

DIRECTIONAL SURVEY FOR WELL LD6-5
RAW DATA

WELL No. 72A-21-606-D-LD6(LD6-5) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

No.	MEASURED DEPTH	DEVIATION ANGLE	ORIENTATION
1	701	12.50	S - 52.00 - E
2	860	14.50	S - 75.00 - E
3	900	16.00	S - 87.00 - E
4	1039	21.00	S - 87.00 - E
5	1163	26.00	S - 85.00 - E
6	1286	32.00	S - 83.00 - E
7	1443	33.50	S - 81.00 - E
8	1646	36.00	S - 74.00 - E
9	1831	41.50	S - 65.00 - E
10	1964	43.00	S - 66.00 - E
11	2089	42.00	S - 65.00 - E
12	2246	41.50	S - 65.00 - E
13	2401	41.50	S - 63.00 - E
14	2557	41.50	S - 61.50 - E
15	2713	41.50	S - 60.50 - E
16	2869	41.50	S - 60.50 - E
17	3024	41.50	S - 58.50 - E
18	3076	40.00	S - 62.00 - E
19	3146	40.00	S - 69.00 - E
20	3331	40.00	S - 69.00 - E
21	3581	40.50	S - 66.00 - E
22	3906	40.50	S - 64.00 - E
23	4205	41.00	S - 64.00 - E
24	4327	42.75	S - 63.00 - E
25	4483	44.50	S - 59.00 - E
26	4738	45.00	S - 57.00 - E
27	5173	47.00	S - 53.00 - E
28	5528	47.75	S - 51.00 - E
29	5689	48.00	S - 50.00 - E

DIRECTIONAL SURVEY FOR WELL LD6-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z24-21-606-D-LD6(LD6-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
* 400	385.45	335.45	S	48.26	E 95.37	106.89 *
410	395.09	345.09	S	49.89	E 97.47	109.50
420	404.73	354.73	S	51.52	E 99.55	112.09
430	414.38	364.38	S	53.13	E 101.61	114.67
440	424.04	374.04	S	54.74	E 103.67	117.23
450	433.70	383.70	S	56.33	E 105.71	119.78
460	443.36	393.36	S	57.91	E 107.73	122.31
470	453.03	403.03	S	59.49	E 109.75	124.83
480	462.70	412.70	S	61.05	E 111.75	127.34
490	472.38	422.38	S	62.60	E 113.73	129.82
500	482.06	432.06	S	64.14	E 115.71	132.30
510	491.75	441.75 ✓	S	65.67	E 117.67	134.75 /
520	501.44	451.44	S	67.20	E 119.61	137.20
530	511.13	461.13	S	68.71	E 121.55	139.62
540	520.83	470.83	S	70.21	E 123.47	142.03
550	530.53	480.53	S	71.70	E 125.37	144.43
560	540.24	490.24	S	73.18	E 127.27	146.81
570	549.95	499.95	S	74.64	E 129.15	149.17
580	559.66	509.66	S	76.10	E 131.01	151.52
590	569.38	519.38	S	77.55	E 132.87	153.85
600	579.11	529.11	S	78.99	E 134.71	156.16
610	588.84	538.84	S	80.42	E 136.54	158.46
620	598.57	548.57	S	81.83	E 138.35	160.74
630	608.30	558.30	S	83.24	E 140.15	163.01
640	618.04	568.04	S	84.64	E 141.94	165.26
650	627.78	577.78	S	86.02	E 143.71	167.49
660	637.53	587.53	S	87.40	E 145.47	169.71
670	647.28	597.28	S	88.76	E 147.22	171.91
680	657.04	607.04	S	90.12	E 148.95	174.09
690	666.80	616.80	S	91.46	E 150.67	176.26
700	676.56	626.56	S	92.80	E 152.38	178.41
* 701	677.54	627.54	S	92.93	E 152.55	178.63 *
710	686.32	636.32 ✓	S	93.44	E 154.45	180.51 /
720	696.07	646.07	S	94.01	E 156.58	182.63
730	705.82	655.82	S	94.58	E 158.73	184.78
740	715.57	665.57	S	95.17	E 160.90	186.94
750	725.30	675.30	S	95.75	E 163.09	189.13
760	735.04	685.04	S	96.35	E 165.31	191.34
770	744.77	694.77	S	96.94	E 167.54	193.57
780	754.49	704.49	S	97.55	E 169.79	195.82
790	764.21	714.21	S	98.16	E 172.07	198.10
800	773.92	723.92	S	98.77	E 174.36	200.40
810	783.63	733.63	S	99.39	E 176.68	202.72
820	793.34	743.34	S	100.02	E 179.01	205.06
830	803.03	753.03	S	100.65	E 181.37	207.43

DIRECTIONAL SURVEY FOR WELL L06-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-606-D-L06(L06-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
840	812.73	762.73	S	101.29	E 183.75	209.82
850	822.41	772.41	S	101.93	E 186.15	212.23
* 860	832.09	782.09	S	102.58	E 188.56	214.66 *
870	841.76	791.76	S	102.71	E 191.13	216.98
880	851.41	801.41	S	102.85	E 193.75	219.36
890	861.04	811.04	S	102.99	E 196.44	221.81
* 900	870.65	820.65	S	103.14	E 199.20	224.32 *
910	880.25	830.25	S	103.28	E 202.01	226.88
920	889.82	839.82	S	103.43	E 204.88	229.51
930	899.38	849.38	S	103.59	E 207.82	232.20
940	908.92	858.92	S	103.74	E 210.81	234.96
950	918.44	868.44	S	103.90	E 213.84	237.77
960	927.95	877.95	S	104.07	E 216.97	240.64
970	937.43	887.43	S	104.23	E 220.14	243.58
980	946.89	896.89	S	104.40	E 223.38	246.57
990	956.33	906.33	S	104.58	E 226.67	249.63
1000	965.75	915.75	S	104.75	E 230.02	252.75
1010	975.15	925.15	S	104.93	E 233.42	255.93
1020	984.53	934.53	S	105.11	E 236.89	259.17
1030	993.89	943.89	S	105.30	E 240.42	262.47
* 1039	1,002.29	952.29	S	105.47	E 243.64	265.49 *
1040	1,003.22	953.22	S	105.50	E 244.00	265.83
1050	1,012.53	962.53	S	105.82	E 247.64	269.30
1060	1,021.81	971.81	S	106.14	E 251.34	272.84
1070	1,031.07	981.07	S	106.47	E 255.12	276.44
1080	1,040.29	990.29	S	106.81	E 258.95	280.12
1090	1,049.50	999.50	S	107.15	E 262.86	283.86
1100	1,058.67	1,008.67	S	107.49	E 266.82	287.66
1110	1,067.81	1,017.81	S	107.85	E 270.85	291.53
1120	1,076.93	1,026.93	S	108.20	E 274.95	295.47
1130	1,086.02	1,036.02	S	108.57	E 279.10	299.48
1140	1,095.08	1,045.08	S	108.94	E 283.32	303.55
1150	1,104.10	1,054.10	S	109.31	E 287.61	307.68
1160	1,113.10	1,063.10	S	109.69	E 291.96	311.89
* 1163	1,115.80	1,065.80	S	109.81	E 293.27	313.15 *
1170	1,122.07	1,072.07	S	110.19	E 296.35	316.17
1180	1,130.99	1,080.99	S	110.74	E 300.83	320.57
1190	1,139.88	1,089.88	S	111.29	E 305.39	325.04
1200	1,148.72	1,098.72	S	111.86	E 310.02	329.58
1210	1,157.53	1,107.53	S	112.44	E 314.72	334.20
1220	1,166.29	1,116.29	S	113.03	E 319.50	338.90
1230	1,175.02	1,125.02	S	113.62	E 324.35	343.68
1240	1,183.70	1,133.70	S	114.23	E 329.28	348.53
1250	1,192.34	1,142.34	S	114.84	E 334.28	353.46
1260	1,200.93	1,150.93	S	115.47	E 339.35	358.46

DIRECTIONAL SURVEY FOR WELL LOG-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z24-21-606-D-LOG(106-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES				HORIZONTAL DISTANCE
1270	1,209.49	1,159.49	S	116.10	E	344.49	363.53
1280	1,217.99	1,167.99	S	116.74	E	349.71	368.68
* 1286	1,223.08	1,173.08	S	117.12	E	352.87	371.80 *
1290	1,226.47	1,176.47	S	117.46	E	354.96	373.89
1300	1,234.94	1,184.94	S	118.29	E	360.21	379.14
1310	1,243.40	1,193.40	S	119.12	E	365.48	384.41
1320	1,251.85	1,201.85	S	119.96	E	370.76	389.69
1330	1,260.29	1,210.29	S	120.80	E	376.06	394.99
1340	1,268.72	1,218.72	S	121.64	E	381.37	400.30
1350	1,277.15	1,227.15	S	122.48	E	386.69	405.63
1360	1,285.56	1,235.56	S	123.33	E	392.03	410.97
1370	1,293.97	1,243.97 ✓	S	124.17	E	397.38	416.33
1380	1,302.36	1,252.36	S	125.02	E	402.74	421.70
1390	1,310.75	1,260.75	S	125.88	E	408.12	427.09
1400	1,319.13	1,269.13	S	126.73	E	413.51	432.50
1410	1,327.50	1,277.50	S	127.59	E	418.92	437.92
1420	1,335.86	1,285.86	S	128.45	E	424.34	443.35
1430	1,344.21	1,294.21	S	129.31	E	429.77	448.81
1440	1,352.55	1,302.55	S	130.17	E	435.22	454.27
* 1443	1,355.05	1,305.05	S	130.43	E	436.86	455.91 *
1450	1,360.88	1,310.88	S	131.49	E	440.58	459.78
1460	1,369.20	1,319.20	S	133.02	E	445.91	465.33
1470	1,377.51	1,327.51	S	134.56	E	451.27	470.90
1480	1,385.80	1,335.80	S	136.10	E	456.63	476.49
1490	1,394.09	1,344.09	S	137.64	E	462.02	482.09
1500	1,402.36	1,352.36	S	139.19	E	467.42	487.71
1510	1,410.61	1,360.61	S	140.75	E	472.84	493.35
1520	1,418.86	1,368.86	S	142.31	E	478.28	499.00
1530	1,427.10	1,377.10	S	143.87	E	483.74	504.68
1540	1,435.32	1,385.32	S	145.44	E	489.21	510.37
1550	1,443.53	1,393.53	S	147.01	E	494.70	516.08
1560	1,451.72	1,401.72	S	148.59	E	500.20	521.81
1570	1,459.91	1,409.91	S	150.18	E	505.72	527.55
1580	1,468.08	1,418.08	S	151.76	E	511.26	533.31
1590	1,476.24	1,426.24	S	153.36	E	516.82	539.09
1600	1,484.39	1,434.39	S	154.95	E	522.39	544.89
1610	1,492.53	1,442.53 ✓	S	156.56	E	527.98	550.71
1620	1,500.65	1,450.65	S	158.17	E	533.59	556.54
1630	1,508.76	1,458.76	S	159.78	E	539.21	562.39
1640	1,516.86	1,466.86	S	161.40	E	544.85	568.26
* 1646	1,521.71	1,471.71	S	162.37	E	548.24	571.78 *
1650	1,524.94	1,474.94	S	163.36	E	550.38	574.11
1660	1,532.99	1,482.99	S	165.87	E	555.76	579.99
1670	1,541.01	1,491.01	S	168.40	E	561.18	585.90
1680	1,548.99	1,498.99	S	170.94	E	566.63	591.86

DIRECTIONAL SURVEY FOR WELL LD6-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-606-D-LD6(1D6-5) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
1690	1,556.94	1,506.94	S	173.50	E 572.13	597.86
1700	1,564.87	1,514.87	S	176.08	E 577.66	603.90
1710	1,572.76	1,522.76	S	178.68	E 583.22	609.98
1720	1,580.62	1,530.62	S	181.29	E 588.83	616.11
1730	1,588.44	1,538.44	S	183.92	E 594.47	622.27
1740	1,596.24	1,546.24	S	186.57	E 600.15	628.48
1750	1,604.00	1,554.00	S	189.24	E 605.86	634.73
1760	1,611.73	1,561.73	S	191.92	E 611.62	641.02
1770	1,619.42	1,569.42	S	194.62	E 617.40	647.35
1780	1,627.08	1,577.08	S	197.33	E 623.23	653.72
1790	1,634.71	1,584.71	S	200.07	E 629.09	660.13
1800	1,642.31	1,592.31	S	202.81	E 634.98	666.59
1810	1,649.87	1,599.87	S	205.58	E 640.91	673.08
1820	1,657.40	1,607.40	S	208.36	E 646.88	679.61
1830	1,664.89	1,614.89	S	211.16	E 652.88	686.18
* 1831	1,665.64	1,615.64	S	211.44	E 653.46	686.84 *
1840	1,672.37	1,622.37	S	213.87	E 658.94	692.78
1850	1,679.83	1,629.83	S	216.58	E 665.02	699.40
1860	1,687.29	1,637.29	S	219.29	E 671.11	706.03
1870	1,694.72	1,644.72	S	222.01	E 677.22	712.68
1880	1,702.15	1,652.15	S	224.73	E 683.34	719.34
1890	1,709.56	1,659.56	S	227.46	E 689.47	726.02
1900	1,716.96	1,666.96	S	230.20	E 695.61	732.72
1910	1,724.35	1,674.35	S	232.94	E 701.77	739.43
1920	1,731.72	1,681.72	S	235.69	E 707.95	746.15
1930	1,739.08	1,689.08	S	238.44	E 714.13	752.89
1940	1,746.42	1,696.42	S	241.20	E 720.33	759.64
1950	1,753.75	1,703.75	S	243.97	E 726.54	766.41
1960	1,761.07	1,711.07	S	246.74	E 732.77	773.20
* 1964	1,764.00	1,714.00	S	247.85	E 735.26	775.91 *
1970	1,768.39	1,718.39	S	249.58	E 738.96	779.97
1980	1,775.72	1,725.72	S	252.45	E 745.13	786.74
1990	1,783.06	1,733.06	S	255.32	E 751.29	793.49
2000	1,790.41	1,740.41	S	258.19	E 757.44	800.23
2010	1,797.76	1,747.76	S	261.05	E 763.57	806.97
2020	1,805.13	1,755.13	S	263.91	E 769.70	813.69
2030	1,812.51	1,762.51	S	266.77	E 775.82	820.41
2040	1,819.89	1,769.89	S	269.61	E 781.93	827.11
2050	1,827.29	1,777.29	S	272.46	E 788.03	833.81
2060	1,834.69	1,784.69	S	275.30	E 794.13	840.49
2070	1,842.10	1,792.10	S	278.14	E 800.21	847.17
2080	1,849.53	1,799.53	S	280.97	E 806.28	853.83
* 2089	1,856.21	1,806.21	S	283.51	E 811.74	859.83 *
2090	1,856.96	1,806.96	S	283.80	E 812.34	860.49
2100	1,864.39	1,814.39	S	286.62	E 818.40	867.15

DIRECTIONAL SURVEY FOR WELL 106-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. 72A-21-404-D-106(106-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
2110	1,871.83	1,821.83	S	289.45	E 824.46	873.80
2120	1,879.28	1,829.28	S	292.27	E 830.51	880.44
2130	1,886.72	1,836.72	S	295.09	E 836.56	887.08
2140	1,894.17	1,844.17	S	297.91	E 842.61	893.72
2150	1,901.63	1,851.63	S	300.73	E 848.65	900.36
2160	1,909.08	1,859.08	S	303.54	E 854.69	906.99
2170	1,916.55	1,866.55	S	306.35	E 860.72	913.62
2180	1,924.01	1,874.01	S	309.17	E 866.75	920.24
2190	1,931.48	1,881.48	S	311.98	E 872.78	926.86
2200	1,938.95	1,888.95	S	314.79	E 878.80	933.48
2210	1,946.43	1,896.43	S	317.59	E 884.82	940.09
2220	1,953.91	1,903.91	S	320.40	E 890.84	946.70
2230	1,961.39	1,911.39	S	323.20	E 896.85	953.31
2240	1,968.88	1,918.88	S	326.00	E 902.85	959.91
* 2246	1,973.37	1,923.37	S	327.68	E 906.46	963.87 *
2250	1,976.37	1,926.37	S	328.89	E 908.82	966.50
2260	1,983.86	1,933.86	S	331.89	E 914.72	973.07
2270	1,991.35	1,941.35	S	334.90	E 920.63	979.65
2280	1,998.84	1,948.84	S	337.91	E 926.53	986.23
2290	2,006.33	1,956.33	S	340.92	E 932.44	992.81
2300	2,013.82	1,963.82	S	343.93	E 938.34	999.38
2310	2,021.31	1,971.31	S	346.93	E 944.24	1,005.96
2320	2,028.80	1,978.80	S	349.94	E 950.15	1,012.54
2330	2,036.29	1,986.29	S	352.95	E 956.05	1,019.12
2340	2,043.78	1,993.78	S	355.96	E 961.96	1,025.70
2350	2,051.27	2,001.27	S	358.97	E 967.86	1,032.28
2360	2,058.75	2,008.75	S	361.98	E 973.76	1,038.87
2370	2,066.24	2,016.24	S	364.98	E 979.67	1,045.45
2380	2,073.73	2,023.73	S	367.99	E 985.57	1,052.03
2390	2,081.22	2,031.22	S	371.00	E 991.47	1,058.62
2400	2,088.71	2,038.71	S	374.01	E 997.38	1,065.20
* 2401	2,089.46	2,039.46	S	374.31	E 997.97	1,065.86 / *
2410	2,096.20	2,046.20	S	377.15	E 1,003.21	1,071.76
2420	2,103.69	2,053.69	S	380.32	E 1,009.03	1,078.33
2430	2,111.18	2,061.18	S	383.48	E 1,014.86	1,084.89
2440	2,118.67	2,068.67	S	386.64	E 1,020.68	1,091.46
2450	2,126.16	2,076.16	S	389.80	E 1,026.50	1,098.02
2460	2,133.65	2,083.65	S	392.96	E 1,032.33	1,104.59
2470	2,141.14	2,091.14	S	396.13	E 1,038.15	1,111.16
2480	2,148.63	2,098.63	S	399.29	E 1,043.97	1,117.73
2490	2,156.12	2,106.12	S	402.45	E 1,049.80	1,124.30
2500	2,163.61	2,113.61	S	405.61	E 1,055.62	1,130.86
2510	2,171.10	2,121.10	S	408.77	E 1,061.44	1,137.43
2520	2,178.59	2,128.59	S	411.93	E 1,067.27	1,144.01
2530	2,186.08	2,136.08	S	415.10	E 1,073.09	1,150.58

DIRECTIONAL SURVEY FOR WELL LD6-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-606-D-LD6(LD6-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
2540	2,193.57	2,143.57	S	418.26	E 1,078.91	1,157.15
2550	2,201.06	2,151.06	S	421.42	E 1,084.74	1,163.72
* 2557	2,206.30	2,156.30	S	423.63	E 1,088.81	1,168.32
2560	2,208.55	2,158.55	S	424.61	E 1,090.54	1,170.29
2570	2,216.04	2,166.04	S	427.87	E 1,096.31	1,176.85
2580	2,223.53	2,173.53	S	431.14	E 1,102.08	1,183.41
2590	2,231.01	2,181.01	S	434.40	E 1,107.84	1,189.97
2600	2,238.50	2,188.50	S	437.66	E 1,113.61	1,196.53
2610	2,245.99	2,195.99	S	440.93	E 1,119.38	1,203.09
2620	2,253.48	2,203.48	S	444.19	E 1,125.14	1,209.65
2630	2,260.97	2,210.97	S	447.45	E 1,130.91	1,216.21
2640	2,268.46	2,218.46	S	450.71	E 1,136.68	1,222.78
2650	2,275.95	2,225.95	S	453.98	E 1,142.45	1,229.34
2660	2,283.44	2,233.44	S	457.24	E 1,148.21	1,235.91
2670	2,290.93	2,240.93✓	S	460.50	E 1,153.98	1,242.47
2680	2,298.42	2,248.42	S	463.77	E 1,159.75	1,249.04
2690	2,305.91	2,255.91	S	467.03	E 1,165.51	1,255.61
2700	2,313.40	2,263.40	S	470.29	E 1,171.28	1,262.17
2710	2,320.89	2,270.89	S	473.55	E 1,177.05	1,268.74
* 2713	2,323.14	2,273.14	S	474.53	E 1,178.78	1,270.71
2720	2,328.38	2,278.38	S	476.82	E 1,182.82	1,275.31
2730	2,335.87	2,285.87	S	480.08	E 1,188.58	1,281.88
2740	2,343.36	2,293.36	S	483.34	E 1,194.35	1,288.45
2750	2,350.85	2,300.85	S	486.61	E 1,200.12	1,295.02
2760	2,358.34	2,308.34	S	489.87	E 1,205.88	1,301.59
2770	2,365.83	2,315.83	S	493.13	E 1,211.65	1,308.16
2780	2,373.32	2,323.32	S	496.40	E 1,217.42	1,314.73
2790	2,380.81	2,330.81	S	499.66	E 1,223.19	1,321.30
2800	2,388.30	2,338.30	S	502.92	E 1,228.95	1,327.88
2810	2,395.79	2,345.79	S	506.18	E 1,234.72	1,334.45
2820	2,403.27	2,353.27	S	509.45	E 1,240.49	1,341.03
2830	2,410.76	2,360.76	S	512.71	E 1,246.25	1,347.60
2840	2,418.25	2,368.25	S	515.97	E 1,252.02	1,354.18
2850	2,425.74	2,375.74	S	519.24	E 1,257.79	1,360.75
2860	2,433.23	2,383.23	S	522.50	E 1,263.56	1,367.33
* 2869	2,439.97	2,389.97	S	525.43	E 1,268.75	1,373.28
2870	2,440.72	2,390.72	S	525.78	E 1,269.31	1,373.90
2880	2,448.21	2,398.21	S	529.24	E 1,274.96	1,380.45
2890	2,455.70	2,405.70	S	532.71	E 1,280.61	1,386.99
2900	2,463.19	2,413.19	S	536.17	E 1,286.26	1,393.54
2910	2,470.68	2,420.68	S	539.63	E 1,291.91	1,400.09
2920	2,478.17	2,428.17	S	543.09	E 1,297.56	1,406.63
2930	2,485.66	2,435.66	S	546.55	E 1,303.21	1,413.18
2940	2,493.15	2,443.15✓	S	550.02	E 1,308.86	1,419.73
2950	2,500.64	2,450.64	S	553.48	E 1,314.51	1,426.28

DIRECTIONAL SURVEY FOR WELL LD6-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-604-D-LD6(LD6-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL	CD - ORDINATES	HORIZONTAL DISTANCE
2960	2,508.13	2,458.13	S	556.94 E 1,320.16	1,432.83
2970	2,515.62	2,465.62	S	560.40 E 1,325.81	1,439.38
2980	2,523.11	2,473.11	S	563.87 E 1,331.46	1,445.94
2990	2,530.60	2,480.60	S	567.33 E 1,337.11	1,452.49
3000	2,538.09	2,488.09	S	570.79 E 1,342.76	1,459.04
3010	2,545.58	2,495.58	S	574.25 E 1,348.41	1,465.60
3020	2,553.07	2,503.07	S	577.71 E 1,354.06	1,472.15
* 3024	2,556.06	2,506.06	S	579.10 E 1,356.32	1,474.77 *
3030	2,560.57	2,510.57	S	580.96 E 1,359.82	1,478.72
3040	2,568.11	2,518.11	S	584.04 E 1,365.61	1,485.26
3050	2,575.69	2,525.69	S	587.11 E 1,371.38	1,491.77
3060	2,583.29	2,533.29	S	590.15 E 1,377.11	1,498.23
3070	2,590.94	2,540.94	S	593.18 E 1,382.80	1,504.66
* 3076	2,595.53	2,545.53	S	594.99 E 1,386.21	1,508.51 *
3080	2,598.60	2,548.60	S	595.91 E 1,388.61	1,511.08
3090	2,606.26	2,556.26	S	598.22 E 1,394.61	1,517.50
3100	2,613.92	2,563.92	S	600.52 E 1,400.61	1,523.92
3110	2,621.58	2,571.58	S	602.82 E 1,406.61	1,530.35
3120	2,629.24	2,579.24	S	605.13 E 1,412.61	1,536.77
3130	2,636.90	2,586.90	S	607.43 E 1,418.61	1,543.19
3140	2,644.56	2,594.56	S	609.73 E 1,424.61	1,549.61
* 3146	2,649.15	2,599.15	S	611.12 E 1,428.21	1,553.47 *
3150	2,652.22	2,602.22	S	612.04 E 1,430.61	1,556.04
3160	2,659.88	2,609.88	S	614.34 E 1,436.62	1,562.46
3170	2,667.54	2,617.54	S	616.64 E 1,442.62	1,568.88
3180	2,675.20	2,625.20	S	618.95 E 1,448.62	1,575.31
3190	2,682.86	2,632.86	S	621.25 E 1,454.62	1,581.73
3200	2,690.52	2,640.52 ✓	S	623.56 E 1,460.62	1,588.15
3210	2,698.18	2,648.18	S	625.86 E 1,466.62	1,594.56
3220	2,705.84	2,655.84	S	628.16 E 1,472.62	1,601.00
3230	2,713.50	2,663.50	S	630.47 E 1,478.62	1,607.43
3240	2,721.16	2,671.16	S	632.77 E 1,484.62	1,613.85
3250	2,728.82	2,678.82	S	635.07 E 1,490.62	1,620.27
3260	2,736.48	2,686.48	S	637.38 E 1,496.63	1,626.70
3270	2,744.14	2,694.14	S	639.68 E 1,502.63	1,633.12
3280	2,751.80	2,701.80	S	641.98 E 1,508.63	1,639.54
3290	2,759.46	2,709.46	S	644.29 E 1,514.63	1,645.97
3300	2,767.13	2,717.13	S	646.59 E 1,520.63	1,652.39
3310	2,774.79	2,724.79	S	648.89 E 1,526.63	1,658.82
3320	2,782.45	2,732.45	S	651.20 E 1,532.63	1,665.24
3330	2,790.11	2,740.11	S	653.50 E 1,538.63	1,671.66
* 3331	2,790.87	2,740.87	S	653.73 E 1,539.23	1,672.31 *
3340	2,797.77	2,747.77	S	656.09 E 1,544.52	1,678.09
3350	2,805.42	2,755.42	S	658.70 E 1,550.40	1,684.52
3360	2,813.08	2,763.08	S	661.32 E 1,556.27	1,690.96

DIRECTIONAL SURVEY FOR WELL LD6-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z24-21-606-D-LD6(LD6-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES		HORIZONTAL DISTANCE
3370	2,820.73	2,770.73	S	663.94 E 1,562.16	1,697.40
3380	2,828.38	2,778.38	S	666.56 E 1,568.04	1,703.84
3390	2,836.02	2,786.02	S	669.18 E 1,573.93	1,710.28
3400	2,843.67	2,793.67	S	671.80 E 1,579.82	1,716.72
3410	2,851.31	2,801.31	S	674.42 E 1,585.71	1,723.17
3420	2,858.95	2,808.95	S	677.05 E 1,591.60	1,729.62
3430	2,866.59	2,816.59	S	679.67 E 1,597.50	1,736.08
3440	2,874.23	2,824.23	S	682.30 E 1,603.40	1,742.53
3450	2,881.86	2,831.86	S	684.93 E 1,609.30	1,748.99
3460	2,889.49	2,839.49 ✓	S	687.56 E 1,615.20	1,755.45
3470	2,897.12	2,847.12	S	690.19 E 1,621.11	1,761.92
3480	2,904.75	2,854.75	S	692.82 E 1,627.02	1,768.38
3490	2,912.37	2,862.37	S	695.45 E 1,632.93	1,774.85
3500	2,919.99	2,869.99	S	698.08 E 1,638.84	1,781.33
3510	2,927.61	2,877.61	S	700.71 E 1,644.76	1,787.80
3520	2,935.23	2,885.23	S	703.35 E 1,650.67	1,794.28
3530	2,942.85	2,892.85	S	705.99 E 1,656.59	1,800.76
3540	2,950.46	2,900.46	S	708.62 E 1,662.52	1,807.24
3550	2,958.07	2,908.07	S	711.26 E 1,668.44	1,813.73
3560	2,965.68	2,915.68	S	713.90 E 1,674.37	1,820.21
3570	2,973.29	2,923.29	S	716.54 E 1,680.30	1,826.70
3580	2,980.89	2,930.89	S	719.18 E 1,686.23	1,833.20
* 3581	2,981.65	2,931.65	S	719.45 E 1,686.83	1,833.85 *
3590	2,988.50	2,938.50	S	722.01 E 1,692.08	1,839.68
3600	2,996.10	2,946.10	S	724.86 E 1,697.92	1,846.17
3610	3,003.70	2,953.70	S	727.70 E 1,703.76	1,852.66
3620	3,011.31	2,961.31	S	730.55 E 1,709.59	1,859.14
3630	3,018.91	2,968.91	S	733.40 E 1,715.43	1,865.63
3640	3,026.52	2,976.52	S	736.24 E 1,721.27	1,872.12
3650	3,034.12	2,984.12	S	739.09 E 1,727.10	1,878.60
3660	3,041.72	2,991.72	S	741.94 E 1,732.94	1,885.09
3670	3,049.33	2,999.33	S	744.78 E 1,738.78	1,891.58
3680	3,056.93	3,006.93	S	747.63 E 1,744.62	1,898.06
3690	3,064.54	3,014.54	S	750.48 E 1,750.45	1,904.55
3700	3,072.14	3,022.14	S	753.32 E 1,756.29	1,911.04
3710	3,079.74	3,029.74	S	756.17 E 1,762.13	1,917.52
3720	3,087.35	3,037.35	S	759.02 E 1,767.96	1,924.01
3730	3,094.95	3,044.95 ✓	S	761.87 E 1,773.80	1,930.50
3740	3,102.56	3,052.56	S	764.71 E 1,779.64	1,936.98
3750	3,110.16	3,060.16	S	767.56 E 1,785.48	1,943.47
3760	3,117.76	3,067.76	S	770.41 E 1,791.31	1,949.96
3770	3,125.37	3,075.37	S	773.25 E 1,797.15	1,956.45
3780	3,132.97	3,082.97	S	776.10 E 1,802.99	1,962.93
3790	3,140.58	3,090.58	S	778.95 E 1,808.83	1,969.42
3800	3,148.18	3,098.18	S	781.79 E 1,814.66	1,975.91

DIRECTIONAL SURVEY FOR WELL LD6-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-606-D-LD6(LD6-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL	CO -	ORDINATES	HORIZONTAL DISTANCE
3810	3,155.79	3,105.79	S	784.64	E 1,820.50	1,982.39
3820	3,163.39	3,113.39	S	787.49	E 1,826.34	1,988.88
3830	3,170.99	3,120.99	S	790.34	E 1,832.17	1,995.37
3840	3,178.60	3,128.60	S	793.18	E 1,838.01	2,001.86
3850	3,186.20	3,136.20	S	796.03	E 1,843.85	2,008.34
3860	3,193.81	3,143.81	S	798.88	E 1,849.69	2,014.83
3870	3,201.41	3,151.41	S	801.72	E 1,855.52	2,021.32
3880	3,209.01	3,159.01	S	804.57	E 1,861.36	2,027.81
3890	3,216.62	3,166.62	S	807.42	E 1,867.20	2,034.29
3900	3,224.22	3,174.22	S	810.26	E 1,873.03	2,040.78
* 3906	3,228.78	3,178.78	S	811.97	E 1,876.54	2,044.68 *
3910	3,231.83	3,181.83	S	813.11	E 1,878.87	2,047.27
3920	3,239.43	3,189.43	S	815.96	E 1,884.71	2,053.76
3930	3,247.03	3,197.03	S	818.81	E 1,890.55	2,060.25
3940	3,254.62	3,204.62	S	821.66	E 1,896.40	2,066.75
3950	3,262.22	3,212.22	S	824.51	E 1,902.24	2,073.25
3960	3,269.81	3,219.81	S	827.36	E 1,908.09	2,079.75
3970	3,277.41	3,227.41	S	830.22	E 1,913.94	2,086.25
3980	3,285.00	3,235.00	S	833.07	E 1,919.79	2,092.75
3990	3,292.58	3,242.58 ✓	S	835.93	E 1,925.65	2,099.26
4000	3,300.17	3,250.17	S	838.78	E 1,931.50	2,105.77
4010	3,307.75	3,257.75	S	841.64	E 1,937.36	2,112.28
4020	3,315.34	3,265.34	S	844.50	E 1,943.22	2,118.79
4030	3,322.92	3,272.92	S	847.36	E 1,949.08	2,125.31
4040	3,330.50	3,280.50	S	850.22	E 1,954.95	2,131.83
4050	3,338.07	3,288.07	S	853.08	E 1,960.81	2,138.35
4060	3,345.65	3,295.65	S	855.94	E 1,966.68	2,144.87
4070	3,353.22	3,303.22	S	858.80	E 1,972.55	2,151.40
4080	3,360.79	3,310.79	S	861.67	E 1,978.42	2,157.92
4090	3,368.36	3,318.36	S	864.53	E 1,984.30	2,164.45
4100	3,375.93	3,325.93	S	867.40	E 1,990.17	2,170.98
4110	3,383.49	3,333.49	S	870.26	E 1,996.05	2,177.52
4120	3,391.06	3,341.06	S	873.13	E 2,001.93	2,184.05
4130	3,398.62	3,348.62	S	876.00	E 2,007.81	2,190.59
4140	3,406.18	3,356.18	S	878.87	E 2,013.70	2,197.13
4150	3,413.73	3,363.73	S	881.74	E 2,019.58	2,203.67
4160	3,421.29	3,371.29	S	884.61	E 2,025.47	2,210.22
4170	3,428.84	3,378.84	S	887.48	E 2,031.36	2,216.77
4180	3,436.40	3,386.40	S	890.36	E 2,037.25	2,223.32
4190	3,443.95	3,393.95	S	893.23	E 2,043.14	2,229.87
4200	3,451.49	3,401.49	S	896.11	E 2,049.04	2,236.42
* 4205	3,455.27	3,405.27	S	897.55	E 2,051.99	2,239.70 *
4210	3,459.04	3,409.04	S	899.04	E 2,054.91	2,242.98
4220	3,466.56	3,416.56	S	902.03	E 2,060.79	2,249.56
4230	3,474.07	3,424.07	S	905.03	E 2,066.67	2,256.15

DIRECTIONAL SURVEY FOR WELL LD6-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-606-D-1 DA(LD6-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL	CO - ORDINATES	HORIZONTAL DISTANCE
4240	3,481.55	3,431.55	S 908.04	E 2,072.58	2,262.77
4250	3,489.03	3,439.03 ✓	S 911.05	E 2,078.50	2,269.40
4260	3,496.48	3,446.48	S 914.08	E 2,084.44	2,276.05
4270	3,503.92	3,453.92	S 917.11	E 2,090.39	2,282.72
4280	3,511.35	3,461.35	S 920.16	E 2,096.36	2,289.41
4290	3,518.75	3,468.75	S 923.21	E 2,102.35	2,296.12
4300	3,526.14	3,476.14	S 926.27	E 2,108.35	2,302.85
4310	3,533.51	3,483.51	S 929.33	E 2,114.37	2,309.60
4320	3,540.87	3,490.87	S 932.41	E 2,120.41	2,316.36
* 4327	3,546.01	3,496.01	S 934.57	E 2,124.64	2,321.10 *
4330	3,548.21	3,498.21	S 935.62	E 2,126.39	2,323.13
4340	3,555.53	3,505.53	S 939.12	E 2,132.22	2,329.88
4350	3,562.85	3,512.85	S 942.63	E 2,138.07	2,336.64
4360	3,570.15	3,520.15	S 946.15	E 2,143.93	2,343.43
4370	3,577.43	3,527.43	S 949.68	E 2,149.80	2,350.22
4380	3,584.70	3,534.70	S 953.22	E 2,155.68	2,357.03
4390	3,591.96	3,541.96	S 956.76	E 2,161.58	2,363.86
4400	3,599.21	3,549.21	S 960.31	E 2,167.49	2,370.70
4410	3,606.44	3,556.44	S 963.87	E 2,173.41	2,377.55
4420	3,613.66	3,563.66	S 967.43	E 2,179.34	2,384.42
4430	3,620.86	3,570.86	S 971.00	E 2,185.28	2,391.30
4440	3,628.06	3,578.06	S 974.58	E 2,191.24	2,398.20
4450	3,635.23	3,585.23	S 978.17	E 2,197.21	2,405.11
4460	3,642.40	3,592.40	S 981.76	E 2,203.19	2,412.03
4470	3,649.55	3,599.55	S 985.36	E 2,209.18	2,418.97
4480	3,656.68	3,606.68	S 988.97	E 2,215.19	2,425.93
* 4483	3,658.82	3,608.82	S 990.05	E 2,216.99	2,428.01 *
4490	3,663.82	3,613.82	S 992.73	E 2,221.10	2,432.86
4500	3,670.94	3,620.94	S 996.54	E 2,226.99	2,439.79
4510	3,678.07	3,628.07	S 1,000.37	E 2,232.87	2,446.72
4520	3,685.19	3,635.19	S 1,004.19	E 2,238.75	2,453.66
4530	3,692.31	3,642.31 ✓	S 1,008.01	E 2,244.64	2,460.59
4540	3,699.43	3,649.43	S 1,011.84	E 2,250.53	2,467.53
4550	3,706.55	3,656.55	S 1,015.66	E 2,256.42	2,474.48
4560	3,713.66	3,663.66	S 1,019.49	E 2,262.32	2,481.42
4570	3,720.78	3,670.78	S 1,023.32	E 2,268.22	2,488.37
4580	3,727.88	3,677.88	S 1,027.15	E 2,274.11	2,495.32
4590	3,734.99	3,684.99	S 1,030.98	E 2,280.01	2,502.28
4600	3,742.10	3,692.10	S 1,034.81	E 2,285.92	2,509.23
4610	3,749.20	3,699.20	S 1,038.65	E 2,291.82	2,516.20
4620	3,756.30	3,706.30	S 1,042.48	E 2,297.73	2,523.16
4630	3,763.39	3,713.39	S 1,046.32	E 2,303.63	2,530.12
4640	3,770.49	3,720.49	S 1,050.16	E 2,309.54	2,537.09
4650	3,777.58	3,727.58	S 1,054.00	E 2,315.46	2,544.06
4660	3,784.67	3,734.67	S 1,057.84	E 2,321.37	2,551.04

DIRECTIONAL SURVEY FOR WELL LD6-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-606-D-LD6(LD6-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES		HORIZONTAL DISTANCE
4670	3,791.76	3,741.76	S 1,061.68	E 2,327.29	2,558.02
4680	3,798.84	3,748.84	S 1,065.53	E 2,333.21	2,565.00
4690	3,805.93	3,755.93	S 1,069.37	E 2,339.13	2,571.98
4700	3,813.01	3,763.01	S 1,073.22	E 2,345.05	2,578.97
4710	3,820.09	3,770.09	S 1,077.06	E 2,350.97	2,585.95
4720	3,827.16	3,777.16	S 1,080.91	E 2,356.90	2,592.95
4730	3,834.23	3,784.23	S 1,084.76	E 2,362.83	2,599.94
* 4738	3,839.89	3,789.89	S 1,087.84	E 2,367.57	2,605.54 *
4740	3,841.30	3,791.30	S 1,088.70	E 2,368.70	2,606.92
4750	3,848.37	3,798.37	S 1,092.96	E 2,374.36	2,613.83
4760	3,855.43	3,805.43	S 1,097.22	E 2,380.01	2,620.76
4770	3,862.48	3,812.48	S 1,101.48	E 2,385.68	2,627.68
4780	3,869.53	3,819.53	S 1,105.75	E 2,391.34	2,634.62
4790	3,876.57	3,826.57	S 1,110.03	E 2,397.01	2,641.56
4800	3,883.60	3,833.60	S 1,114.30	E 2,402.69	2,648.51
4810	3,890.63	3,840.63 ✓	S 1,118.58	E 2,408.37	2,655.46
4820	3,897.66	3,847.66	S 1,122.87	E 2,414.05	2,662.42
4830	3,904.68	3,854.68	S 1,127.15	E 2,419.74	2,669.39
4840	3,911.69	3,861.69	S 1,131.44	E 2,425.43	2,676.36
4850	3,918.70	3,868.70	S 1,135.74	E 2,431.13	2,683.34
4860	3,925.70	3,875.70	S 1,140.03	E 2,436.83	2,690.32
4870	3,932.70	3,882.70	S 1,144.34	E 2,442.54	2,697.32
4880	3,939.69	3,889.69	S 1,148.64	E 2,448.25	2,704.31
4890	3,946.67	3,896.67	S 1,152.95	E 2,453.97	2,711.32
4900	3,953.65	3,903.65	S 1,157.26	E 2,459.69	2,718.33
4910	3,960.62	3,910.62	S 1,161.57	E 2,465.41	2,725.35
4920	3,967.59	3,917.59	S 1,165.89	E 2,471.14	2,732.37
4930	3,974.55	3,924.55	S 1,170.21	E 2,476.87	2,739.40
4940	3,981.50	3,931.50	S 1,174.53	E 2,482.61	2,746.43
4950	3,988.45	3,938.45	S 1,178.86	E 2,488.35	2,753.48
4960	3,995.40	3,945.40	S 1,183.19	E 2,494.10	2,760.52
4970	4,002.34	3,952.34	S 1,187.52	E 2,499.85	2,767.56
4980	4,009.27	3,959.27	S 1,191.86	E 2,505.61	2,774.64
4990	4,016.20	3,966.20	S 1,196.20	E 2,511.37	2,781.70
5000	4,023.12	3,973.12	S 1,200.55	E 2,517.13	2,788.78
5010	4,030.03	3,980.03	S 1,204.89	E 2,522.90	2,795.86
5020	4,036.94	3,986.94	S 1,209.24	E 2,528.68	2,802.94
5030	4,043.84	3,993.84	S 1,213.60	E 2,534.45	2,810.03
5040	4,050.74	4,000.74	S 1,217.95	E 2,540.24	2,817.13
5050	4,057.63	4,007.63	S 1,222.32	E 2,546.02	2,824.23
5060	4,064.52	4,014.52	S 1,226.68	E 2,551.81	2,831.34
5070	4,071.40	4,021.40	S 1,231.05	E 2,557.61	2,838.46
5080	4,078.27	4,028.27	S 1,235.42	E 2,563.41	2,845.58
5090	4,085.14	4,035.14	S 1,239.79	E 2,569.21	2,852.71
5100	4,092.01	4,042.01 ✓	S 1,244.17	E 2,575.02	2,859.84

DIRECTIONAL SURVEY FOR WELL LD6-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z24-21-606-D-LD6(LD6-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES		HORIZONTAL DISTANCE
5110	4,098.86	4,048.86	S 1,248.55	E 2,580.84	2,866.99
5120	4,105.71	4,055.71	S 1,252.93	E 2,586.65	2,874.13
5130	4,112.56	4,062.56	S 1,257.32	E 2,592.48	2,881.28
5140	4,119.40	4,069.40	S 1,261.71	E 2,598.30	2,888.44
5150	4,126.23	4,076.23	S 1,266.10	E 2,604.13	2,895.61
5160	4,133.06	4,083.06	S 1,270.50	E 2,609.97	2,902.78
5170	4,139.88	4,089.88	S 1,274.90	E 2,615.81	2,909.96
* 5173	4,141.93	4,091.93	S 1,276.22	E 2,617.56	2,912.11 *
5180	4,146.70	4,096.70	S 1,279.45	E 2,621.54	2,917.10
5190	4,153.52	4,103.52	S 1,284.05	E 2,627.23	2,924.23
5200	4,160.33	4,110.33	S 1,288.66	E 2,632.92	2,931.36
5210	4,167.14	4,117.14	S 1,293.27	E 2,638.61	2,938.50
5220	4,173.95	4,123.95	S 1,297.88	E 2,644.30	2,945.64
5230	4,180.75	4,130.75	S 1,302.49	E 2,649.99	2,952.79
5240	4,187.55	4,137.55	S 1,307.10	E 2,655.69	2,959.94
5250	4,194.35	4,144.35	S 1,311.72	E 2,661.39	2,967.09
5260	4,201.15	4,151.15	S 1,316.33	E 2,667.09	2,974.24
5270	4,207.94	4,157.94	S 1,320.95	E 2,672.79	2,981.40
5280	4,214.73	4,164.73	S 1,325.57	E 2,678.50	2,988.56
5290	4,221.52	4,171.52	S 1,330.19	E 2,684.20	2,995.73
5300	4,228.31	4,178.31	S 1,334.81	E 2,689.91	3,002.89
5310	4,235.09	4,185.09	S 1,339.44	E 2,695.62	3,010.06
5320	4,241.87	4,191.87	S 1,344.06	E 2,701.34	3,017.24
5330	4,248.65	4,198.65	S 1,348.69	E 2,707.05	3,024.42
5340	4,255.42	4,205.42	S 1,353.32	E 2,712.77	3,031.60
5350	4,262.19	4,212.19	S 1,357.95	E 2,718.48	3,038.78
5360	4,268.96	4,218.96	S 1,362.58	E 2,724.20	3,045.97
5370	4,275.73	4,225.73	S 1,367.21	E 2,729.93	3,053.16
5380	4,282.49	4,232.49	S 1,371.85	E 2,735.65	3,060.35
5390	4,289.26	4,239.26 ✓	S 1,376.49	E 2,741.38	3,067.55
5400	4,296.01	4,246.01	S 1,381.12	E 2,747.10	3,074.75
5410	4,302.77	4,252.77	S 1,385.76	E 2,752.83	3,081.96
5420	4,309.52	4,259.52	S 1,390.41	E 2,758.57	3,089.16
5430	4,316.27	4,266.27	S 1,395.05	E 2,764.30	3,096.37
5440	4,323.02	4,273.02	S 1,399.69	E 2,770.03	3,103.59
5450	4,329.77	4,279.77	S 1,404.34	E 2,775.77	3,110.80
5460	4,336.51	4,286.51	S 1,408.99	E 2,781.51	3,118.02
5470	4,343.25	4,293.25	S 1,413.64	E 2,787.25	3,125.25
5480	4,349.98	4,299.98	S 1,418.29	E 2,793.00	3,132.47
5490	4,356.72	4,306.72	S 1,422.94	E 2,798.74	3,139.70
5500	4,363.45	4,313.45	S 1,427.59	E 2,804.49	3,146.93
5510	4,370.18	4,320.18	S 1,432.25	E 2,810.24	3,154.17
5520	4,376.90	4,326.90	S 1,436.91	E 2,815.99	3,161.41
* 5528	4,382.28	4,332.28	S 1,440.63	E 2,820.59	3,167.20 *
5530	4,383.63	4,333.63	S 1,441.59	E 2,821.73	3,168.65

DIRECTIONAL SURVEY FOR WELL LD6-5

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. 72A-21-606-D-LD6(LD6-5)

ELEVATION: 50 FEET NUMBER OF DATA POINTS: 29

CONDUCTOR DATA: 400' MD. DEVIATION: 15.50 DEGREES ORIENTATION: S - 63.16 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES		HORIZONTAL DISTANCE
5540	4,390.35	4,340.35	S 1,446.34	E 2,827.40	3,175.66
5550	4,397.07	4,347.07	S 1,451.11	E 2,833.07	3,183.08
5560	4,403.79	4,353.79	S 1,455.87	E 2,838.75	3,190.30
5570	4,410.50	4,360.50	S 1,460.63	E 2,844.42	3,197.53
5580	4,417.21	4,367.21	S 1,465.39	E 2,850.10	3,204.76
5590	4,423.92	4,373.92	S 1,470.16	E 2,855.78	3,211.99
5600	4,430.63	4,380.63	S 1,474.93	E 2,861.46	3,219.22
5610	4,437.34	4,387.34	S 1,479.69	E 2,867.14	3,226.45
5620	4,444.05	4,394.05	S 1,484.46	E 2,872.82	3,233.69
5630	4,450.75	4,400.75	S 1,489.23	E 2,878.51	3,240.93
5640	4,457.45	4,407.45	S 1,494.00	E 2,884.19	3,248.17
5650	4,464.15	4,414.15	S 1,498.78	E 2,889.88	3,255.42
5660	4,470.85	4,420.85	S 1,503.55	E 2,895.57	3,262.67
5670	4,477.54	4,427.54	S 1,508.32	E 2,901.26	3,269.92
* 5680	4,484.24	4,434.24	S 1,513.10	E 2,906.95	3,277.17
* 5689	4,490.26	4,440.26 ✓	S 1,517.40	E 2,912.08	3,283.70 *