

DIRECTIONAL SURVEY FOR WELL L06-6
RAW DATA09-04-
Jth

WELL No. Z2A-21-610-D-L06 (L06-6) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 26

CONDUCTOR DATA: 410' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 33.88 - E

No.	MEASURED DEPTH	DEVIATION ANGLE	ORIENTATION
1	663	18.00	S - 22.00 - E
2	755	20.50	S - 18.00 - E
3	852	23.00	S - 31.00 - E
4	950	26.50	S - 39.00 - E
5	1123	31.00	S - 40.00 - E
6	1248	36.00	S - 39.00 - E
7	1372	40.00	S - 36.00 - E
8	1496	45.00	S - 34.00 - E
9	1704	46.00	S - 39.00 - E
10	1828	45.00	S - 39.00 - E
11	1954	44.50	S - 38.50 - E
12	2006	44.50	S - 30.50 - E
13	2180	42.00	S - 28.50 - E
14	2397	42.00	S - 26.00 - E
15	2550	42.00	S - 24.00 - E
16	2827	42.00	S - 21.00 - E
17	3051	42.00	S - 20.00 - E
18	3266	42.00	S - 19.00 - E
19	3482	42.00	S - 17.00 - E
20	3796	41.00	S - 15.00 - E
21	4016	40.00	S - 14.00 - E
22	4356	41.00	S - 11.00 - E
23	4800	40.50	S - 8.00 - E
24	5073	42.00	S - 6.50 - E
25	5771	44.00	S - 6.00 - E
26	5926	44.25	S - 5.50 - E

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COMPUTATIONS AT 10 FEET INCREMENTS

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MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES				HORIZONTAL DISTANCE
* 410	396.02	346.02	S	88.09	E	59.15	106.11 *
420	405.68	355.68	S	90.51	E	60.13	108.66
430	415.33	365.33	S	92.95	E	61.11	111.24
440	424.97	374.97	S	95.40	E	62.10	113.84
450	434.61	384.61	S	97.88	E	63.10	116.46
460	444.24	394.24	S	100.37	E	64.11	119.10
470	453.87	403.87	S	102.88	E	65.12	121.76
480	463.49	413.49	S	105.41	E	66.15	124.45
490	473.10	423.10	S	107.96	E	67.18	127.15
500	482.71	432.71	S	110.52	E	68.21	129.88
510	492.31	442.31	S	113.11	E	69.26	132.63
520	501.91	451.91	S	115.71	E	70.31	135.40
530	511.50	461.50	S	118.33	E	71.37	138.19
540	521.09	471.09	S	120.97	E	72.43	141.00
550	530.67	480.67	S	123.63	E	73.51	143.83
560	540.25	490.25	S	126.31	E	74.59	146.69
570	549.81	499.81	S	129.00	E	75.68	149.56
580	559.38	509.38	S	131.71	E	76.77	152.46
590	568.93	518.93	S	134.45	E	77.88	155.37
600	578.48	528.48	S	137.20	E	78.99	158.31
610	588.03	538.03	S	139.96	E	80.11	161.27
620	597.56	547.56	S	142.75	E	81.23	164.25
630	607.09	557.09	S	145.56	E	82.37	167.25
640	616.62	566.62	S	148.38	E	83.51	170.27
650	626.14	576.14	S	151.22	E	84.66	173.31
660	635.65	585.65	S	154.08	E	85.81	176.37
* 663	638.50	588.50	S	154.94	E	86.16	177.29 *
670	645.15	595.15	S	157.02	E	86.83	179.43
680	654.64	604.64	S	160.03	E	87.81	182.54
690	664.11	614.11	S	163.08	E	88.80	185.70
700	673.57	623.57	S	166.18	E	89.81	188.90
710	683.00	633.00	S	169.32	E	90.83	192.15
720	692.43	642.43	S	172.50	E	91.86	195.44
730	701.84	651.84	S	175.73	E	92.91	198.78
740	711.23	661.23	S	179.00	E	93.97	202.17
750	720.60	670.60	S	182.31	E	95.05	205.60
* 755	725.29	675.29	S	183.97	E	95.59	207.32 *
760	729.96	679.96	S	185.48	E	96.50	209.08
770	739.31	689.31	S	188.54	E	98.33	212.64
780	748.63	698.63	S	191.63	E	100.19	216.24
790	757.94	707.94	S	194.76	E	102.07	219.88
800	767.24	717.24	S	197.92	E	103.97	223.57
810	776.52	726.52	S	201.12	E	105.89	227.30
820	785.78	735.78	S	204.36	E	107.84	231.06
830	795.02	745.02	S	207.63	E	109.80	234.88

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COMPUTATIONS AT 10 FEET INCREMENTS

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	MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE	
	840	804.25	754.25	S	210.93	E	111.79	238.73
	850	813.45	763.45	S	214.27	E	113.80	242.62
*	852	815.30	765.30	S	214.94	E	114.20	243.40 *
	860	822.64	772.64	S	217.40	E	116.19	246.51
	870	831.80	781.80	S	220.52	E	118.72	250.45
	880	840.94	790.94	S	223.68	E	121.28	254.44
	890	850.05	800.05	S	226.88	E	123.87	258.50
	900	859.13	809.13	S	230.13	E	126.50	262.61
	910	868.19	818.19	S	233.43	E	129.17	266.78
	920	877.22	827.22	S	236.76	E	131.87	271.01
	930	886.23	836.23	S	240.14	E	134.61	275.30
	940	895.20	845.20	S	243.57	E	137.38	279.64
*	950	904.15	854.15	S	247.04	E	140.19	284.04 *
	960	913.08	863.08	S	250.49	E	143.08	288.47
	970	921.99	871.99	S	253.97	E	146.00	292.95
	980	930.88	880.88	S	257.48	E	148.95	297.46
	990	939.75	889.75	S	261.02	E	151.92	302.01
	1000	948.59	898.59	S	264.59	E	154.92	306.61
	1010	957.42	907.42	S	268.20	E	157.94	311.25
	1020	966.22	916.22	S	271.83	E	160.99	315.93
	1030	975.00	925.00	S	275.49	E	164.07	320.65
	1040	983.76	933.76	S	279.19	E	167.17	325.41
	1050	992.50	942.50	S	282.92	E	170.29	330.22
	1060	1,001.21	951.21	S	286.67	E	173.45	335.06
	1070	1,009.91	959.91	S	290.46	E	176.62	339.95
	1080	1,018.58	968.58	S	294.27	E	179.83	344.87
	1090	1,027.22	977.22	S	298.12	E	183.05	349.84
	1100	1,035.85	985.85	S	302.00	E	186.31	354.84
	1110	1,044.45	994.45	S	305.90	E	189.58	359.89
	1120	1,053.03	1,003.03	S	309.84	E	192.89	364.98
*	1123	1,055.60	1,005.60	S	311.02	E	193.88	366.51 *
	1130	1,061.58	1,011.58	S	313.85	E	196.17	370.11
	1140	1,070.09	1,020.09	S	317.93	E	199.47	375.33
	1150	1,078.57	1,028.57	S	322.06	E	202.82	380.60
	1160	1,087.00	1,037.00	S	326.23	E	206.20	385.93
	1170	1,095.40	1,045.40	S	330.45	E	209.61	391.33
	1180	1,103.76	1,053.76	S	334.71	E	213.06	396.78
	1190	1,112.08	1,062.08	S	339.02	E	216.55	402.29
	1200	1,120.36	1,070.36	S	343.38	E	220.08	407.86
	1210	1,128.61	1,078.61	S	347.78	E	223.64	413.48
	1220	1,136.81	1,086.81	S	352.22	E	227.24	419.17
	1230	1,144.97	1,094.97	S	356.71	E	230.88	424.91
	1240	1,153.10	1,103.10	S	361.24	E	234.55	430.71
*	1248	1,159.57	1,109.57	S	364.90	E	237.51	435.39 *
	1250	1,161.19	1,111.19	S	365.85	E	238.20	436.56

DIRECTIONAL SURVEY FOR WELL LOG-6

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-610-D-LOG (LOG-6) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 26

CONDUCTOR DATA: 410' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 33.88 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
1260	1,169.24	1,119.24	S	370.65	E 241.69	442.49
1270	1,177.25	1,127.25	S	375.49	E 245.20	448.46
1280	1,185.24	1,135.24	S	380.36	E 248.74	454.47
1290	1,193.19	1,143.19	S	385.27	E 252.31	460.53
1300	1,201.10	1,151.10	S	390.21	E 255.90	466.64
1310	1,208.98	1,158.98	S	395.19	E 259.52	472.79
1320	1,216.83	1,166.83	S	400.21	E 263.16	478.98
1330	1,224.64	1,174.64	S	405.26	E 266.83	485.22
1340	1,232.41	1,182.41	S	410.35	E 270.53	491.50
1350	1,240.15	1,190.15	S	415.47	E 274.25	497.83
1360	1,247.85	1,197.85	S	420.63	E 278.00	504.20
1370	1,255.52	1,205.52	S	425.82	E 281.77	510.61
* 1372	1,257.05	1,207.05	S	426.86	E 282.53	511.90 *
1380	1,263.15	1,213.15	S	431.16	E 285.42	517.07
1390	1,270.73	1,220.73	S	436.56	E 289.07	523.60
1400	1,278.26	1,228.26	S	442.02	E 292.75	530.17
1410	1,285.75	1,235.75	S	447.51	E 296.46	536.80
1420	1,293.19	1,243.19	S	453.06	E 300.19	543.49
1430	1,300.58	1,250.58	S	458.64	E 303.96	550.22
1440	1,307.92	1,257.92	S	464.27	E 307.76	557.01
1450	1,315.22	1,265.22	S	469.93	E 311.58	563.85
1460	1,322.47	1,272.47	S	475.65	E 315.43	570.74
1470	1,329.67	1,279.67	S	481.40	E 319.31	577.68
1480	1,336.82	1,286.82	S	487.20	E 323.22	584.67
1490	1,343.92	1,293.92	S	493.03	E 327.16	591.71
* 1496	1,348.16	1,298.16	S	496.55	E 329.53	595.95 *
1500	1,350.99	1,300.99	S	498.75	E 331.31	598.77
1510	1,358.05	1,308.05	S	504.25	E 335.77	605.82
1520	1,365.11	1,315.11	S	509.76	E 340.23	612.87
1530	1,372.16	1,322.16	S	515.27	E 344.69	619.93
1540	1,379.20	1,329.20	S	520.78	E 349.16	627.00
1550	1,386.24	1,336.24	S	526.30	E 353.63	634.07
1560	1,393.28	1,343.28	S	531.83	E 358.10	641.16
1570	1,400.30	1,350.30	S	537.36	E 362.58	648.24
1580	1,407.32	1,357.32	S	542.89	E 367.06	655.34
1590	1,414.34	1,364.34	S	548.43	E 371.54	662.44
1600	1,421.35	1,371.35	S	553.97	E 376.03	669.54
1610	1,428.35	1,378.35	S	559.52	E 380.52	676.66
1620	1,435.35	1,385.35	S	565.07	E 385.02	683.78
1630	1,442.34	1,392.34	S	570.63	E 389.52	690.90
1640	1,449.33	1,399.33	S	576.19	E 394.02	698.04
1650	1,456.30	1,406.30	S	581.76	E 398.53	705.17
1660	1,463.28	1,413.28	S	587.33	E 403.04	712.32
1670	1,470.24	1,420.24	S	592.90	E 407.56	719.47
1680	1,477.21	1,427.21	S	598.48	E 412.07	726.63

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MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
1690	1,484.16	1,434.16	S	604.07	E 416.60	733.79
1700	1,491.11	1,441.11	S	609.65	E 421.12	740.96
* 1704	1,493.89	1,443.89	S	611.89	E 422.93	743.83 *
1710	1,498.06	1,448.06	S	615.24	E 425.65	748.13
1720	1,505.02	1,455.02	S	620.82	E 430.16	755.29
1730	1,512.00	1,462.00	S	626.39	E 434.67	762.44
1740	1,518.98	1,468.98	S	631.95	E 439.18	769.58
1750	1,525.97	1,475.97	S	637.51	E 443.68	776.70
1760	1,532.97	1,482.97	S	643.06	E 448.17	783.82
1770	1,539.99	1,489.99	S	648.60	E 452.66	790.93
1780	1,547.01	1,497.01	S	654.13	E 457.14	798.04
1790	1,554.04	1,504.04	S	659.65	E 461.61	805.13
1800	1,561.09	1,511.09	S	665.17	E 466.08	812.21
1810	1,568.14	1,518.14	S	670.68	E 470.54	819.28
1820	1,575.20	1,525.20	S	676.18	E 474.99	826.34
* 1828	1,580.86	1,530.86	S	680.58	E 478.55	831.99 *
1830	1,582.27	1,532.27	S	681.68	E 479.43	833.40
1840	1,589.35	1,539.35	S	687.21	E 483.83	840.45
1850	1,596.43	1,546.43	S	692.74	E 488.23	847.50
1860	1,603.52	1,553.52	S	698.26	E 492.62	854.54
1870	1,610.61	1,560.61	S	703.78	E 497.01	861.58
1880	1,617.71	1,567.71	S	709.29	E 501.39	868.62
1890	1,624.81	1,574.81 ✓	S	714.80	E 505.78	875.65
1900	1,631.92	1,581.92	S	720.31	E 510.16	882.67
1910	1,639.03	1,589.03	S	725.81	E 514.53	889.69
1920	1,646.14	1,596.14	S	731.31	E 518.91	896.71
1930	1,653.26	1,603.26	S	736.80	E 523.28	903.72
1940	1,660.39	1,610.39	S	742.29	E 527.65	910.72
1950	1,667.52	1,617.52	S	747.78	E 532.01	917.72
* 1954	1,670.37	1,620.37	S	749.97	E 533.76	920.52 *
1960	1,674.65	1,624.65	S	753.60	E 535.89	924.71
1970	1,681.78	1,631.78	S	759.64	E 539.45	931.70
1980	1,688.92	1,638.92	S	765.68	E 543.00	938.68
1990	1,696.05	1,646.05	S	771.72	E 546.56	945.66
2000	1,703.18	1,653.18	S	777.76	E 550.12	952.65
* 2006	1,707.46	1,657.46	S	781.39	E 552.25	956.84 *
2010	1,710.32	1,660.32	S	783.84	E 553.59	959.62
2020	1,717.47	1,667.47	S	789.98	E 556.92	966.56
2030	1,724.65	1,674.65	S	796.10	E 560.25	973.48
2040	1,731.84	1,681.84	S	802.21	E 563.56	980.38
2050	1,739.05	1,689.05	S	808.30	E 566.87	987.26
2060	1,746.28	1,696.28	S	814.37	E 570.17	994.13
2070	1,753.52	1,703.52	S	820.43	E 573.46	1,000.98
2080	1,760.78	1,710.78	S	826.47	E 576.74	1,007.81
2090	1,768.06	1,718.06	S	832.50	E 580.01	1,014.63

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2100	1,775.36	1,725.36	S	838.51	E 583.27	1,021.42
2110	1,782.67	1,732.67	S	844.50	E 586.53	1,028.20
2120	1,790.00	1,740.00	S	850.48	E 589.77	1,034.96
2130	1,797.35	1,747.35	S	856.44	E 593.01	1,041.71
2140	1,804.71	1,754.71	S	862.39	E 596.24	1,048.43
2150	1,812.09	1,762.09	S	868.32	E 599.46	1,055.14
2160	1,819.49	1,769.49	S	874.23	E 602.67	1,061.83
2170	1,826.90	1,776.90	S	880.13	E 605.87	1,068.51
* 2180	1,834.34	1,784.34	S	886.01	E 609.06	1,075.16 *
2190	1,841.77	1,791.77	S	892.02	E 612.00	1,081.78
2200	1,849.20	1,799.20	S	898.04	E 614.93	1,088.40
2210	1,856.63	1,806.63	S	904.05	E 617.86	1,095.02
2220	1,864.06	1,814.06	S	910.06	E 620.80	1,101.64
2230	1,871.49	1,821.49	S	916.08	E 623.73	1,108.26
2240	1,878.92	1,828.92	S	922.09	E 626.66	1,114.88
2250	1,886.36	1,836.36	S	928.11	E 629.60	1,121.51
2260	1,893.79	1,843.79	S	934.12	E 632.53	1,128.13
2270	1,901.22	1,851.22	S	940.13	E 635.46	1,134.75
2280	1,908.65	1,858.65	S	946.15	E 638.39	1,141.38
2290	1,916.08	1,866.08	S	952.16	E 641.33	1,148.01
2300	1,923.51	1,873.51	S	958.18	E 644.26	1,154.63
2310	1,930.94	1,880.94	S	964.19	E 647.19	1,161.26
2320	1,938.38	1,888.38	S	970.20	E 650.13	1,167.89
2330	1,945.81	1,895.81	S	976.22	E 653.06	1,174.52
2340	1,953.24	1,903.24	S	982.23	E 655.99	1,181.15
2350	1,960.67	1,910.67	S	988.25	E 658.93	1,187.78
2360	1,968.10	1,918.10	S	994.26	E 661.86	1,194.41
2370	1,975.53	1,925.53	S	1,000.28	E 664.79	1,201.04
2380	1,982.96	1,932.96	S	1,006.29	E 667.73	1,207.68
2390	1,990.40	1,940.40	S	1,012.30	E 670.66	1,214.31
* 2397	1,995.60	1,945.60	S	1,016.51	E 672.71	1,218.95 *
2400	1,997.83	1,947.83	S	1,018.35	E 673.53	1,220.93
2410	2,005.26	1,955.26	S	1,024.46	E 676.25	1,227.53
2420	2,012.69	1,962.69	S	1,030.57	E 678.97	1,234.14
2430	2,020.12	1,970.12	S	1,036.69	E 681.70	1,240.74
2440	2,027.55	1,977.55	S	1,042.80	E 684.42	1,247.34
2450	2,034.98	1,984.98	S	1,048.91	E 687.14	1,253.95
2460	2,042.42	1,992.42	S	1,055.02	E 689.86	1,260.55
2470	2,049.85	1,999.85	S	1,061.14	E 692.58	1,267.16
2480	2,057.28	2,007.28	S	1,067.25	E 695.30	1,273.76
2490	2,064.71	2,014.71	S	1,073.36	E 698.03	1,280.37
2500	2,072.14	2,022.14	S	1,079.48	E 700.75	1,286.98
2510	2,079.57	2,029.57	S	1,085.59	E 703.47	1,293.59
2520	2,087.00	2,037.00	S	1,091.70	E 706.19	1,300.20
2530	2,094.44	2,044.44	S	1,097.81	E 708.91	1,306.81

DIRECTIONAL SURVEY FOR WELL LOG-6

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-610-D-LOG (LOG-6) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 26

CONDUCTOR DATA: 410' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 33.88 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CD - ORDINATES			HORIZONTAL DISTANCE
	2540	2,101.87	2,051.87	S 1,103.93	E 711.63	1,313.42
*	2550	2,109.30	2,059.30	S 1,110.04	E 714.35	1,320.04 *
	2560	2,116.73	2,066.73	S 1,116.29	E 716.75	1,326.59
	2570	2,124.16	2,074.16	S 1,122.53	E 719.15	1,333.14
	2580	2,131.59	2,081.59	S 1,128.78	E 721.55	1,339.69
	2590	2,139.03	2,089.03	S 1,135.03	E 723.95	1,346.25
	2600	2,146.46	2,096.46	S 1,141.27	E 726.34	1,352.81
	2610	2,153.89	2,103.89	S 1,147.52	E 728.74	1,359.37
	2620	2,161.32	2,111.32	S 1,153.77	E 731.14	1,365.92
	2630	2,168.75	2,118.75	S 1,160.01	E 733.54	1,372.49
	2640	2,176.18	2,126.18	S 1,166.26	E 735.94	1,379.05
	2650	2,183.61	2,133.61	S 1,172.51	E 738.33	1,385.61
	2660	2,191.05	2,141.05	S 1,178.75	E 740.73	1,392.18
	2670	2,198.48	2,148.48	S 1,185.00	E 743.13	1,398.74
	2680	2,205.91	2,155.91	S 1,191.25	E 745.53	1,405.31
	2690	2,213.34	2,163.34	S 1,197.50	E 747.93	1,411.88
	2700	2,220.77	2,170.77	S 1,203.74	E 750.32	1,418.45
	2710	2,228.20	2,178.20	S 1,209.99	E 752.72	1,425.02
	2720	2,235.63	2,185.63	S 1,216.24	E 755.12	1,431.59
	2730	2,243.07	2,193.07	S 1,222.48	E 757.52	1,438.16
	2740	2,250.50	2,200.50	S 1,228.73	E 759.92	1,444.73
	2750	2,257.93	2,207.93	S 1,234.98	E 762.31	1,451.31
	2760	2,265.36	2,215.36	S 1,241.22	E 764.71	1,457.88
	2770	2,272.79	2,222.79	S 1,247.47	E 767.11	1,464.46
	2780	2,280.22	2,230.22	S 1,253.72	E 769.51	1,471.04
	2790	2,287.65	2,237.65	S 1,259.96	E 771.91	1,477.62
	2800	2,295.09	2,245.09	S 1,266.21	E 774.30	1,484.20
	2810	2,302.52	2,252.52	S 1,272.46	E 776.70	1,490.78
	2820	2,309.95	2,259.95	S 1,278.70	E 779.10	1,497.36
*	2827	2,315.15	2,265.15	S 1,283.08	E 780.78	1,501.97 *
	2830	2,317.38	2,267.38	S 1,284.96	E 781.46	1,503.94
	2840	2,324.81	2,274.81	S 1,291.25	E 783.75	1,510.50
	2850	2,332.24	2,282.24	S 1,297.54	E 786.04	1,517.06
	2860	2,339.67	2,289.67	S 1,303.83	E 788.33	1,523.63
	2870	2,347.11	2,297.11	S 1,310.11	E 790.62	1,530.19
	2880	2,354.54	2,304.54	S 1,316.40	E 792.91	1,536.76
	2890	2,361.97	2,311.97	S 1,322.69	E 795.20	1,543.33
	2900	2,369.40	2,319.40	S 1,328.98	E 797.48	1,549.89
	2910	2,376.83	2,326.83	S 1,335.27	E 799.77	1,556.46
	2920	2,384.26	2,334.26	S 1,341.55	E 802.06	1,563.03
	2930	2,391.69	2,341.69	S 1,347.84	E 804.35	1,569.61
	2940	2,399.13	2,349.13	S 1,354.13	E 806.64	1,576.18
	2950	2,406.56	2,356.56	S 1,360.42	E 808.93	1,582.75
	2960	2,413.99	2,363.99	S 1,366.70	E 811.22	1,589.33
	2970	2,421.42	2,371.42	S 1,372.99	E 813.50	1,595.90

DIRECTIONAL SURVEY FOR WELL L06-6

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-610-D-L06 (L06-6) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 26

CONDUCTOR DATA: 410' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 33.88 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
2980	2,428.85	2,378.85	S 1,379.28	E	815.79	1,602.48
2990	2,436.28	2,386.28	S 1,385.57	E	818.08	1,609.06
3000	2,443.71	2,393.71	S 1,391.86	E	820.37	1,615.63
3010	2,451.15	2,401.15	S 1,398.14	E	822.66	1,622.21
3020	2,458.58	2,408.58	S 1,404.43	E	824.95	1,628.79
3030	2,466.01	2,416.01	S 1,410.72	E	827.24	1,635.38
3040	2,473.44	2,423.44	S 1,417.01	E	829.52	1,641.96
3050	2,480.87	2,430.87	S 1,423.29	E	831.81	1,648.54
* 3051	2,481.61	2,431.61	S 1,423.92	E	832.04	1,649.20 *
3060	2,488.30	2,438.30	S 1,429.62	E	834.00	1,655.11
3070	2,495.73	2,445.73	S 1,435.94	E	836.18	1,661.67
3080	2,503.17	2,453.17	S 1,442.27	E	838.36	1,668.23
3090	2,510.60	2,460.60	S 1,448.60	E	840.54	1,674.80
3100	2,518.03	2,468.03	S 1,454.92	E	842.72	1,681.36
3110	2,525.46	2,475.46	S 1,461.25	E	844.89	1,687.93
3120	2,532.89	2,482.89	S 1,467.58	E	847.07	1,694.50
3130	2,540.32	2,490.32	S 1,473.90	E	849.25	1,701.07
3140	2,547.75	2,497.75	S 1,480.23	E	851.43	1,707.64
3150	2,555.19	2,505.19	S 1,486.56	E	853.61	1,714.21
3160	2,562.62	2,512.62	S 1,492.89	E	855.79	1,720.78
3170	2,570.05	2,520.05	S 1,499.21	E	857.97	1,727.35
3180	2,577.48	2,527.48	S 1,505.54	E	860.14	1,733.93
3190	2,584.91	2,534.91	S 1,511.87	E	862.32	1,740.50
3200	2,592.34	2,542.34	S 1,518.19	E	864.50	1,747.08
3210	2,599.77	2,549.77	S 1,524.52	E	866.68	1,753.65
3220	2,607.21	2,557.21	S 1,530.85	E	868.86	1,760.23
3230	2,614.64	2,564.64	S 1,537.17	E	871.04	1,766.81
3240	2,622.07	2,572.07	S 1,543.50	E	873.21	1,773.39
3250	2,629.50	2,579.50	S 1,549.83	E	875.39	1,779.97
3260	2,636.93	2,586.93	S 1,556.15	E	877.57	1,786.55
* 3266	2,641.39	2,591.39	S 1,559.95	E	878.88	1,790.50 *
3270	2,644.36	2,594.36	S 1,562.51	E	879.66	1,793.11
3280	2,651.79	2,601.79	S 1,568.91	E	881.62	1,799.65
3290	2,659.23	2,609.23	S 1,575.31	E	883.57	1,806.18
3300	2,666.66	2,616.66	S 1,581.71	E	885.53	1,812.72
3310	2,674.09	2,624.09	S 1,588.10	E	887.49	1,819.26
3320	2,681.52	2,631.52	S 1,594.50	E	889.44	1,825.80
3330	2,688.95	2,638.95	S 1,600.90	E	891.40	1,832.34
3340	2,696.38	2,646.38	S 1,607.30	E	893.36	1,838.89
3350	2,703.82	2,653.82	S 1,613.70	E	895.31	1,845.43
3360	2,711.25	2,661.25	S 1,620.10	E	897.27	1,851.98
3370	2,718.68	2,668.68	S 1,626.50	E	899.22	1,858.52
3380	2,726.11	2,676.11	S 1,632.90	E	901.18	1,865.07
3390	2,733.54	2,683.54	S 1,639.30	E	903.14	1,871.62
3400	2,740.97	2,690.97	S 1,645.69	E	905.09	1,878.17

DIRECTIONAL SURVEY FOR WELL LOG-6

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-610-D-LOG (LOG-6) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 26

CONDUCTOR DATA: 410' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 33.88 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
3410	2,748.40	2,698.40	S 1,652.09	E 907.05		1,884.72
3420	2,755.84	2,705.84	S 1,658.49	E 909.01		1,891.27
3430	2,763.27	2,713.27	S 1,664.89	E 910.96		1,897.82
3440	2,770.70	2,720.70	S 1,671.29	E 912.92		1,904.37
3450	2,778.13	2,728.13	S 1,677.69	E 914.88		1,910.93
3460	2,785.56	2,735.56	S 1,684.09	E 916.83		1,917.48
3470	2,792.99	2,742.99	S 1,690.49	E 918.79		1,924.04
3480	2,800.42	2,750.42	S 1,696.89	E 920.74		1,930.60
* 3482	2,801.91	2,751.91	S 1,698.17	E 921.14		1,931.91 *
3490	2,807.86	2,757.86	S 1,703.33	E 922.52		1,937.11
3500	2,815.30	2,765.30	S 1,709.79	E 924.25		1,943.61
3510	2,822.74	2,772.74	S 1,716.24	E 925.98		1,950.11
3520	2,830.18	2,780.18	S 1,722.69	E 927.71		1,956.61
3530	2,837.63	2,787.63	S 1,729.13	E 929.43		1,963.10
3540	2,845.09	2,795.09	S 1,735.57	E 931.16		1,969.59
3550	2,852.54	2,802.54	S 1,742.01	E 932.88		1,976.08
3560	2,860.00	2,810.00	S 1,748.44	E 934.61		1,982.56
3570	2,867.47	2,817.47	S 1,754.87	E 936.33		1,989.04
3580	2,874.93	2,824.93	S 1,761.29	E 938.05		1,995.52
3590	2,882.41	2,832.41	S 1,767.71	E 939.77		2,002.00
3600	2,889.88	2,839.88	S 1,774.13	E 941.49		2,008.47
3610	2,897.36	2,847.36	S 1,780.54	E 943.21		2,014.94
3620	2,904.84	2,854.84	S 1,786.95	E 944.93		2,021.41
3630	2,912.33	2,862.33	S 1,793.36	E 946.64		2,027.87
3640	2,919.82	2,869.82	S 1,799.76	E 948.36		2,034.33
3650	2,927.31	2,877.31	S 1,806.15	E 950.07		2,040.79
3660	2,934.81	2,884.81	S 1,812.54	E 951.78		2,047.24
3670	2,942.31	2,892.31	S 1,818.93	E 953.50		2,053.70
3680	2,949.82	2,899.82	S 1,825.31	E 955.21		2,060.15
3690	2,957.32	2,907.32	S 1,831.69	E 956.92		2,066.59
3700	2,964.84	2,914.84	S 1,838.07	E 958.62		2,073.03
3710	2,972.35	2,922.35	S 1,844.44	E 960.33		2,079.47
3720	2,979.87	2,929.87	S 1,850.81	E 962.04		2,085.91
3730	2,987.39	2,937.39	S 1,857.17	E 963.74		2,092.34
3740	2,994.92	2,944.92	S 1,863.53	E 965.45		2,098.77
3750	3,002.45	2,952.45	S 1,869.89	E 967.15		2,105.20
3760	3,009.98	2,959.98	S 1,876.24	E 968.85		2,111.63
3770	3,017.52	2,967.52	S 1,882.59	E 970.55		2,118.05
3780	3,025.06	2,975.06	S 1,888.93	E 972.25		2,124.46
3790	3,032.61	2,982.61	S 1,895.27	E 973.95		2,130.88
* 3796	3,037.14	2,987.14	S 1,899.07	E 974.97		2,134.73 *
3800	3,040.16	2,990.16	S 1,901.62	E 975.60		2,137.28
3810	3,047.71	2,997.71	S 1,907.98	E 977.19		2,143.66
3820	3,055.27	3,005.27	S 1,914.33	E 978.77		2,150.04
3830	3,062.83	3,012.83	S 1,920.67	E 980.35		2,156.41

DIRECTIONAL SURVEY FOR WELL L06-6

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-610-D-L06 (L06-6) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 26

CONDUCTOR DATA: 410' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 33.88 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
3840	3,070.40	3,020.40	S 1,927.01	E 981.94		2,162.77
3850	3,077.98	3,027.98	S 1,933.35	E 983.52		2,169.14
3860	3,085.56	3,035.56	S 1,939.68	E 985.09		2,175.49
3870	3,093.15	3,043.15	S 1,946.00	E 986.67		2,181.84
3880	3,100.74	3,050.74	S 1,952.32	E 988.24		2,188.19
3890	3,108.33	3,058.33	S 1,958.63	E 989.82		2,194.53
3900	3,115.93	3,065.93	S 1,964.93	E 991.39		2,200.87
3910	3,123.54	3,073.54	S 1,971.23	E 992.96		2,207.20
3920	3,131.15	3,081.15	S 1,977.53	E 994.53		2,213.53
3930	3,138.77	3,088.77	S 1,983.81	E 996.10		2,219.85
3940	3,146.39	3,096.39	S 1,990.09	E 997.66		2,226.17
3950	3,154.02	3,104.02	S 1,996.37	E 999.23		2,232.48
3960	3,161.65	3,111.65	S 2,002.64	E 1,000.79		2,238.79
3970	3,169.28	3,119.28	S 2,008.90	E 1,002.35		2,245.09
3980	3,176.93	3,126.93	S 2,015.16	E 1,003.91		2,251.38
3990	3,184.57	3,134.57	S 2,021.41	E 1,005.47		2,257.68
4000	3,192.23	3,142.23	S 2,027.66	E 1,007.03		2,263.96
4010	3,199.88	3,149.88	S 2,033.90	E 1,008.59		2,270.24
* 4016	3,204.48	3,154.48	S 2,037.64	E 1,009.52		2,274.01 *
4020	3,207.54	3,157.54	S 2,040.17	E 1,010.01		2,276.49
4030	3,215.20	3,165.20	S 2,046.48	E 1,011.24		2,282.70
4040	3,222.85	3,172.85	S 2,052.80	E 1,012.47		2,288.91
4050	3,230.50	3,180.50	S 2,059.13	E 1,013.69		2,295.12
4060	3,238.15	3,188.15	S 2,065.45	E 1,014.92		2,301.34
4070	3,245.79	3,195.79	S 2,071.78	E 1,016.15		2,307.57
4080	3,253.43	3,203.43	S 2,078.12	E 1,017.39		2,313.80
4090	3,261.06	3,211.06	S 2,084.46	E 1,018.62		2,320.03
4100	3,268.70	3,218.70	S 2,090.80	E 1,019.85		2,326.27
4110	3,276.33	3,226.33	S 2,097.14	E 1,021.08		2,332.52
4120	3,283.95	3,233.95	S 2,103.49	E 1,022.32		2,338.77
4130	3,291.57	3,241.57	S 2,109.85	E 1,023.55		2,345.02
4140	3,299.19	3,249.19	S 2,116.20	E 1,024.79		2,351.28
4150	3,306.81	3,256.81	S 2,122.57	E 1,026.03		2,357.55
4160	3,314.42	3,264.42	S 2,128.93	E 1,027.26		2,363.82
4170	3,322.03	3,272.03	S 2,135.30	E 1,028.50		2,370.09
4180	3,329.64	3,279.64	S 2,141.67	E 1,029.74		2,376.37
4190	3,337.24	3,287.24	S 2,148.05	E 1,030.98		2,382.65
4200	3,344.84	3,294.84	S 2,154.43	E 1,032.22		2,388.94
4210	3,352.44	3,302.44	S 2,160.81	E 1,033.46		2,395.24
4220	3,360.03	3,310.03	S 2,167.20	E 1,034.70		2,401.54
4230	3,367.62	3,317.62	S 2,173.59	E 1,035.94		2,407.84
4240	3,375.20	3,325.20	S 2,179.99	E 1,037.19		2,414.15
4250	3,382.79	3,332.79	S 2,186.39	E 1,038.43		2,420.46
4260	3,390.37	3,340.37	S 2,192.79	E 1,039.68		2,426.78
4270	3,397.94	3,347.94	S 2,199.20	E 1,040.92		2,433.11

DIRECTIONAL SURVEY FOR WELL L06-6

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-610-D-L06 (L06-6) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 26

CONDUCTOR DATA: 410' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 33.88 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES		HORIZONTAL DISTANCE
4280	3,405.52	3,355.52	S 2,205.61	E 1,042.17	2,439.44
4290	3,413.08	3,363.08	S 2,212.03	E 1,043.42	2,445.77
4300	3,420.65	3,370.65	S 2,218.45	E 1,044.66	2,452.11
4310	3,428.21	3,378.21	S 2,224.87	E 1,045.91	2,458.45
4320	3,435.77	3,385.77	S 2,231.29	E 1,047.16	2,464.80
4330	3,443.33	3,393.33	S 2,237.72	E 1,048.41	2,471.15
4340	3,450.88	3,400.88	S 2,244.16	E 1,049.66	2,477.51
4350	3,458.43	3,408.43	S 2,250.60	E 1,050.91	2,483.87
* 4356	3,462.96	3,412.96	S 2,254.46	E 1,051.66	2,487.69 *
4360	3,465.98	3,415.98	S 2,257.06	E 1,052.03	2,490.20
4370	3,473.53	3,423.53	S 2,263.55	E 1,052.94	2,496.47
4380	3,481.08	3,431.08	S 2,270.05	E 1,053.85	2,502.74
4390	3,488.63	3,438.63	S 2,276.54	E 1,054.77	2,509.02
4400	3,496.18	3,446.18	S 2,283.03	E 1,055.68	2,515.29
4410	3,503.73	3,453.73	S 2,289.52	E 1,056.59	2,521.56
4420	3,511.29	3,461.29	S 2,296.00	E 1,057.50	2,527.84
4430	3,518.85	3,468.85	S 2,302.49	E 1,058.41	2,534.11
4440	3,526.40	3,476.40	S 2,308.98	E 1,059.33	2,540.38
4450	3,533.96	3,483.96	S 2,315.46	E 1,060.24	2,546.66
4460	3,541.52	3,491.52	S 2,321.94	E 1,061.15	2,552.93
4470	3,549.09	3,499.09	S 2,328.42	E 1,062.06	2,559.20
4480	3,556.65	3,506.65	S 2,334.90	E 1,062.97	2,565.47
4490	3,564.21	3,514.21	S 2,341.38	E 1,063.88	2,571.75
4500	3,571.78	3,521.78	S 2,347.85	E 1,064.79	2,578.02
4510	3,579.35	3,529.35	S 2,354.32	E 1,065.70	2,584.29
4520	3,586.91	3,536.91	S 2,360.80	E 1,066.61	2,590.56
4530	3,594.48	3,544.48	S 2,367.27	E 1,067.52	2,596.84
4540	3,602.05	3,552.05	S 2,373.74	E 1,068.43	2,603.11
4550	3,609.63	3,559.63	S 2,380.21	E 1,069.34	2,609.38
4560	3,617.20	3,567.20	S 2,386.67	E 1,070.24	2,615.65
4570	3,624.77	3,574.77	S 2,393.14	E 1,071.15	2,621.92
4580	3,632.35	3,582.35	S 2,399.60	E 1,072.06	2,628.20
4590	3,639.93	3,589.93	S 2,406.06	E 1,072.97	2,634.47
4600	3,647.51	3,597.51	S 2,412.53	E 1,073.88	2,640.74
4610	3,655.09	3,605.09	S 2,418.98	E 1,074.79	2,647.01
4620	3,662.67	3,612.67	S 2,425.44	E 1,075.69	2,653.28
4630	3,670.25	3,620.25	S 2,431.90	E 1,076.60	2,659.55
4640	3,677.83	3,627.83	S 2,438.35	E 1,077.51	2,665.82
4650	3,685.42	3,635.42	S 2,444.81	E 1,078.42	2,672.09
4660	3,693.00	3,643.00	S 2,451.26	E 1,079.32	2,678.36
4670	3,700.59	3,650.59	S 2,457.71	E 1,080.23	2,684.63
4680	3,708.18	3,658.18	S 2,464.16	E 1,081.13	2,690.90
4690	3,715.77	3,665.77	S 2,470.61	E 1,082.04	2,697.17
4700	3,723.36	3,673.36	S 2,477.05	E 1,082.95	2,703.44
4710	3,730.95	3,680.95	S 2,483.50	E 1,083.85	2,709.71

DIRECTIONAL SURVEY FOR WELL L06-6

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-610-D-L06 (L06-6) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 26

CONDUCTOR DATA: 410' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 33.88 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES		HORIZONTAL DISTANCE
4720	3,738.55	3,688.55	S 2,489.94	E 1,084.76	2,715.97
4730	3,746.14	3,696.14	S 2,496.38	E 1,085.66	2,722.24
4740	3,753.74	3,703.74	S 2,502.82	E 1,086.57	2,728.51
4750	3,761.34	3,711.34	S 2,509.26	E 1,087.47	2,734.78
4760	3,768.94	3,718.94	S 2,515.70	E 1,088.38	2,741.04
4770	3,776.54	3,726.54	S 2,522.13	E 1,089.28	2,747.31
4780	3,784.14	3,734.14	S 2,528.57	E 1,090.19	2,753.57
4790	3,791.74	3,741.74	S 2,535.00	E 1,091.09	2,759.84
* 4800	3,799.34	3,749.34	S 2,541.43	E 1,091.99	2,766.10 *
4810	3,806.94	3,756.94	S 2,547.89	E 1,092.73	2,772.33
4820	3,814.53	3,764.53	S 2,554.36	E 1,093.47	2,778.57
4830	3,822.12	3,772.12	S 2,560.83	E 1,094.21	2,784.81
4840	3,829.70	3,779.70	S 2,567.32	E 1,094.94	2,791.06
4850	3,837.27	3,787.27	S 2,573.80	E 1,095.68	2,797.32
4860	3,844.84	3,794.84	S 2,580.30	E 1,096.42	2,803.59
4870	3,852.40	3,802.40	S 2,586.80	E 1,097.16	2,809.86
4880	3,859.95	3,809.95	S 2,593.31	E 1,097.91	2,816.15
4890	3,867.50	3,817.50	S 2,599.83	E 1,098.65	2,822.44
4900	3,875.04	3,825.04	S 2,606.36	E 1,099.39	2,828.74
4910	3,882.58	3,832.58	S 2,612.89	E 1,100.14	2,835.05
4920	3,890.10	3,840.10	S 2,619.43	E 1,100.88	2,841.36
4930	3,897.63	3,847.63	S 2,625.97	E 1,101.63	2,847.69
4940	3,905.14	3,855.14	S 2,632.53	E 1,102.37	2,854.02
4950	3,912.65	3,862.65	S 2,639.09	E 1,103.12	2,860.36
4960	3,920.16	3,870.16	S 2,645.66	E 1,103.87	2,866.71
4970	3,927.65	3,877.65	S 2,652.23	E 1,104.62	2,873.07
4980	3,935.14	3,885.14	S 2,658.81	E 1,105.37	2,879.43
4990	3,942.63	3,892.63	S 2,665.40	E 1,106.12	2,885.81
5000	3,950.11	3,900.11	S 2,672.00	E 1,106.87	2,892.19
5010	3,957.58	3,907.58	S 2,678.60	E 1,107.62	2,898.58
5020	3,965.04	3,915.04	S 2,685.21	E 1,108.38	2,904.97
5030	3,972.50	3,922.50	S 2,691.83	E 1,109.13	2,911.38
5040	3,979.96	3,929.96	S 2,698.46	E 1,109.89	2,917.79
5050	3,987.40	3,937.40	S 2,705.09	E 1,110.64	2,924.22
5060	3,994.84	3,944.84	S 2,711.73	E 1,111.40	2,930.64
5070	4,002.28	3,952.28	S 2,718.37	E 1,112.15	2,937.08
* 5073	4,004.50	3,954.50	S 2,720.37	E 1,112.38	2,939.01 *
5080	4,009.71	3,959.71	S 2,725.03	E 1,112.87	2,943.51
5090	4,017.13	3,967.13	S 2,731.69	E 1,113.57	2,949.95
5100	4,024.55	3,974.55	S 2,738.35	E 1,114.27	2,956.38
5110	4,031.97	3,981.97	S 2,745.02	E 1,114.97	2,962.82
5120	4,039.39	3,989.39	S 2,751.69	E 1,115.67	2,969.27
5130	4,046.80	3,996.80	S 2,758.37	E 1,116.38	2,975.72
5140	4,054.21	4,004.21	S 2,765.05	E 1,117.08	2,982.18
5150	4,061.61	4,011.61	S 2,771.73	E 1,117.78	2,988.64

DIRECTIONAL SURVEY FOR WELL LD6-6

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-610-D-LD6 (LD6-6) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 26

CONDUCTOR DATA: 410' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 33.88 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES		HORIZONTAL DISTANCE
5160	4,069.02	4,019.02	S 2,778.42	E 1,118.48	2,995.10
5170	4,076.42	4,026.42	S 2,785.11	E 1,119.19	3,001.57
5180	4,083.81	4,033.81	S 2,791.80	E 1,119.89	3,008.04
5190	4,091.20	4,041.20	S 2,798.50	E 1,120.59	3,014.52
5200	4,098.59	4,048.59	S 2,805.20	E 1,121.30	3,021.01
5210	4,105.98	4,055.98	S 2,811.91	E 1,122.00	3,027.49
5220	4,113.36	4,063.36	S 2,818.62	E 1,122.71	3,033.99
5230	4,120.74	4,070.74	S 2,825.33	E 1,123.41	3,040.49
5240	4,128.11	4,078.11	S 2,832.05	E 1,124.12	3,046.99
5250	4,135.49	4,085.49	S 2,838.76	E 1,124.83	3,053.49
5260	4,142.85	4,092.85	S 2,845.49	E 1,125.53	3,060.01
5270	4,150.22	4,100.22	S 2,852.22	E 1,126.24	3,066.52
5280	4,157.58	4,107.58	S 2,858.95	E 1,126.95	3,073.04
5290	4,164.94	4,114.94	S 2,865.68	E 1,127.65	3,079.57
5300	4,172.29	4,122.29	S 2,872.42	E 1,128.36	3,086.10
5310	4,179.65	4,129.65	S 2,879.16	E 1,129.07	3,092.63
5320	4,186.99	4,136.99	S 2,885.91	E 1,129.78	3,099.17
5330	4,194.34	4,144.34	S 2,892.66	E 1,130.49	3,105.72
5340	4,201.68	4,151.68	S 2,899.41	E 1,131.20	3,112.26
5350	4,209.02	4,159.02	S 2,906.16	E 1,131.91	3,118.82
5360	4,216.35	4,166.35	S 2,912.92	E 1,132.62	3,125.37
5370	4,223.69	4,173.69	S 2,919.69	E 1,133.33	3,131.94
5380	4,231.01	4,181.01	S 2,926.46	E 1,134.04	3,138.50
5390	4,238.34	4,188.34	S 2,933.23	E 1,134.75	3,145.07
5400	4,245.66	4,195.66	S 2,940.00	E 1,135.47	3,151.65
5410	4,252.98	4,202.98	S 2,946.78	E 1,136.18	3,158.23
5420	4,260.29	4,210.29	S 2,953.56	E 1,136.89	3,164.82
5430	4,267.60	4,217.60	S 2,960.35	E 1,137.60	3,171.40
5440	4,274.91	4,224.91	S 2,967.14	E 1,138.32	3,178.00
5450	4,282.21	4,232.21	S 2,973.93	E 1,139.03	3,184.60
5460	4,289.51	4,239.51	S 2,980.73	E 1,139.75	3,191.20
5470	4,296.81	4,246.81	S 2,987.53	E 1,140.46	3,197.81
5480	4,304.10	4,254.10	S 2,994.33	E 1,141.18	3,204.42
5490	4,311.39	4,261.39	S 3,001.14	E 1,141.89	3,211.03
5500	4,318.68	4,268.68	S 3,007.95	E 1,142.61	3,217.66
5510	4,325.96	4,275.96	S 3,014.76	E 1,143.32	3,224.28
5520	4,333.24	4,283.24	S 3,021.58	E 1,144.04	3,230.91
5530	4,340.52	4,290.52	S 3,028.40	E 1,144.76	3,237.54
5540	4,347.79	4,297.79	S 3,035.23	E 1,145.47	3,244.18
5550	4,355.06	4,305.06	S 3,042.06	E 1,146.19	3,250.83
5560	4,362.33	4,312.33	S 3,048.89	E 1,146.91	3,257.47
5570	4,369.59	4,319.59	S 3,055.73	E 1,147.63	3,264.13
5580	4,376.85	4,326.85	S 3,062.56	E 1,148.35	3,270.78
5590	4,384.11	4,334.11	S 3,069.41	E 1,149.07	3,277.44
5600	4,391.36	4,341.36	S 3,076.26	E 1,149.79	3,284.11

DIRECTIONAL SURVEY FOR WELL L06-6

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-610-D-L06 (L06-6) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 26

CONDUCTOR DATA: 410' MD. DEVIATION: 15.00 DEGREES ORIENTATION: S - 33.88 - E

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES		HORIZONTAL DISTANCE
5610	4,398.61	4,348.61	S 3,083.11	E 1,150.51	3,290.78
5620	4,405.86	4,355.86	S 3,089.96	E 1,151.23	3,297.45
5630	4,413.10	4,363.10	S 3,096.82	E 1,151.95	3,304.13
5640	4,420.34	4,370.34	S 3,103.68	E 1,152.67	3,310.81
5650	4,427.57	4,377.57	S 3,110.55	E 1,153.39	3,317.50
5660	4,434.80	4,384.80	S 3,117.41	E 1,154.11	3,324.19
5670	4,442.03	4,392.03	S 3,124.29	E 1,154.84	3,330.89
5680	4,449.26	4,399.26	S 3,131.16	E 1,155.56	3,337.59
5690	4,456.48	4,406.48	S 3,138.04	E 1,156.28	3,344.29
5700	4,463.70	4,413.70	S 3,144.92	E 1,157.00	3,351.00
5710	4,470.91	4,420.91	S 3,151.81	E 1,157.73	3,357.72
5720	4,478.12	4,428.12	S 3,158.70	E 1,158.45	3,364.43
5730	4,485.33	4,435.33	S 3,165.60	E 1,159.18	3,371.16
5740	4,492.53	4,442.53	S 3,172.49	E 1,159.90	3,377.88
5750	4,499.73	4,449.73	S 3,179.39	E 1,160.63	3,384.61
5760	4,506.93	4,456.93	S 3,186.30	E 1,161.35	3,391.35
5770	4,514.13	4,464.13	S 3,193.21	E 1,162.08	3,398.09
* 5771	4,514.85	4,464.85	S 3,193.90	E 1,162.15	3,398.76 *
5780	4,521.32	4,471.32	S 3,200.12	E 1,162.75	3,404.82
5790	4,528.51	4,478.51	S 3,207.04	E 1,163.42	3,411.55
5800	4,535.70	4,485.70	S 3,213.96	E 1,164.08	3,418.28
5810	4,542.88	4,492.88	S 3,220.88	E 1,164.75	3,425.02
5820	4,550.06	4,500.06	S 3,227.81	E 1,165.42	3,431.76
5830	4,557.25	4,507.25	S 3,234.73	E 1,166.08	3,438.50
5840	4,564.43	4,514.43	S 3,241.66	E 1,166.75	3,445.24
5850	4,571.60	4,521.60	S 3,248.59	E 1,167.42	3,451.99
5860	4,578.78	4,528.78	S 3,255.53	E 1,168.09	3,458.74
5870	4,585.95	4,535.95	S 3,262.46	E 1,168.75	3,465.49
5880	4,593.13	4,543.13	S 3,269.40	E 1,169.42	3,472.25
5890	4,600.30	4,550.30	S 3,276.34	E 1,170.09	3,479.01
5900	4,607.46	4,557.46	S 3,283.28	E 1,170.76	3,485.77
5910	4,614.63	4,564.63	S 3,290.22	E 1,171.43	3,492.53
5920	4,621.79	4,571.79	S 3,297.16	E 1,172.10	3,499.30
* 5926	4,626.09	4,576.09	S 3,301.33	E 1,172.50	3,503.36 *