00	0.66	320.99	22744.50	-68.24	-68.24	54.53	0.05	9526934.39	2300629.19	N 26 14 28.931	W 90 59 7.389
	22841.00	0.61	326.91	22839.50	-67.39	-67.39	53.91	0.09	9526935.24	2300628.57	N 26 14 28.940	W 90 59 7.395
	22936.00	0.58	329.17	22934.49	-66.55	-66.55	53.39	0.04	9526936.07	2300628.05	N 26 14 28.948	W 90 59 7.401
	23033.00	0.61	323.83	23031.49	-65.71	-65.71	52.83	0.06	9526936.91	2300627.49	N 26 14 28.956	W 90 59 7.407
	23419.00	0.60	327.23	23417.47	-62.35	-62.35	50.52	0.01	9526940.27	2300625.19	N 26 14 28.990	W 90 59 7.432
	23613.00	0.62	327.12	23611.45	-60.62	-60.62	49.40	0.01	9526942.01	2300624.07	N 26 14 29.007	W 90 59 7.444
	24095.00	0.64	321.63	24093.43	-56.32	-56.32	46.32	0.01	9526946.31	2300620.98	N 26 14 29.051	W 90 59 7.477
	24383.00	0.67	315.32	24381.41	-53.86	-53.86	44.13	0.03	9526948.77	2300618.80	N 26 14 29.075	W 90 59 7.500
	24480.00	0.63	314.63	24478.40	-53.08	-53.08	43.36	0.04	9526949.54	2300618.02	N 26 14 29.083	W 90 59 7.509
	24530.00	0.74	313.88	24528.40	-52.66	-52.66	42.93	0.22	9526949.96	2300617.59	N 26 14 29.087	W 90 59 7.513
	24697.00	0.77	312.43	24695.38	-51.16	-51.16	41.32	0.02	9526951.46	2300615.99	N 26 14 29.102	W 90 59 7.531
	24789.00	0.85	318.16	24787.37	-50.23	-50.23	40.41	0.12	9526952.39	2300615.07	N 26 14 29.112	W 90 59 7.541
	24885.00	0.83	316.69	24883.36	-49.20	-49.20	39.46	0.03	9526953.43	2300614.12	N 26 14 29.122	W 90 59 7.551
	24982.00	0.95	322.37	24980.35	-48.05	-48.05	38.49	0.15	9526954.58	2300613.15	N 26 14 29.134	W 90 59 7.561
	25076.00	0.90	320.05	25074.34	-46.87	-46.87	37.54	0.07	9526955.76	2300612.20	N 26 14 29.145	W 90 59 7.572
	25364.00	1.09	320.29	25362.29	-43.03	-43.03	34.33	0.07	9526959.60	2300609.00	N 26 14 29.184	W 90 59 7.606
	25652.00	1.36	335.90	25650.23	-37.80	-37.80	31.19	0.15	9526964.83	2300605.85	N 26 14 29.236	W 90 59 7.640
	25941.00	1.48	347.60	25939.14	-31.02	-31.02	28.99	0.11	9526971.60	2300603.65	N 26 14 29.304	W 90 59 7.663
	26038.00	1.43	352.96	26036.11	-28.60	-28.60	28.57	0.15	9526974.03	2300603.23	N 26 14 29.328	W 90 59 7.667
	26135.00	1.56	358.37	26133.08	-26.08	-26.08	28.38	0.20	9526976.55	2300603.04	N 26 14 29.353	W 90 59 7.669
	26233.00	1.54	0.29	26231.04	-23.43	-23.43	28.35	0.06	9526979.20	2300603.01	N 26 14 29.379	W 90 59 7.668
	26328.00	1.64	1.36	26326.00	-20.79	-20.79	28.39	0.11	9526981.84	2300603.05	N 26 14 29.405	W 90 59 7.668
	26522.00	1.52	4.59	26519.93	-15.45	-15.45	28.66	0.08	9526987.18	2300603.32	N 26 14 29.458	W 90 59 7.664
	26619.00	1.56	1.52	26616.90	-12.85	-12.85	28.80	0.09	9526989.78	2300603.46	N 26 14 29.484	W 90 59 7.662
	26716.00	1.49	2.70	26713.86	-10.27	-10.27	28.89	0.08	9526992.36	2300603.56	N 26 14 29.509	W 90 59 7.660
	26904.00	1.28	0.33	26901.81	-5.73	-5.73	29.02	0.12	9526996.90	2300603.68	N 26 14 29.554	W 90 59 7.658
	27000.00	1.25	2.80	26997.78	-3.61	-3.61	29.08	0.06	9526999.02	2300603.74	N 26 14 29.575	W 90 59 7.657
	27098.00	1.24	358.64	27095.76	-1.48	-1.48	29.11	0.09	9527001.15	2300603.77	N 26 14 29.596	W 90 59 7.656
	27192.00	1.41	355.71	27189.73	0.69	0.69	28.99	0.19	9527003.32	2300603.66	N 26 14 29.618	W 90 59 7.657
	27385.00	1.33	358.07	27382.68	5.29	5.29	28.74	0.05	9527007.92	2300603.40	N 26 14 29.663	W 90 59 7.659

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
	27496.00	1.29	356.40	27493.65	7.83	7.83	28.62	0.05	9527010.46	2300603.28	N 26 14 29.689	W 90 59 7.660
	27594.00	1.25	356.51	27591.63	10.00	10.00	28.49	0.04	9527012.63	2300603.15	N 26 14 29.710	W 90 59 7.661
	27691.00	1.21	355.23	27688.60	12.07	12.07	28.34	0.05	9527014.70	2300603.00	N 26 14 29.731	W 90 59 7.663
	28070.00	1.89	341.78	28067.46	22.00	22.00	26.05	0.20	9527024.63	2300600.71	N 26 14 29.829	W 90 59 7.686
	28453.00	2.03	332.63	28450.24	34.02	34.02	20.96	0.09	9527036.65	2300595.62	N 26 14 29.949	W 90 59 7.740
	28834.00	2.12	322.04	28830.99	45.57	45.57	13.52	0.10	9527048.20	2300588.18	N 26 14 30.065	W 90 59 7.820
	29113.00	2.33	316.39	29109.78	53.74	53.74	6.43	0.11	9527056.38	2300581.09	N 26 14 30.147	W 90 59 7.896
	29217.00	2.36	314.62	29213.70	56.78	56.78	3.45	0.08	9527059.42	2300578.11	N 26 14 30.177	W 90 59 7.928
	29502.00	2.36	311.17	29498.45	64.76	64.76	-5.14	0.05	9527067.40	2300569.52	N 26 14 30.258	W 90 59 8.021
	29596.00	2.15	297.93	29592.38	66.86	66.86	-8.16	0.60	9527069.50	2300566.50	N 26 14 30.279	W 90 59 8.054
Projected to TD	29848.00	2.15	297.93	29844.20	71.29	71.29	-16.51	0.00	9527073.93	2300558.15	N 26 14 30.324	W 90 59 8.145

**Survey Type:** Definitive Survey

**Survey Error Model:** SLB ISCWSA version 21 \*\*\* 3-D 95.00% Confidence 2.7955 sigma

**Surveying Prog:**

MD From (ft)	MD To (ft)	EOU Freq	Survey Tool Type
0.00	29596.00	Act-Stns	SLB_MWD-STD
29596.00	29848.00	Act-Stns	SLB_BLIND