

VIERNES 1/MARZO/85 (12:44)

FRITZ XXXVII DIRECTIONAL SURVEY FOR WELL LD6-7

RAW DATA

WELL No. Z2A-21-599-D-LD6(LD6-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

No.	MEASURED DEPTH	DEVIATION ANGLE	ORIENTATION
1	780	15.00	S - 5.00 - W
2	872	16.00	S - 7.00 - W
3	965	16.50	S - 17.00 - W
4	1046	17.00	S - 1.00 - W
5	1168	22.50	S - 4.00 - E
6	1328	28.00	S - 2.50 - E
7	1483	34.50	S - 1.00 - E
8	1598	41.00	S - 10.00 - W
9	1744	44.50	S - 2.00 - E
10	1930	47.00	S - 1.00 - E
11	2053	47.00	S - 0.00 - E
12	2210	46.50	S - 0.50 - W
13	2396	46.50	S - 1.50 - W
14	2679	46.50	S - 3.00 - W
15	2959	46.50	S - 5.00 - W
16	3272	46.50	S - 7.00 - W
17	3618	46.75	S - 8.50 - W
18	4023	46.75	S - 10.00 - W
19	4586	44.00	S - 17.00 - W
20	4900	44.00	S - 14.00 - W
21	5111	43.00	S - 14.00 - W
22	5555	42.75	S - 15.00 - W
23	5838	42.75	S - 16.00 - W

DIRECTIONAL SURVEY FOR WELL L06-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-599-D-L06(L06-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

	MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE	
*	400	386.37	336.37	S	102.52	E	14.40	103.52 *
	410	396.02	346.02	S	105.09	E	14.18	106.05
	420	405.68	355.68	S	107.67	E	13.95	108.57
	430	415.34	365.34	S	110.25	E	13.73	111.10
	440	425.00	375.00	S	112.83	E	13.50	113.63
	450	434.66	384.66	S	115.41	E	13.28	116.17
	460	444.32	394.32	S	117.99	E	13.05	118.71
	470	453.98	403.98	S	120.56	E	12.82	121.24
	480	463.64	413.64	S	123.14	E	12.60	123.79
	490	473.30	423.30 ✓	S	125.72	E	12.37	126.33
	500	482.96	432.96	S	128.30	E	12.15	128.87
	510	492.62	442.62	S	130.88	E	11.92	131.42
	520	502.28	452.28	S	133.46	E	11.70	133.97
	530	511.94	461.94	S	136.03	E	11.47	136.52
	540	521.59	471.59	S	138.61	E	11.25	139.07
	550	531.25	481.25	S	141.19	E	11.02	141.62
	560	540.91	490.91	S	143.77	E	10.79	144.17
	570	550.57	500.57	S	146.35	E	10.57	146.73
	580	560.23	510.23	S	148.93	E	10.34	149.28
	590	569.89	519.89	S	151.50	E	10.12	151.84
	600	579.55	529.55	S	154.08	E	9.89	154.40
	610	589.21	539.21	S	156.66	E	9.67	156.96
	620	598.87	548.87	S	159.24	E	9.44	159.52
	630	608.53	558.53	S	161.82	E	9.22	162.08
	640	618.19	568.19	S	164.40	E	8.99	164.64
	650	627.85	577.85	S	166.97	E	8.76	167.20
	660	637.51	587.51	S	169.55	E	8.54	169.77
	670	647.17	597.17	S	172.13	E	8.31	172.33
	680	656.82	606.82	S	174.71	E	8.09	174.90
	690	666.48	616.48	S	177.29	E	7.86	177.46
	700	676.14	626.14 ✓	S	179.87	E	7.64	180.03
	710	685.80	635.80	S	182.44	E	7.41	182.59
	720	695.46	645.46	S	185.02	E	7.18	185.16
	730	705.12	655.12	S	187.60	E	6.96	187.73
	740	714.78	664.78	S	190.18	E	6.73	190.30
	750	724.44	674.44	S	192.76	E	6.51	192.87
	760	734.10	684.10	S	195.34	E	6.28	195.44
	770	743.76	693.76	S	197.91	E	6.06	198.01
*	780	753.42	703.42	S	200.49	E	5.83	200.58 *
	790	763.07	713.07	S	203.08	E	5.61	203.15
	800	772.72	722.72	S	205.68	E	5.39	205.75
	810	782.37	732.37	S	208.31	E	5.17	208.36
	820	792.00	742.00	S	210.95	E	4.95	211.00
	830	801.64	751.64	S	213.61	E	4.73	213.65
	840	811.27	761.27	S	216.29	E	4.51	216.32

DIRECTIONAL SURVEY FOR WELL L06-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z24-21-599-D-L06(L06-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL	CD -	ORDINATES	HORIZONTAL DISTANCE
850	820.89	770.89	S	218.98	E 3.56	219.01
860	830.51	780.51	S	221.70	E 3.23	221.72
870	840.12	790.12	S	224.43	E 2.89	224.45
* 872	842.05	792.05	S	224.98	E 2.83	224.99 *
880	849.74	799.74	S	227.09	E 2.18	227.10
890	859.34	809.34	S	229.74	E 1.37	229.75
900	868.95	818.95	S	232.40	E 0.55	232.40
910	878.55	828.55	S	235.07	W 0.25	235.07
920	888.15	838.15	S	237.75	W 1.07	237.75
930	897.75	847.75	S	240.43	W 1.89	240.44
940	907.34	857.34	S	243.13	W 2.71	243.14
950	916.94	866.94	S	245.83	W 3.54	245.86
960	926.53	876.53	S	248.54	W 4.37	248.58
* 965	931.32	881.32	S	249.90	W 4.79	249.95 *
970	936.11	886.11	S	251.32	W 4.81	251.37
980	945.70	895.70	S	254.18	W 4.86	254.23
990	955.28	905.28	S	257.04	W 4.91	257.09
1000	964.85	914.85	S	259.92	W 4.96	259.97
1010	974.43	924.43	S	262.81	W 5.01	262.85
1020	984.00	934.00	S	265.70	W 5.06	265.75
1030	993.57	943.57	S	268.61	W 5.11	268.66
1040	1,003.13	953.13	S	271.53	W 5.16	271.58
* 1046	1,008.87	958.87	S	273.28	W 5.19	273.33 *
1050	1,012.69	962.69	S	274.46	W 5.11	274.51
1060	1,022.22	972.22	S	277.48	W 4.90	277.52
1070	1,031.73	981.73	S	280.58	W 4.68	280.62
1080	1,041.21	991.21	S	283.75	W 4.46	283.78
1090	1,050.67	1,000.67	S	286.99	W 4.23	287.02
1100	1,060.10	1,010.10	S	290.31	W 4.00	290.34
1110	1,069.50	1,019.50	S	293.71	W 3.77	293.73
1120	1,078.88	1,028.88	S	297.17	W 3.52	297.19
1130	1,088.23	1,038.23	S	300.71	W 3.28	300.73
1140	1,097.55	1,047.55	S	304.33	W 3.02	304.34
1150	1,106.84	1,056.84	S	308.01	W 2.76	308.03
1160	1,116.10	1,066.10	S	311.77	W 2.50	311.78
* 1168	1,123.49	1,073.49	S	314.83	W 2.29	314.83 *
1170	1,125.34	1,075.34	S	315.59	W 2.25	315.60
1180	1,134.55	1,084.55	S	319.48	W 2.08	319.49
1190	1,143.74	1,093.74	S	323.43	W 1.91	323.43
1200	1,152.90	1,102.90	S	327.43	W 1.74	327.43
1210	1,162.04	1,112.04	S	331.48	W 1.56	331.49
1220	1,171.16	1,121.16	S	335.59	W 1.38	335.59
1230	1,180.25	1,130.25	S	339.75	W 1.20	339.76
1240	1,189.31	1,139.31	S	343.97	W 1.02	343.97
1250	1,198.35	1,148.35	S	348.25	W 0.83	348.25

DIRECTIONAL SURVEY FOR WELL LD6-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-599-D-LD6(LD6-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES				HORIZONTAL DISTANCE
1260	1,207.36	1,157.36	S	352.57	W	0.64	352.57
1270	1,216.35	1,166.35	S	356.95	W	0.45	356.95
1280	1,225.31	1,175.31	S	361.39	W	0.26	361.39
1290	1,234.25	1,184.25	S	365.87	W	0.06	365.87
1300	1,243.15	1,193.15	S	370.42	E	0.13	370.42
1310	1,252.03	1,202.03	S	375.01	E	0.33	375.01
1320	1,260.89	1,210.89	S	379.66	E	0.53	379.66
* 1328	1,267.95	1,217.95	S	383.41	E	0.70	383.41 *
1330	1,269.71	1,219.71	S	384.35	E	0.71	384.35
1340	1,278.50	1,228.50 ✓	S	389.12	E	0.80	389.12
1350	1,287.25	1,237.25	S	393.96	E	0.88	393.96
1360	1,295.97	1,245.97	S	398.86	E	0.97	398.86
1370	1,304.65	1,254.65	S	403.82	E	1.05	403.82
1380	1,313.30	1,263.30	S	408.85	E	1.14	408.85
1390	1,321.90	1,271.90	S	413.94	E	1.23	413.94
1400	1,330.47	1,280.47	S	419.09	E	1.32	419.09
1410	1,339.01	1,289.01	S	424.31	E	1.41	424.31
1420	1,347.50	1,297.50	S	429.58	E	1.50	429.59
1430	1,355.95	1,305.95	S	434.92	E	1.60	434.92
1440	1,364.37	1,314.37	S	440.32	E	1.69	440.33
1450	1,372.75	1,322.75	S	445.79	E	1.78	445.79
1460	1,381.08	1,331.08	S	451.31	E	1.88	451.31
1470	1,389.38	1,339.38	S	456.89	E	1.98	456.90
1480	1,397.63	1,347.63	S	462.54	E	2.08	462.54
* 1483	1,400.10	1,350.10	S	464.24	E	2.11	464.24 *
1490	1,405.84	1,355.84	S	468.18	E	1.41	468.18
1500	1,413.99	1,363.99	S	473.90	E	0.40	473.90
1510	1,422.08	1,372.08	S	479.69	W	0.61	479.69
1520	1,430.10	1,380.10	S	485.56	W	1.64	485.56
1530	1,438.07	1,388.07	S	491.51	W	2.69	491.51
1540	1,445.98	1,395.98	S	497.53	W	3.75	497.55
1550	1,453.83	1,403.83	S	503.63	W	4.83	503.66
1560	1,461.62	1,411.62	S	509.81	W	5.92	509.85
1570	1,469.35	1,419.35	S	516.06	W	7.02	516.11
1580	1,477.01	1,427.01 ✓	S	522.39	W	8.14	522.46
1590	1,484.61	1,434.61	S	528.79	W	9.27	528.88
* 1598	1,490.65	1,440.65	S	533.96	W	10.18	534.06 *
1600	1,492.15	1,442.15	S	535.28	W	10.13	535.37
1610	1,499.67	1,449.67	S	541.87	W	9.90	541.96
1620	1,507.15	1,457.15	S	548.50	W	9.67	548.58
1630	1,514.61	1,464.61	S	555.15	W	9.44	555.23
1640	1,522.04	1,472.04	S	561.84	W	9.20	561.92
1650	1,529.45	1,479.45	S	568.56	W	8.97	568.63
1660	1,536.82	1,486.82	S	575.31	W	8.73	575.38
1670	1,544.17	1,494.17	S	582.09	W	8.50	582.15

DIRECTIONAL SURVEY FOR WELL L06-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-599-D-L06(L06-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL	CD -	ORDINATES	HORIZONTAL DISTANCE
1680	1,551.48	1,501.48	S	588.90	W 8.26	588.96
1690	1,558.77	1,508.77	S	595.74	W 8.02	595.80
1700	1,566.03	1,516.03	S	602.62	W 7.78	602.67
1710	1,573.27	1,523.27	S	609.52	W 7.54	609.57
1720	1,580.47	1,530.47	S	616.45	W 7.30	616.50
1730	1,587.64	1,537.64	S	623.42	W 7.05	623.45
1740	1,594.79	1,544.79	S	630.41	W 6.81	630.44
* 1744	1,597.64	1,547.64	S	633.21	W 6.71	633.25 *
1750	1,601.91	1,551.91	S	637.42	W 6.64	637.46
1760	1,609.02	1,559.02	S	644.46	W 6.52	644.49
1770	1,616.11	1,566.11	S	651.51	W 6.39	651.54
1780	1,623.16	1,573.16	S	658.57	W 6.27	658.60
1790	1,630.24	1,580.24	S	665.66	W 6.15	665.69
1800	1,637.28	1,587.28	S	672.76	W 6.02	672.79
1810	1,644.30	1,594.30	S	679.88	W 5.90	679.90
1820	1,651.31	1,601.31	S	687.01	W 5.77	687.04
1830	1,658.30	1,608.30	S	694.16	W 5.65	694.19
1840	1,665.27	1,615.27	S	701.33	W 5.52	701.35
1850	1,672.23	1,622.23	S	708.51	W 5.40	708.53
1860	1,679.16	1,629.16	S	715.71	W 5.27	715.73
1870	1,686.09	1,636.09	S	722.93	W 5.15	722.95
1880	1,692.99	1,642.99	S	730.16	W 5.02	730.18
1890	1,699.88	1,649.88	S	737.41	W 4.89	737.42
1900	1,706.75	1,656.75	S	744.67	W 4.77	744.69
1910	1,713.61	1,663.61	S	751.95	W 4.64	751.97
1920	1,720.44	1,670.44	S	759.25	W 4.51	759.26
* 1930	1,727.26	1,677.26	S	766.56	W 4.38	766.57 *
1940	1,734.08	1,684.08	S	773.87	W 4.38	773.89
1950	1,740.90	1,690.90	S	781.19	W 4.38	781.20
1960	1,747.72	1,697.72	S	788.50	W 4.38	788.51
1970	1,754.54	1,704.54	S	795.82	W 4.38	795.83
1980	1,761.36	1,711.36	S	803.13	W 4.38	803.14
1990	1,768.18	1,718.18	S	810.44	W 4.38	810.45
2000	1,775.00	1,725.00	S	817.76	W 4.38	817.77
2010	1,781.82	1,731.82	S	825.07	W 4.38	825.08
2020	1,788.64	1,738.64	S	832.38	W 4.38	832.39
2030	1,795.46	1,745.46	S	839.70	W 4.38	839.71
2040	1,802.28	1,752.28	S	847.01	W 4.38	847.02
2050	1,809.10	1,759.10	S	854.32	W 4.38	854.34
* 2053	1,811.15	1,761.15	S	856.52	W 4.38	856.53 *
2060	1,815.92	1,765.92	S	861.64	W 4.43	861.65
2070	1,822.75	1,772.75	S	868.94	W 4.49	868.95
2080	1,829.58	1,779.58	S	876.25	W 4.56	876.26
2090	1,836.42	1,786.42	S	883.54	W 4.62	883.56
2100	1,843.26	1,793.26	S	890.84	W 4.68	890.85

DIRECTIONAL SURVEY FOR WELL LD6-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-599-D-LD6(LD6-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES	HORIZONTAL DISTANCE
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2110	1,850.10	1,800.10	S 898.13 W 4.75	898.14
2120	1,856.95	1,806.95	S 905.42 W 4.81	905.43
2130	1,863.80	1,813.80	S 912.70 W 4.87	912.72
2140	1,870.65	1,820.65	S 919.98 W 4.94	920.00
2150	1,877.51	1,827.51 ✓	S 927.26 W 5.00	927.27
2160	1,884.38	1,834.38	S 934.53 W 5.06	934.55
2170	1,891.24	1,841.24	S 941.80 W 5.13	941.81
2180	1,898.11	1,848.11	S 949.07 W 5.19	949.08
2190	1,904.99	1,854.99	S 956.33 W 5.25	956.34
2200	1,911.87	1,861.87	S 963.58 W 5.32	963.60
* 2210	1,918.75	1,868.75	S 970.84 W 5.38	970.85 *
2220	1,925.64	1,875.64	S 978.09 W 5.57	978.10
2230	1,932.52	1,882.52	S 985.34 W 5.76	985.36
2240	1,939.40	1,889.40	S 992.59 W 5.95	992.61
2250	1,946.29	1,896.29	S 999.84 W 6.14	999.86
2260	1,953.17	1,903.17	S 1,007.09 W 6.33	1,007.11
2270	1,960.05	1,910.05	S 1,014.35 W 6.52	1,014.37
2280	1,966.94	1,916.94	S 1,021.60 W 6.71	1,021.62
2290	1,973.82	1,923.82	S 1,028.85 W 6.90	1,028.87
2300	1,980.71	1,930.71	S 1,036.10 W 7.09	1,036.12
2310	1,987.59	1,937.59	S 1,043.35 W 7.28	1,043.38
2320	1,994.47	1,944.47	S 1,050.60 W 7.47	1,050.63
2330	2,001.36	1,951.36	S 1,057.85 W 7.66	1,057.88
2340	2,008.24	1,958.24	S 1,065.10 W 7.85	1,065.13
2350	2,015.12	1,965.12	S 1,072.36 W 8.04	1,072.39
2360	2,022.01	1,972.01	S 1,079.61 W 8.23	1,079.64
2370	2,028.89	1,978.89	S 1,086.86 W 8.42	1,086.89
2380	2,035.77	1,985.77	S 1,094.11 W 8.61	1,094.14
2390	2,042.66	1,992.66	S 1,101.36 W 8.80	1,101.40
* 2396	2,046.79	1,996.79	S 1,105.71 W 8.91	1,105.75 *
2400	2,049.54	1,999.54	S 1,108.61 W 9.07	1,108.65
2410	2,056.42	2,006.42	S 1,115.85 W 9.44	1,115.89
2420	2,063.31	2,013.31	S 1,123.10 W 9.82	1,123.14
2430	2,070.19	2,020.19	S 1,130.34 W 10.20	1,130.39
2440	2,077.07	2,027.07 ✓	S 1,137.58 W 10.58	1,137.63
2450	2,083.96	2,033.96	S 1,144.83 W 10.96	1,144.88
2460	2,090.84	2,040.84	S 1,152.07 W 11.34	1,152.13
2470	2,097.73	2,047.73	S 1,159.32 W 11.72	1,159.37
2480	2,104.61	2,054.61	S 1,166.56 W 12.10	1,166.62
2490	2,111.49	2,061.49	S 1,173.80 W 12.48	1,173.87
2500	2,118.38	2,068.38	S 1,181.05 W 12.86	1,181.12
2510	2,125.26	2,075.26	S 1,188.29 W 13.24	1,188.36
2520	2,132.14	2,082.14	S 1,195.53 W 13.62	1,195.61
2530	2,139.03	2,089.03	S 1,202.78 W 14.00	1,202.86
2540	2,145.91	2,095.91	S 1,210.02 W 14.38	1,210.11

DIRECTIONAL SURVEY FOR WELL LD6-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-599-D-LD6(LD6-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

	MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
	2550	2,152.79	2,102.79	S 1,217.27	W 14.76		1,217.36
	2560	2,159.68	2,109.68	S 1,224.51	W 15.14		1,224.60
	2570	2,166.56	2,116.56	S 1,231.75	W 15.52		1,231.85
	2580	2,173.44	2,123.44	S 1,239.00	W 15.90		1,239.10
	2590	2,180.33	2,130.33	S 1,246.24	W 16.28		1,246.35
	2600	2,187.21	2,137.21	S 1,253.48	W 16.66		1,253.60
	2610	2,194.10	2,144.10	S 1,260.73	W 17.04		1,260.84
	2620	2,200.98	2,150.98	S 1,267.97	W 17.42		1,268.09
	2630	2,207.86	2,157.86	S 1,275.22	W 17.80		1,275.34
	2640	2,214.75	2,164.75	S 1,282.46	W 18.18		1,282.59
	2650	2,221.63	2,171.63	S 1,289.70	W 18.56		1,289.84
	2660	2,228.51	2,178.51	S 1,296.95	W 18.94		1,297.09
	2670	2,235.40	2,185.40	S 1,304.19	W 19.32		1,304.33
*	2679	2,241.59	2,191.59	S 1,310.71	W 19.66		1,310.86 *
	2680	2,242.28	2,192.28	S 1,311.43	W 19.72		1,311.58
	2690	2,249.16	2,199.16	S 1,318.66	W 20.35		1,318.82
	2700	2,256.05	2,206.05	S 1,325.89	W 20.98		1,326.05
	2710	2,262.93	2,212.93	S 1,333.11	W 21.62		1,333.29
	2720	2,269.81	2,219.81	S 1,340.34	W 22.25		1,340.52
	2730	2,276.70	2,226.70	S 1,347.56	W 22.88		1,347.76
	2740	2,283.58	2,233.58	S 1,354.79	W 23.51		1,354.99
	2750	2,290.46	2,240.46	S 1,362.02	W 24.15		1,362.23
	2760	2,297.35	2,247.35	S 1,369.24	W 24.78		1,369.47
	2770	2,304.23	2,254.23	S 1,376.47	W 25.41		1,376.70
	2780	2,311.12	2,261.12	S 1,383.69	W 26.04		1,383.94
	2790	2,318.00	2,268.00	S 1,390.92	W 26.67		1,391.18
	2800	2,324.88	2,274.88	S 1,398.15	W 27.31		1,398.41
	2810	2,331.77	2,281.77	S 1,405.37	W 27.94		1,405.65
	2820	2,338.65	2,288.65	S 1,412.60	W 28.57		1,412.89
	2830	2,345.53	2,295.53	S 1,419.83	W 29.20		1,420.13
	2840	2,352.42	2,302.42	S 1,427.05	W 29.84		1,427.36
	2850	2,359.30	2,309.30	S 1,434.28	W 30.47		1,434.60
	2860	2,366.18	2,316.18	S 1,441.50	W 31.10		1,441.84
	2870	2,373.07	2,323.07	S 1,448.73	W 31.73		1,449.08
	2880	2,379.95	2,329.95	S 1,455.96	W 32.36		1,456.32
	2890	2,386.83	2,336.83	S 1,463.18	W 33.00		1,463.55
	2900	2,393.72	2,343.72	S 1,470.41	W 33.63		1,470.79
	2910	2,400.60	2,350.60	S 1,477.63	W 34.26		1,478.03
	2920	2,407.49	2,357.49	S 1,484.86	W 34.89		1,485.27
	2930	2,414.37	2,364.37	S 1,492.09	W 35.53		1,492.51
	2940	2,421.25	2,371.25	S 1,499.31	W 36.16		1,499.75
	2950	2,428.14	2,378.14	S 1,506.54	W 36.79		1,506.99
*	2959	2,434.33	2,384.33	S 1,513.04	W 37.36		1,513.50 *
	2960	2,435.02	2,385.02	S 1,513.76	W 37.45		1,514.23
	2970	2,441.90	2,391.90	S 1,520.96	W 38.33		1,521.45

DIRECTIONAL SURVEY FOR WELL L06-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-599-D-L06(L06-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES			HORIZONTAL DISTANCE
2980	2,448.79	2,398.79	S 1,528.16	W 39.22		1,528.67
2990	2,455.67	2,405.67	S 1,535.36	W 40.10		1,535.89
3000	2,462.55	2,412.55	S 1,542.56	W 40.98		1,543.11
3010	2,469.44	2,419.44	S 1,549.76	W 41.87		1,550.33
3020	2,476.32	2,426.32 ✓	S 1,556.96	W 42.75		1,557.55
3030	2,483.20	2,433.20	S 1,564.16	W 43.64		1,564.77
3040	2,490.09	2,440.09	S 1,571.36	W 44.52		1,571.99
3050	2,496.97	2,446.97	S 1,578.56	W 45.40		1,579.21
3060	2,503.85	2,453.85	S 1,585.76	W 46.29		1,586.44
3070	2,510.74	2,460.74	S 1,592.96	W 47.17		1,593.66
3080	2,517.62	2,467.62	S 1,600.16	W 48.06		1,600.88
3090	2,524.51	2,474.51	S 1,607.36	W 48.94		1,608.10
3100	2,531.39	2,481.39	S 1,614.56	W 49.82		1,615.33
3110	2,538.27	2,488.27	S 1,621.76	W 50.71		1,622.55
3120	2,545.16	2,495.16	S 1,628.96	W 51.59		1,629.77
3130	2,552.04	2,502.04	S 1,636.16	W 52.48		1,637.00
3140	2,558.92	2,508.92	S 1,643.36	W 53.36		1,644.22
3150	2,565.81	2,515.81	S 1,650.56	W 54.24		1,651.45
3160	2,572.69	2,522.69	S 1,657.76	W 55.13		1,658.67
3170	2,579.57	2,529.57	S 1,664.96	W 56.01		1,665.90
3180	2,586.46	2,536.46	S 1,672.16	W 56.90		1,673.12
3190	2,593.34	2,543.34	S 1,679.36	W 57.78		1,680.35
3200	2,600.22	2,550.22	S 1,686.56	W 58.66		1,687.58
3210	2,607.11	2,557.11	S 1,693.76	W 59.55		1,694.80
3220	2,613.99	2,563.99	S 1,700.95	W 60.43		1,702.03
3230	2,620.87	2,570.87	S 1,708.15	W 61.32		1,709.25
3240	2,627.76	2,577.76	S 1,715.35	W 62.20		1,716.48
3250	2,634.64	2,584.64	S 1,722.55	W 63.08		1,723.71
3260	2,641.53	2,591.53	S 1,729.75	W 63.97		1,730.94
3270	2,648.41	2,598.41	S 1,736.95	W 64.85		1,738.16
* 3272	2,649.79	2,599.79	S 1,738.39	W 65.03		1,739.61 *
3280	2,655.29	2,605.29	S 1,744.13	W 65.89		1,745.38
3290	2,662.17	2,612.17	S 1,751.31	W 66.96		1,752.59
3300	2,669.05	2,619.05	S 1,758.48	W 68.03		1,759.80
3310	2,675.94	2,625.94 ✓	S 1,765.66	W 69.10		1,767.01
3320	2,682.81	2,632.81	S 1,772.84	W 70.18		1,774.23
3330	2,689.69	2,639.69	S 1,780.02	W 71.25		1,781.44
3340	2,696.57	2,646.57	S 1,787.20	W 72.32		1,788.66
3350	2,703.45	2,653.45	S 1,794.38	W 73.40		1,795.88
3360	2,710.32	2,660.32	S 1,801.56	W 74.47		1,803.10
3370	2,717.20	2,667.20	S 1,808.74	W 75.54		1,810.32
3380	2,724.07	2,674.07	S 1,815.93	W 76.62		1,817.54
3390	2,730.94	2,680.94	S 1,823.11	W 77.69		1,824.77
3400	2,737.81	2,687.81	S 1,830.30	W 78.76		1,831.99
3410	2,744.69	2,694.69	S 1,837.48	W 79.84		1,839.22

DIRECTIONAL SURVEY FOR WELL L06-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-599-D-L06(L06-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES		HORIZONTAL DISTANCE
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3420	2,751.56	2,701.56	S 1,844.67	W 80.91	1,846.44
3430	2,758.42	2,708.42	S 1,851.86	W 81.99	1,853.67
3440	2,765.29	2,715.29	S 1,859.05	W 83.06	1,860.90
3450	2,772.16	2,722.16	S 1,866.23	W 84.13	1,868.13
3460	2,779.03	2,729.03	S 1,873.42	W 85.21	1,875.36
3470	2,785.89	2,735.89	S 1,880.62	W 86.28	1,882.59
3480	2,792.76	2,742.76	S 1,887.81	W 87.36	1,889.83
3490	2,799.62	2,749.62	S 1,895.00	W 88.43	1,897.06
3500	2,806.48	2,756.48	S 1,902.19	W 89.51	1,904.30
3510	2,813.34	2,763.34	S 1,909.39	W 90.58	1,911.54
3520	2,820.20	2,770.20	S 1,916.58	W 91.66	1,918.77
3530	2,827.06	2,777.06	S 1,923.78	W 92.73	1,926.01
3540	2,833.92	2,783.92	S 1,930.98	W 93.81	1,933.25
3550	2,840.78	2,790.78	S 1,938.17	W 94.89	1,940.50
3560	2,847.64	2,797.64	S 1,945.37	W 95.96	1,947.74
3570	2,854.50	2,804.50	S 1,952.57	W 97.04	1,954.98
3580	2,861.35	2,811.35	S 1,959.77	W 98.11	1,962.23
3590	2,868.20	2,818.20	S 1,966.98	W 99.19	1,969.47
3600	2,875.06	2,825.06	S 1,974.18	W 100.27	1,976.72
3610	2,881.91	2,831.91	S 1,981.38	W 101.34	1,983.97
* 3618	2,887.39	2,837.39	S 1,987.14	W 102.20	1,989.77 *
3620	2,888.76	2,838.76	S 1,988.58	W 102.46	1,991.22
3630	2,895.61	2,845.61	S 1,995.75	W 103.72	1,998.44
3640	2,902.47	2,852.47	S 2,002.92	W 104.99	2,005.67
3650	2,909.32	2,859.32	S 2,010.10	W 106.25	2,012.90
3660	2,916.17	2,866.17	S 2,017.27	W 107.52	2,020.13
3670	2,923.02	2,873.02	S 2,024.44	W 108.78	2,027.36
3680	2,929.87	2,879.87	S 2,031.62	W 110.05	2,034.59
3690	2,936.73	2,886.73	S 2,038.79	W 111.31	2,041.83
3700	2,943.58	2,893.58	S 2,045.96	W 112.58	2,049.06
3710	2,950.43	2,900.43	S 2,053.14	W 113.84	2,056.29
3720	2,957.28	2,907.28	S 2,060.31	W 115.11	2,063.52
3730	2,964.13	2,914.13	S 2,067.48	W 116.37	2,070.75
3740	2,970.98	2,920.98	S 2,074.65	W 117.63	2,077.99
3750	2,977.84	2,927.84	S 2,081.83	W 118.90	2,085.22
3760	2,984.69	2,934.69	S 2,089.00	W 120.16	2,092.45
3770	2,991.54	2,941.54	S 2,096.17	W 121.43	2,099.69
3780	2,998.39	2,948.39	S 2,103.35	W 122.69	2,106.92
3790	3,005.24	2,955.24	S 2,110.52	W 123.96	2,114.16
3800	3,012.10	2,962.10	S 2,117.69	W 125.22	2,121.39
3810	3,018.95	2,968.95	S 2,124.87	W 126.49	2,128.63
3820	3,025.80	2,975.80	S 2,132.04	W 127.75	2,135.86
3830	3,032.65	2,982.65	S 2,139.21	W 129.02	2,143.10
3840	3,039.50	2,989.50	S 2,146.38	W 130.28	2,150.34
3850	3,046.35	2,996.35	S 2,153.56	W 131.55	2,157.57

DIRECTIONAL SURVEY FOR WELL LD6-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z24-21-599-D-LD6(LD6-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES		HORIZONTAL DISTANCE
3860	3,053.21	3,003.21	S 2,160.73	W 132.81	2,164.81
3870	3,060.06	3,010.06	S 2,167.90	W 134.08	2,172.05
3880	3,066.91	3,016.91	S 2,175.08	W 135.34	2,179.28
3890	3,073.76	3,023.76	S 2,182.25	W 136.61	2,186.52
3900	3,080.61	3,030.61	S 2,189.42	W 137.87	2,193.76
3910	3,087.47	3,037.47	S 2,196.60	W 139.14	2,201.00
3920	3,094.32	3,044.32	S 2,203.77	W 140.40	2,208.24
3930	3,101.17	3,051.17	S 2,210.94	W 141.67	2,215.48
3940	3,108.02	3,058.02	S 2,218.12	W 142.93	2,222.72
3950	3,114.87	3,064.87	S 2,225.29	W 144.20	2,229.96
3960	3,121.73	3,071.73	S 2,232.46	W 145.46	2,237.20
3970	3,128.58	3,078.58	S 2,239.63	W 146.73	2,244.44
3980	3,135.43	3,085.43	S 2,246.81	W 147.99	2,251.68
3990	3,142.28	3,092.28	S 2,253.98	W 149.25	2,258.92
4000	3,149.13	3,099.13	S 2,261.15	W 150.52	2,266.16
4010	3,155.98	3,105.98	S 2,268.33	W 151.78	2,273.40
4020	3,162.84	3,112.84	S 2,275.50	W 153.05	2,280.64
* 4023	3,164.89	3,114.89	S 2,277.65	W 153.43	2,282.81 *
4030	3,169.69	3,119.69	S 2,282.52	W 154.92	2,287.78
4040	3,176.55	3,126.55	S 2,289.48	W 157.05	2,294.86
4050	3,183.42	3,133.42	S 2,296.43	W 159.17	2,301.94
4060	3,190.30	3,140.30	S 2,303.38	W 161.29	2,309.02
4070	3,197.18	3,147.18	S 2,310.32	W 163.41	2,316.09
4080	3,204.06	3,154.06	S 2,317.25	W 165.53	2,323.15
4090	3,210.96	3,160.96	S 2,324.18	W 167.65	2,330.22
4100	3,217.86	3,167.86	S 2,331.10	W 169.77	2,337.27
4110	3,224.76	3,174.76	S 2,338.02	W 171.88	2,344.33
4120	3,231.68	3,181.68	S 2,344.93	W 174.00	2,351.37
4130	3,238.59	3,188.59	S 2,351.83	W 176.11	2,358.42
4140	3,245.52	3,195.52	S 2,358.73	W 178.22	2,365.46
4150	3,252.45	3,202.45	S 2,365.63	W 180.33	2,372.49
4160	3,259.38	3,209.38	S 2,372.51	W 182.43	2,379.52
4170	3,266.33	3,216.33	S 2,379.40	W 184.54	2,386.54
4180	3,273.28	3,223.28	S 2,386.27	W 186.64	2,393.56
4190	3,280.23	3,230.23	S 2,393.15	W 188.74	2,400.58
4200	3,287.19	3,237.19	S 2,400.01	W 190.84	2,407.59
4210	3,294.16	3,244.16	S 2,406.87	W 192.94	2,414.59
4220	3,301.13	3,251.13	S 2,413.73	W 195.03	2,421.59
4230	3,308.11	3,258.11	S 2,420.57	W 197.12	2,428.59
4240	3,315.10	3,265.10	S 2,427.42	W 199.22	2,435.58
4250	3,322.09	3,272.09	S 2,434.25	W 201.31	2,442.56
4260	3,329.08	3,279.08	S 2,441.09	W 203.40	2,449.55
4270	3,336.09	3,286.09	S 2,447.91	W 205.48	2,456.52
4280	3,343.10	3,293.10	S 2,454.73	W 207.57	2,463.49
4290	3,350.11	3,300.11	S 2,461.55	W 209.65	2,470.46

DIRECTIONAL SURVEY FOR WELL L06-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z26-21-599-D-L06(L06-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES		HORIZONTAL DISTANCE
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4300	3,357.14	3,307.14	S 2,468.36	W 211.73	2,477.42
4310	3,364.16	3,314.16	S 2,475.16	W 213.81	2,484.38
4320	3,371.20	3,321.20	S 2,481.96	W 215.89	2,491.33
4330	3,378.24	3,328.24	S 2,488.75	W 217.97	2,498.28
4340	3,385.28	3,335.28	S 2,495.53	W 220.04	2,505.22
4350	3,392.34	3,342.34	S 2,502.31	W 222.11	2,512.15
4360	3,399.39	3,349.39	S 2,509.09	W 224.19	2,519.08
4370	3,406.46	3,356.46	S 2,515.86	W 226.26	2,526.01
4380	3,413.53	3,363.53	S 2,522.62	W 228.32	2,532.93
4390	3,420.61	3,370.61	S 2,529.38	W 230.39	2,539.85
4400	3,427.69	3,377.69	S 2,536.13	W 232.45	2,546.76
4410	3,434.78	3,384.78	S 2,542.87	W 234.52	2,553.67
4420	3,441.87	3,391.87	S 2,549.61	W 236.58	2,560.57
4430	3,448.97	3,398.97	S 2,556.35	W 238.63	2,567.46
4440	3,456.08	3,406.08	S 2,563.08	W 240.69	2,574.35
4450	3,463.19	3,413.19	S 2,569.80	W 242.75	2,581.24
4460	3,470.31	3,420.31✓	S 2,576.51	W 244.80	2,588.12
4470	3,477.43	3,427.43	S 2,583.23	W 246.85	2,594.99
4480	3,484.56	3,434.56	S 2,589.93	W 248.90	2,601.86
4490	3,491.70	3,441.70	S 2,596.63	W 250.95	2,608.73
4500	3,498.84	3,448.84	S 2,603.32	W 253.00	2,615.59
4510	3,505.99	3,455.99	S 2,610.01	W 255.04	2,622.44
4520	3,513.14	3,463.14	S 2,616.69	W 257.08	2,629.29
4530	3,520.30	3,470.30	S 2,623.37	W 259.12	2,636.13
4540	3,527.47	3,477.47	S 2,630.04	W 261.16	2,642.97
4550	3,534.64	3,484.64	S 2,636.70	W 263.20	2,649.81
4560	3,541.82	3,491.82	S 2,643.36	W 265.24	2,656.63
4570	3,549.00	3,499.00	S 2,650.01	W 267.27	2,663.46
4580	3,556.19	3,506.19	S 2,656.66	W 269.30	2,670.27
* 4586	3,560.51	3,510.51	S 2,660.64	W 270.52	2,674.36 *
4590	3,563.39	3,513.39	S 2,663.34	W 271.19	2,677.11
4600	3,570.58	3,520.58	S 2,670.08	W 272.87	2,683.99
4610	3,577.77	3,527.77	S 2,676.82	W 274.55	2,690.87
4620	3,584.97	3,534.97	S 2,683.56	W 276.24	2,697.74
4630	3,592.16	3,542.16	S 2,690.30	W 277.92	2,704.62
4640	3,599.35	3,549.35	S 2,697.04	W 279.60	2,711.50
4650	3,606.55	3,556.55	S 2,703.78	W 281.28	2,718.37
4660	3,613.74	3,563.74	S 2,710.52	W 282.96	2,725.25
4670	3,620.93	3,570.93	S 2,717.26	W 284.64	2,732.13
4680	3,628.13	3,578.13	S 2,724.00	W 286.32	2,739.01
4690	3,635.32	3,585.32	S 2,730.74	W 288.00	2,745.89
4700	3,642.51	3,592.51	S 2,737.48	W 289.68	2,752.77
4710	3,649.71	3,599.71	S 2,744.22	W 291.36	2,759.65
4720	3,656.90	3,606.90	S 2,750.96	W 293.04	2,766.53
4730	3,664.10	3,614.10	S 2,757.70	W 294.72	2,773.41

DIRECTIONAL SURVEY FOR WELL LD6-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-599-D-LD6(LD6-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES		HORIZONTAL DISTANCE
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4740	3,671.29	3,621.29✓	S 2,764.44	W 296.40	2,780.29
4750	3,678.48	3,628.48	S 2,771.18	W 298.08	2,787.17
4760	3,685.68	3,635.68	S 2,777.92	W 299.76	2,794.05
4770	3,692.87	3,642.87	S 2,784.67	W 301.44	2,800.93
4780	3,700.06	3,650.06	S 2,791.41	W 303.12	2,807.82
4790	3,707.26	3,657.26	S 2,798.15	W 304.80	2,814.70
4800	3,714.45	3,664.45	S 2,804.89	W 306.48	2,821.58
4810	3,721.64	3,671.64	S 2,811.63	W 308.17	2,828.46
4820	3,728.84	3,678.84	S 2,818.37	W 309.85	2,835.35
4830	3,736.03	3,686.03	S 2,825.11	W 311.53	2,842.23
4840	3,743.22	3,693.22	S 2,831.85	W 313.21	2,849.12
4850	3,750.42	3,700.42	S 2,838.59	W 314.89	2,856.00
4860	3,757.61	3,707.61	S 2,845.33	W 316.57	2,862.88
4870	3,764.80	3,714.80	S 2,852.07	W 318.25	2,869.77
4880	3,772.00	3,722.00	S 2,858.81	W 319.93	2,876.65
4890	3,779.19	3,729.19	S 2,865.55	W 321.61	2,883.54
* 4900	3,786.38	3,736.38	S 2,872.29	W 323.29	2,890.43 *
4910	3,793.58	3,743.58	S 2,879.02	W 324.97	2,897.31
4920	3,800.79	3,750.79	S 2,885.75	W 326.65	2,904.18
4930	3,808.00	3,758.00	S 2,892.47	W 328.32	2,911.05
4940	3,815.21	3,765.21	S 2,899.19	W 330.00	2,917.91
4950	3,822.44	3,772.44	S 2,905.90	W 331.67	2,924.77
4960	3,829.66	3,779.66	S 2,912.61	W 333.34	2,931.62
4970	3,836.90	3,786.90	S 2,919.31	W 335.01	2,938.47
4980	3,844.14	3,794.14	S 2,926.00	W 336.68	2,945.31
4990	3,851.38	3,801.38	S 2,932.69	W 338.35	2,952.14
5000	3,858.63	3,808.63	S 2,939.37	W 340.02	2,958.97
5010	3,865.89	3,815.89	S 2,946.05	W 341.68	2,965.80
5020	3,873.15	3,823.15✓	S 2,952.72	W 343.34	2,972.61
5030	3,880.42	3,830.42	S 2,959.38	W 345.01	2,979.43
5040	3,887.69	3,837.69	S 2,966.04	W 346.67	2,986.23
5050	3,894.97	3,844.97	S 2,972.70	W 348.32	2,993.03
5060	3,902.25	3,852.25	S 2,979.34	W 349.98	2,999.83
5070	3,909.55	3,859.55	S 2,985.98	W 351.64	3,006.62
5080	3,916.84	3,866.84	S 2,992.62	W 353.29	3,013.40
5090	3,924.14	3,874.14	S 2,999.25	W 354.95	3,020.18
5100	3,931.45	3,881.45	S 3,005.87	W 356.60	3,026.95
5110	3,938.76	3,888.76	S 3,012.49	W 358.25	3,033.72
* 5111	3,939.49	3,889.49	S 3,013.15	W 358.41	3,034.40 *
5120	3,946.08	3,896.08	S 3,019.08	W 360.00	3,040.47
5130	3,953.39	3,903.39	S 3,025.67	W 361.77	3,047.22
5140	3,960.71	3,910.71	S 3,032.25	W 363.53	3,053.97
5150	3,968.02	3,918.02	S 3,038.84	W 365.29	3,060.72
5160	3,975.34	3,925.34	S 3,045.42	W 367.06	3,067.46
5170	3,982.66	3,932.66	S 3,052.01	W 368.82	3,074.21

DIRECTIONAL SURVEY FOR WELL L06-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-599-D-L06(L06-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES		HORIZONTAL DISTANCE
5180	3,989.98	3,939.98	S 3,058.59	W 370.59	3,080.96
5190	3,997.30	3,947.30	S 3,065.17	W 372.35	3,087.71
5200	4,004.61	3,954.61	S 3,071.75	W 374.11	3,094.45
5210	4,011.93	3,961.93	S 3,078.33	W 375.88	3,101.20
5220	4,019.26	3,969.26	S 3,084.91	W 377.64	3,107.94
5230	4,026.58	3,976.58	S 3,091.49	W 379.40	3,114.69
5240	4,033.90	3,983.90	S 3,098.07	W 381.17	3,121.43
5250	4,041.22	3,991.22	S 3,104.65	W 382.93	3,128.18
5260	4,048.55	3,998.55	S 3,111.23	W 384.69	3,134.92
5270	4,055.87	4,005.87	S 3,117.80	W 386.45	3,141.66
5280	4,063.19	4,013.19	S 3,124.38	W 388.21	3,148.41
5290	4,070.52	4,020.52	S 3,130.95	W 389.98	3,155.15
5300	4,077.85	4,027.85	S 3,137.53	W 391.74	3,161.89
5310	4,085.17	4,035.17	S 3,144.10	W 393.50	3,168.63
5320	4,092.50	4,042.50	S 3,150.68	W 395.26	3,175.37
5330	4,099.83	4,049.83	S 3,157.25	W 397.02	3,182.11
5340	4,107.16	4,057.16	S 3,163.82	W 398.78	3,188.85
5350	4,114.49	4,064.49	S 3,170.39	W 400.54	3,195.59
5360	4,121.82	4,071.82	S 3,176.96	W 402.30	3,202.33
5370	4,129.15	4,079.15	S 3,183.53	W 404.06	3,209.07
5380	4,136.48	4,086.48	S 3,190.10	W 405.82	3,215.81
5390	4,143.81	4,093.81	S 3,196.67	W 407.58	3,222.55
5400	4,151.15	4,101.15	S 3,203.24	W 409.34	3,229.29
5410	4,158.48	4,108.48	S 3,209.80	W 411.10	3,236.02
5420	4,165.81	4,115.81	S 3,216.37	W 412.86	3,242.76
5430	4,173.15	4,123.15	S 3,222.93	W 414.62	3,249.49
5440	4,180.48	4,130.48	S 3,229.50	W 416.38	3,256.23
5450	4,187.82	4,137.82	S 3,236.06	W 418.14	3,262.97
5460	4,195.16	4,145.16	S 3,242.63	W 419.90	3,269.70
5470	4,202.49	4,152.49	S 3,249.19	W 421.66	3,276.43
5480	4,209.83	4,159.83	S 3,255.75	W 423.42	3,283.17
5490	4,217.17	4,167.17	S 3,262.31	W 425.17	3,289.90
5500	4,224.51	4,174.51	S 3,268.87	W 426.93	3,296.63
5510	4,231.85	4,181.85	S 3,275.43	W 428.69	3,303.37
5520	4,239.19	4,189.19	S 3,281.99	W 430.45	3,310.10
5530	4,246.53	4,196.53	S 3,288.55	W 432.20	3,316.83
5540	4,253.88	4,203.88	S 3,295.11	W 433.96	3,323.56
5550	4,261.22	4,211.22	S 3,301.66	W 435.72	3,330.29
* 5555	4,264.89	4,214.89	S 3,304.94	W 436.60	3,333.66 *
5560	4,268.56	4,218.56	S 3,308.21	W 437.53	3,337.01
5570	4,275.90	4,225.90	S 3,314.73	W 439.40	3,343.73
5580	4,283.25	4,233.25	S 3,321.26	W 441.27	3,350.44
5590	4,290.59	4,240.59	S 3,327.78	W 443.14	3,357.16
5600	4,297.93	4,247.93	S 3,334.31	W 445.02	3,363.87
5610	4,305.28	4,255.28	S 3,340.83	W 446.89	3,370.59

DIRECTIONAL SURVEY FOR WELL LD6-7

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z24-21-599-D-LD6(LD6-7)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 23

CONDUCTOR DATA: 400' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 8.00 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES			HORIZONTAL DISTANCE
5620	4,312.62	4,262.62	S 3,347.36	W 448.76		3,377.30
5630	4,319.96	4,269.96	S 3,353.88	W 450.63		3,384.02
5640	4,327.31	4,277.31	S 3,360.41	W 452.50		3,390.74
5650	4,334.65	4,284.65	S 3,366.93	W 454.37		3,397.45
5660	4,341.99	4,291.99	S 3,373.46	W 456.24		3,404.17
5670	4,349.34	4,299.34	S 3,379.98	W 458.11		3,410.89
5680	4,356.68	4,306.68	S 3,386.51	W 459.98		3,417.60
5690	4,364.02	4,314.02	S 3,393.03	W 461.86		3,424.32
5700	4,371.37	4,321.37	S 3,399.56	W 463.73		3,431.04
5710	4,378.71	4,328.71	S 3,406.08	W 465.60		3,437.76
5720	4,386.05	4,336.05	S 3,412.61	W 467.47		3,444.48
5730	4,393.40	4,343.40	S 3,419.13	W 469.34		3,451.19
5740	4,400.74	4,350.74	S 3,425.66	W 471.21		3,457.91
5750	4,408.08	4,358.08	S 3,432.18	W 473.08		3,464.63
5760	4,415.43	4,365.43	S 3,438.71	W 474.95		3,471.35
5770	4,422.77	4,372.77	S 3,445.23	W 476.82		3,478.07
5780	4,430.11	4,380.11	S 3,451.76	W 478.69		3,484.79
5790	4,437.46	4,387.46	S 3,458.28	W 480.57		3,491.51
5800	4,444.80	4,394.80	S 3,464.81	W 482.44		3,498.23
5810	4,452.14	4,402.14	S 3,471.33	W 484.31		3,504.95
5820	4,459.49	4,409.49	S 3,477.86	W 486.18		3,511.67
5830	4,466.83	4,416.83	S 3,484.38	W 488.05		3,518.40
* 5838	4,472.70	4,422.70	S 3,489.60	W 489.55		3,523.77 *