

DIRECTIONAL SURVEY FOR WELL L016-22
RAW DATA

WELL No. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

THE CONDUCTOR IS VERTICAL

No.	MEASURED DEPTH	DEVIATION ANGLE	ORIENTATION
1	466	0.75	N - 66.00 - W
2	496	0.75	N - 64.00 - E
3	527	0.75	N - 74.00 - E
4	709	1.00	S - 71.00 - E
5	823	0.75	N - 62.00 - W
6	886	0.50	N - 28.00 - E
7	947	2.75	S - 80.00 - W
8	1041	5.00	N - 85.00 - W
9	1072	5.75	S - 85.00 - W
10	1104	6.50	S - 76.00 - W
11	1135	7.50	S - 63.00 - W
12	1167	8.50	S - 67.00 - W
13	1239	12.00	S - 69.00 - W
14	1332	14.00	S - 60.00 - W
15	1424	17.25	S - 65.00 - W
16	1515	21.00	S - 64.00 - W
17	1613	21.75	S - 68.00 - W
18	1730	22.00	S - 68.00 - W
19	1841	21.75	S - 70.00 - W
20	2142	22.00	S - 69.00 - W
21	2392	22.00	S - 75.00 - W
22	2643	22.50	S - 74.00 - W
23	2894	23.50	S - 75.00 - W
24	3143	23.25	S - 79.00 - W
25	3395	23.00	S - 79.00 - W
26	3644	22.75	S - 81.00 - W
27	3894	22.00	S - 85.00 - W
28	4061	21.75	S - 87.00 - W
29	4218	22.00	S - 89.50 - W
30	4311	22.25	N - 87.50 - W
31	4403	22.75	N - 83.00 - W
32	4475	23.00	N - 83.00 - W
33	4621	19.25	S - 84.00 - W
34	4742	19.00	S - 87.00 - W
35	4869	19.75	S - 89.00 - W
36	4992	20.00	N - 88.00 - W
37	5145	21.00	N - 83.00 - W
38	5185	19.25	N - 88.00 - W
39	5248	19.00	S - 85.00 - W
40	5393	22.00	S - 77.00 - W
41	5546	22.00	S - 79.50 - W
42	5704	22.00	S - 82.00 - W
43	5950	22.00	S - 87.00 - W
44	6200	23.50	N - 88.00 - W
45	6475	23.00	N - 83.00 - W
46	6722	23.00	N - 77.00 - W
47	7130	24.00	N - 72.00 - W
48	8002	20.00	N - 72.00 - W

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COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

	MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE	
*	370	370.00	320.00	N	0.00	E	0.00	0.00 *
	380	379.99	329.99	N	0.00	W	0.01	0.01
	390	389.99	339.99	N	0.01	W	0.03	0.04
	400	399.99	349.99	N	0.03	W	0.07	0.08
	410	409.99	359.99	N	0.05	W	0.12	0.13
	420	419.99	369.99	N	0.08	W	0.18	0.20
	430	429.99	379.99	N	0.11	W	0.26	0.28
	440	439.99	389.99	N	0.15	W	0.34	0.38
	450	449.99	399.99	N	0.19	W	0.44	0.49
	460	459.99	409.99	N	0.24	W	0.56	0.61
*	466	465.99	415.99	N	0.28	W	0.63	0.69 *
	470	469.99	419.99	N	0.30	W	0.58	0.65
	480	479.99	429.99	N	0.36	W	0.46	0.59
	490	489.99	439.99	N	0.41	W	0.34	0.54
*	496	495.99	445.99	N	0.45	W	0.27	0.53 *
	500	499.99	449.99	N	0.46	W	0.22	0.52
	510	509.99	459.99	N	0.50	W	0.10	0.51
	520	519.99	469.99	N	0.54	E	0.02	0.54
*	527	526.99	476.99	N	0.56	E	0.11	0.57 *
	530	529.99	479.99	N	0.55	E	0.14	0.57
	540	539.99	489.99	N	0.50	E	0.27	0.57
	550	549.98	499.98	N	0.46	E	0.40	0.61
	560	559.98	509.98	N	0.41	E	0.53	0.67
	570	569.98	519.98	N	0.37	E	0.66	0.76
	580	579.98	529.98	N	0.32	E	0.80	0.86
	590	589.98	539.98	N	0.27	E	0.94	0.98
	600	599.98	549.98	N	0.23	E	1.08	1.10
	610	609.98	559.98	N	0.18	E	1.22	1.23
	620	619.98	569.98	N	0.13	E	1.37	1.37
	630	629.98	579.98	N	0.08	E	1.51	1.51
	640	639.97	589.97	N	0.02	E	1.66	1.66
	650	649.97	599.97	S	0.02	E	1.81	1.81
	660	659.97	609.97	S	0.07	E	1.97	1.97
	670	669.97	619.97	S	0.12	E	2.12	2.13
	680	679.97	629.97	S	0.18	E	2.28	2.29
	690	689.97	639.97	S	0.23	E	2.44	2.45
	700	699.97	649.97	S	0.29	E	2.61	2.62
*	709	708.96	658.96	S	0.34	E	2.75	2.78 *
	710	709.96	659.96	S	0.33	E	2.74	2.76
	720	719.96	669.96	S	0.25	E	2.59	2.60
	730	729.96	679.96	S	0.18	E	2.44	2.45
	740	739.96	689.96	S	0.10	E	2.30	2.30
	750	749.96	699.96	S	0.02	E	2.16	2.16
	760	759.96	709.96	N	0.04	E	2.02	2.02
	770	769.96	719.96	N	0.11	E	1.89	1.89

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COMPUTATIONS AT 10 FEET INCREMENTS

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CONDUCTOR IS VERTICAL

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MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
780	779.96	729.96	N	0.18	E	1.77
790	789.95	739.95	N	0.25	E	1.65
800	799.95	749.95	N	0.31	E	1.54
810	809.95	759.95	N	0.38	E	1.44
820	819.95	769.95	N	0.44	E	1.34
* 823	822.95	772.95	N	0.46	E	1.32 *
830	829.95	779.95	N	0.53	E	1.39
840	839.95	789.95	N	0.64	E	1.48
850	849.95	799.95	N	0.74	E	1.57
860	859.95	809.95	N	0.83	E	1.66
870	869.95	819.95	N	0.92	E	1.74
880	879.95	829.95	N	1.00	E	1.82
* 886	885.95	835.95	N	1.04	E	1.87 *
890	889.95	839.95	N	1.04	E	1.83
900	899.95	849.95	N	1.01	E	1.67
910	909.94	859.94	N	0.96	E	1.46
920	919.94	869.94	N	0.91	E	1.21
930	929.93	879.93	N	0.85	E	0.95
940	939.92	889.92	N	0.77	E	0.77
* 947	946.91	896.91	N	0.71	W	0.78 *
950	949.91	899.91	N	0.73	W	0.87
960	959.90	909.90	N	0.77	W	1.27
970	969.88	919.88	N	0.82	W	1.78
980	979.86	929.86	N	0.88	W	2.36
990	989.84	939.84	N	0.93	W	3.00
1000	999.81	949.81	N	0.99	W	3.68
1010	1,009.79	959.79	N	1.06	W	4.42
1020	1,019.76	969.76	N	1.13	W	5.19
1030	1,029.72	979.72	N	1.20	W	6.01
1040	1,039.68	989.68	N	1.28	W	6.87
* 1041	1,040.68	990.68	N	1.28	W	6.96 *
1050	1,049.64	999.64	N	1.21	W	7.75
1060	1,059.60	1,009.60	N	1.13	W	8.68
1070	1,069.55	1,019.55	N	1.04	W	9.65
* 1072	1,071.54	1,021.54	N	1.02	W	9.85 *
1080	1,079.50	1,029.50	N	0.82	W	10.63
1090	1,089.44	1,039.44	N	0.56	W	11.65
1100	1,099.37	1,049.37	N	0.29	W	12.73
* 1104	1,103.35	1,053.35	N	0.19	W	13.16 *
1110	1,109.31	1,059.31	S	0.12	W	13.78
1120	1,119.23	1,069.23	S	0.68	W	14.89
1130	1,129.15	1,079.15	S	1.26	W	16.06
* 1135	1,134.11	1,084.11	S	1.55	W	16.67 *
1140	1,139.06	1,089.06	S	1.81	W	17.30
1150	1,148.97	1,098.97	S	2.36	W	18.63

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	1160	1,158.86	1,108.86	S	2.92	W	19.81	20.02	
*	1167	1,165.79	1,115.79	S	3.32	W	20.76	21.02	*
	1170	1,168.75	1,118.75	S	3.48	W	21.18	21.47	
	1180	1,178.63	1,128.63	S	4.05	W	22.66	23.02	
	1190	1,188.49	1,138.49	S	4.65	W	24.22	24.67	
	1200	1,198.33	1,148.33	S	5.28	W	25.86	26.39	
	1210	1,208.16	1,158.16	S	5.94	W	27.58	28.21	
	1220	1,217.97	1,167.97	S	6.63	W	29.37	30.11	
	1230	1,227.77	1,177.77	S	7.35	W	31.24	32.09	
*	1239	1,236.57	1,186.57	S	8.02	W	32.99	33.95	*
	1240	1,237.55	1,187.55	S	8.12	W	33.17	34.15	
	1250	1,247.32	1,197.32	S	9.18	W	35.00	36.19	
	1260	1,257.09	1,207.09	S	10.26	W	36.87	38.27	
	1270	1,266.85	1,216.85	S	11.35	W	38.77	40.40	
	1280	1,276.59	1,226.59	S	12.47	W	40.70	42.57	
	1290	1,286.33	1,236.33	S	13.60	W	42.66	44.78	
	1300	1,296.07	1,246.07	S	14.75	W	44.66	47.03	
	1310	1,305.79	1,255.79	S	15.92	W	46.68	49.32	
	1320	1,315.50	1,265.50	S	17.11	W	48.74	51.66	
	1330	1,325.21	1,275.21	S	18.32	W	50.83	54.03	
*	1332	1,327.15	1,277.15	S	18.56	W	51.25	54.51	*
	1340	1,334.90	1,284.90	S	19.39	W	53.04	56.47	
	1350	1,344.58	1,294.58	S	20.46	W	55.33	58.99	
	1360	1,354.24	1,304.24	S	21.55	W	57.67	61.57	
	1370	1,363.88	1,313.88	S	22.67	W	60.07	64.21	
	1380	1,373.51	1,323.51	S	23.81	W	62.52	66.90	
	1390	1,383.12	1,333.12	S	24.98	W	65.03	69.66	
	1400	1,392.71	1,342.71	S	26.18	W	67.59	72.48	
	1410	1,402.28	1,352.28	S	27.40	W	70.20	75.36	
	1420	1,411.84	1,361.84	S	28.64	W	72.86	78.29	
*	1424	1,415.66	1,365.66	S	29.14	W	73.94	79.48	*
	1430	1,421.38	1,371.38	S	29.93	W	75.56	81.27	
	1440	1,430.90	1,380.90	S	31.28	W	78.32	84.34	
	1450	1,440.39	1,390.39	S	32.66	W	81.15	87.48	
	1460	1,449.86	1,399.86	S	34.06	W	84.04	90.68	
	1470	1,459.31	1,409.31	S	35.50	W	86.98	93.95	
	1480	1,468.73	1,418.73	S	36.97	W	89.99	97.29	
	1490	1,478.13	1,428.13	S	38.47	W	93.06	100.70	
	1500	1,487.51	1,437.51	S	39.99	W	96.19	104.18	
	1510	1,496.85	1,446.85	S	41.55	W	99.38	107.72	
*	1515	1,501.52	1,451.52	S	42.34	W	100.99	109.51	*
	1520	1,506.19	1,456.19	S	43.01	W	102.66	111.30	
	1530	1,515.52	1,465.52	S	44.36	W	106.00	114.91	
	1540	1,524.84	1,474.84	S	45.71	W	109.35	118.52	
	1550	1,534.16	1,484.16	S	47.07	W	112.71	122.15	

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MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES				HORIZONTAL DISTANCE
1560	1,543.47	1,493.47	S	48.43	W	116.09	125.79
1570	1,552.78	1,502.78	S	49.80	W	119.47	129.44
1580	1,562.09	1,512.09	S	51.17	W	122.87	133.10
1590	1,571.39	1,521.39	S	52.55	W	126.28	136.78
1600	1,580.68	1,530.68	S	53.93	W	129.70	140.47
1610	1,589.97	1,539.97	S	55.32	W	133.13	144.17
* 1613	1,592.76	1,542.76	S	55.74	W	134.17	145.28 *
1620	1,599.26	1,549.26	S	56.71	W	136.57	147.88
1630	1,608.55	1,558.55	S	58.10	W	140.01	151.59
1640	1,617.83	1,567.83	S	59.49	W	143.46	155.30
1650	1,627.11	1,577.11	S	60.88	W	146.90	159.02
1660	1,636.40	1,586.40	S	62.28	W	150.35	162.74
1670	1,645.68	1,595.68	S	63.67	W	153.81	166.47
1680	1,654.96	1,604.96	S	65.07	W	157.26	170.19
1690	1,664.23	1,614.23	S	66.47	W	160.72	173.92
1700	1,673.51	1,623.51	S	67.87	W	164.18	177.66
1710	1,682.79	1,632.79	S	69.26	W	167.65	181.39
1720	1,692.06	1,642.06	S	70.67	W	171.12	185.13
1730	1,701.33	1,651.33	S	72.07	W	174.59	188.88
* 1738	1,708.75	1,658.75	S	73.19	W	177.36	191.87 *
1740	1,710.60	1,660.60	S	73.45	W	178.07	192.62
1750	1,719.88	1,669.88	S	74.73	W	181.58	196.36
1760	1,729.15	1,679.15	S	76.01	W	185.10	200.10
1770	1,738.43	1,688.43	S	77.28	W	188.60	203.83
1780	1,747.71	1,697.71	S	78.56	W	192.11	207.55
1790	1,756.99	1,706.99	S	79.83	W	195.61	211.28
1800	1,766.27	1,716.27	S	81.10	W	199.11	214.99
1810	1,775.55	1,725.55	S	82.38	W	202.60	218.71
1820	1,784.84	1,734.84	S	83.65	W	206.09	222.42
1830	1,794.13	1,744.13	S	84.92	W	209.58	226.13
1840	1,803.41	1,753.41	S	86.18	W	213.06	229.83
* 1841	1,804.34	1,754.34	S	86.31	W	213.41	230.20 *
1850	1,812.70	1,762.70	S	87.51	W	216.52	233.54
1860	1,821.99	1,771.99	S	88.83	W	219.98	237.25
1870	1,831.27	1,781.27	S	90.16	W	223.45	240.95
1880	1,840.56	1,790.56	S	91.49	W	226.91	244.66
1890	1,849.85	1,799.85	S	92.82	W	230.38	248.38
1900	1,859.13	1,809.13	S	94.15	W	233.84	252.09
1910	1,868.42	1,818.42	S	95.49	W	237.31	255.80
1920	1,877.70	1,827.70	S	96.82	W	240.78	259.52
1930	1,886.98	1,836.98	S	98.15	W	244.25	263.24
1940	1,896.27	1,846.27	S	99.48	W	247.72	266.95
1950	1,905.55	1,855.55	S	100.82	W	251.20	270.67
1960	1,914.83	1,864.83	S	102.15	W	254.67	274.40
1970	1,924.11	1,874.11	S	103.48	W	258.15	278.12

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	1980	1,933.39	1,883.39	S	104.82	W 261.62	281.84
	1990	1,942.67	1,892.67	S	106.15	W 265.10	285.57
	2000	1,951.95	1,901.95	S	107.49	W 268.58	289.29
	2010	1,961.23	1,911.23	S	108.83	W 272.06	293.02
	2020	1,970.51	1,920.51	S	110.16	W 275.54	296.75
	2030	1,979.79	1,929.79	S	111.50	W 279.03	300.48
	2040	1,989.06	1,939.06	S	112.84	W 282.51	304.21
	2050	1,998.34	1,948.34	S	114.17	W 286.00	307.95
	2060	2,007.62	1,957.62	S	115.51	W 289.48	311.68
	2070	2,016.89	1,966.89	S	116.85	W 292.97	315.42
	2080	2,026.17	1,976.17	S	118.19	W 296.46	319.16
	2090	2,035.44	1,985.44	S	119.53	W 299.95	322.89
	2100	2,044.72	1,994.72	S	120.87	W 303.45	326.63
	2110	2,053.99	2,003.99	S	122.21	W 306.94	330.38
	2120	2,063.26	2,013.26	S	123.55	W 310.43	334.12
	2130	2,072.53	2,022.53	S	124.90	W 313.93	337.86
	2140	2,081.81	2,031.81	S	126.24	W 317.43	341.61
*	2142	2,083.66	2,033.66	S	126.51	W 318.13	342.36 *
	2150	2,091.08	2,041.08	S	127.28	W 321.02	345.33
	2160	2,100.35	2,050.35	S	128.25	W 324.64	349.06
	2170	2,109.62	2,059.62	S	129.22	W 328.26	352.78
	2180	2,118.89	2,068.89	S	130.19	W 331.88	356.50
	2190	2,128.17	2,078.17	S	131.16	W 335.49	360.22
	2200	2,137.44	2,087.44	S	132.13	W 339.11	363.95
	2210	2,146.71	2,096.71	S	133.10	W 342.73	367.67
	2220	2,155.98	2,105.98	S	134.07	W 346.35	371.39
	2230	2,165.25	2,115.25	S	135.04	W 349.97	375.12
	2240	2,174.53	2,124.53	S	136.01	W 353.59	378.84
	2250	2,183.80	2,133.80	S	136.98	W 357.20	382.57
	2260	2,193.07	2,143.07	S	137.95	W 360.82	386.29
	2270	2,202.34	2,152.34	S	138.92	W 364.44	390.02
	2280	2,211.61	2,161.61	S	139.89	W 368.06	393.75
	2290	2,220.88	2,170.88	S	140.86	W 371.68	397.47
	2300	2,230.16	2,180.16	S	141.83	W 375.30	401.20
	2310	2,239.43	2,189.43	S	142.80	W 378.91	404.93
	2320	2,248.70	2,198.70	S	143.76	W 382.53	408.66
	2330	2,257.97	2,207.97	S	144.73	W 386.15	412.39
	2340	2,267.24	2,217.24	S	145.70	W 389.77	416.11
	2350	2,276.52	2,226.52	S	146.67	W 393.39	419.84
	2360	2,285.79	2,235.79	S	147.64	W 397.01	423.57
	2370	2,295.06	2,245.06	S	148.61	W 400.63	427.30
	2380	2,304.33	2,254.33	S	149.58	W 404.24	431.03
	2390	2,313.60	2,263.60	S	150.55	W 407.86	434.76
*	2392	2,315.46	2,265.46	S	150.75	W 408.59	435.51 *
	2400	2,322.87	2,272.87	S	151.57	W 411.47	438.50

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
2410	2,332.14	2,282.14	S	152.61	W 415.08	442.24
2420	2,341.41	2,291.41	S	153.64	W 418.68	445.99
2430	2,350.68	2,300.68	S	154.68	W 422.30	449.73
2440	2,359.94	2,309.94	S	155.71	W 425.91	453.49
2450	2,369.21	2,319.21	S	156.75	W 429.53	457.24
2460	2,378.47	2,328.47	S	157.79	W 433.15	461.00
2470	2,387.73	2,337.73	S	158.83	W 436.78	464.76
2480	2,396.99	2,346.99	S	159.87	W 440.41	468.53
2490	2,406.25	2,356.25	S	160.91	W 444.04	472.30
2500	2,415.51	2,365.51	S	161.95	W 447.67	476.07
2510	2,424.77	2,374.77	S	163.00	W 451.31	479.84
2520	2,434.02	2,384.02	S	164.04	W 454.95	483.62
2530	2,443.28	2,393.28	S	165.09	W 458.59	487.41
2540	2,452.53	2,402.53	S	166.13	W 462.24	491.19
2550	2,461.78	2,411.78	S	167.18	W 465.89	494.98
2560	2,471.03	2,421.03	S	168.23	W 469.54	498.77
2570	2,480.28	2,430.28	S	169.27	W 473.20	502.57
2580	2,489.52	2,439.52	S	170.32	W 476.86	506.37
2590	2,498.77	2,448.77	S	171.37	W 480.52	510.17
2600	2,508.01	2,458.01	S	172.42	W 484.19	513.97
2610	2,517.26	2,467.26	S	173.48	W 487.86	517.78
2620	2,526.50	2,476.50	S	174.53	W 491.53	521.59
2630	2,535.74	2,485.74	S	175.58	W 495.20	525.41
2640	2,544.98	2,494.98	S	176.64	W 498.88	529.23
* 2643	2,547.75	2,497.75	S	176.95	W 499.98	530.37 *
2650	2,554.22	2,504.22	S	177.65	W 502.57	533.05
2660	2,563.45	2,513.45	S	178.64	W 506.28	536.87
2670	2,572.68	2,522.68	S	179.64	W 509.99	540.71
2680	2,581.91	2,531.91	S	180.63	W 513.71	544.55
2690	2,591.14	2,541.14	S	181.63	W 517.44	548.39
2700	2,600.36	2,550.36	S	182.63	W 521.17	552.24
2710	2,609.58	2,559.58	S	183.63	W 524.91	556.10
2720	2,618.80	2,568.80	S	184.64	W 528.65	559.97
2730	2,628.02	2,578.02	S	185.64	W 532.40	563.84
2740	2,637.23	2,587.23	S	186.65	W 536.16	567.72
2750	2,646.44	2,596.44	S	187.66	W 539.92	571.60
2760	2,655.65	2,605.65	S	188.66	W 543.69	575.50
2770	2,664.85	2,614.85	S	189.68	W 547.47	579.39
2780	2,674.05	2,624.05	S	190.69	W 551.25	583.30
2790	2,683.25	2,633.25	S	191.70	W 555.03	587.21
2800	2,692.45	2,642.45	S	192.72	W 558.83	591.13
2810	2,701.64	2,651.64	S	193.74	W 562.63	595.05
2820	2,710.83	2,660.83	S	194.76	W 566.43	598.98
2830	2,720.02	2,670.02	S	195.78	W 570.25	602.92
2840	2,729.21	2,679.21	S	196.80	W 574.06	606.86

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

	MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
	2850	2,738.39	2,688.39	S	197.83	W 577.89	610.81
	2860	2,747.57	2,697.57	S	198.85	W 581.72	614.77
	2870	2,756.75	2,706.75	S	199.88	W 585.56	618.73
	2880	2,765.92	2,715.92	S	200.91	W 589.40	622.70
	2890	2,775.09	2,725.09	S	201.94	W 593.25	626.68
*	2894	2,778.76	2,728.76	S	202.36	W 594.79	628.27 *
	2900	2,784.26	2,734.26	S	202.81	W 597.14	630.64
	2910	2,793.44	2,743.44	S	203.57	W 601.05	634.59
	2920	2,802.61	2,752.61	S	204.33	W 604.96	638.54
	2930	2,811.78	2,761.78	S	205.09	W 608.87	642.48
	2940	2,820.95	2,770.95	S	205.85	W 612.77	646.43
	2950	2,830.13	2,780.13	S	206.61	W 616.68	650.37
	2960	2,839.30	2,789.30	S	207.37	W 620.58	654.32
	2970	2,848.48	2,798.48	S	208.13	W 624.49	658.26
	2980	2,857.66	2,807.66	S	208.89	W 628.39	662.20
	2990	2,866.83	2,816.83	S	209.65	W 632.29	666.14
	3000	2,876.01	2,826.01	S	210.40	W 636.18	670.08
	3010	2,885.19	2,835.19	S	211.16	W 640.08	674.01
	3020	2,894.37	2,844.37	S	211.92	W 643.97	677.95
	3030	2,903.55	2,853.55	S	212.67	W 647.87	681.88
	3040	2,912.73	2,862.73	S	213.43	W 651.76	685.82
	3050	2,921.91	2,871.91	S	214.19	W 655.65	689.75
	3060	2,931.09	2,881.09	S	214.94	W 659.54	693.68
	3070	2,940.28	2,890.28	S	215.70	W 663.42	697.61
	3080	2,949.46	2,899.46	S	216.45	W 667.31	701.54
	3090	2,958.65	2,908.65	S	217.21	W 671.19	705.46
	3100	2,967.83	2,917.83	S	217.96	W 675.07	709.39
	3110	2,977.02	2,927.02	S	218.72	W 678.95	713.31
	3120	2,986.20	2,936.20	S	219.47	W 682.83	717.24
	3130	2,995.39	2,945.39	S	220.22	W 686.71	721.16
	3140	3,004.58	2,954.58	S	220.98	W 690.58	725.08
*	3143	3,007.33	2,957.33	S	221.20	W 691.75	726.25 *
	3150	3,013.77	2,963.77	S	221.73	W 694.46	729.00
	3160	3,022.95	2,972.95	S	222.48	W 698.33	732.91
	3170	3,032.14	2,982.14	S	223.24	W 702.20	736.83
	3180	3,041.33	2,991.33	S	223.99	W 706.07	740.75
	3190	3,050.53	3,000.53	S	224.74	W 709.94	744.66
	3200	3,059.72	3,009.72	S	225.49	W 713.80	748.57
	3210	3,068.91	3,018.91	S	226.24	W 717.67	752.48
	3220	3,078.10	3,028.10	S	226.99	W 721.53	756.39
	3230	3,087.30	3,037.30	S	227.74	W 725.39	760.30
	3240	3,096.49	3,046.49	S	228.49	W 729.25	764.21
	3250	3,105.69	3,055.69	S	229.24	W 733.11	768.12
	3260	3,114.88	3,064.88	S	229.99	W 736.97	772.02
	3270	3,124.08	3,074.08	S	230.74	W 740.82	775.92

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

	MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
	3280	3,133.28	3,083.28	S	231.49	W 744.67	779.83
	3290	3,142.47	3,092.47	S	232.24	W 748.53	783.73
	3300	3,151.67	3,101.67	S	232.99	W 752.38	787.63
	3310	3,160.87	3,110.87	S	233.74	W 756.23	791.53
	3320	3,170.07	3,120.07	S	234.48	W 760.07	795.42
	3330	3,179.27	3,129.27	S	235.23	W 763.92	799.32
	3340	3,188.47	3,138.47	S	235.98	W 767.76	803.21
	3350	3,197.68	3,147.68	S	236.73	W 771.61	807.10
	3360	3,206.88	3,156.88	S	237.47	W 775.45	810.99
	3370	3,216.08	3,166.08	S	238.22	W 779.29	814.88
	3380	3,225.29	3,175.29	S	238.97	W 783.12	818.77
	3390	3,234.49	3,184.49	S	239.71	W 786.96	822.66
*	3395	3,239.09	3,189.09	S	240.08	W 788.88	824.60 *
	3400	3,243.70	3,193.70	S	240.39	W 790.81	826.54
	3410	3,252.90	3,202.90	S	241.00	W 794.66	830.41
	3420	3,262.11	3,212.11	S	241.61	W 798.52	834.27
	3430	3,271.32	3,221.32	S	242.22	W 802.37	838.14
	3440	3,280.52	3,230.52	S	242.83	W 806.22	842.00
	3450	3,289.73	3,239.73	S	243.44	W 810.07	845.86
	3460	3,298.94	3,248.94	S	244.05	W 813.92	849.73
	3470	3,308.15	3,258.15	S	244.66	W 817.77	853.59
	3480	3,317.36	3,267.36	S	245.27	W 821.62	857.45
	3490	3,326.58	3,276.58	S	245.88	W 825.46	861.30
	3500	3,335.79	3,285.79	S	246.49	W 829.30	865.16
	3510	3,345.00	3,295.00	S	247.09	W 833.14	869.01
	3520	3,354.21	3,304.21	S	247.70	W 836.98	872.87
	3530	3,363.43	3,313.43	S	248.31	W 840.82	876.72
	3540	3,372.64	3,322.64	S	248.92	W 844.66	880.57
	3550	3,381.86	3,331.86	S	249.53	W 848.49	884.42
	3560	3,391.08	3,341.08	S	250.13	W 852.32	888.27
	3570	3,400.29	3,350.29	S	250.74	W 856.16	892.12
	3580	3,409.51	3,359.51	S	251.35	W 859.99	895.96
	3590	3,418.73	3,368.73	S	251.95	W 863.81	899.81
	3600	3,427.95	3,377.95	S	252.56	W 867.64	903.65
	3610	3,437.17	3,387.17	S	253.16	W 871.47	907.49
	3620	3,446.39	3,396.39	S	253.77	W 875.29	911.33
	3630	3,455.61	3,405.61	S	254.38	W 879.11	915.17
	3640	3,464.83	3,414.83	S	254.98	W 882.93	919.01
*	3644	3,468.52	3,418.52	S	255.22	W 884.46	920.55 *
	3650	3,474.05	3,424.05	S	255.42	W 886.77	922.82
	3660	3,483.28	3,433.28	S	255.76	W 890.61	926.61
	3670	3,492.51	3,442.51	S	256.10	W 894.45	930.39
	3680	3,501.73	3,451.73	S	256.43	W 898.29	934.17
	3690	3,510.97	3,460.97	S	256.77	W 902.12	937.95
	3700	3,520.20	3,470.20	S	257.10	W 905.94	941.72

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES				HORIZONTAL DISTANCE
3710	3,529.43	3,479.43	S	257.44	W	909.76	945.49
3720	3,538.67	3,488.67	S	257.77	W	913.58	949.25
3730	3,547.91	3,497.91	S	258.10	W	917.39	953.01
3740	3,557.15	3,507.15	S	258.44	W	921.20	956.76
3750	3,566.40	3,516.40	S	258.77	W	925.00	960.51
3760	3,575.64	3,525.64	S	259.10	W	928.79	964.26
3770	3,584.89	3,534.89	S	259.43	W	932.59	968.00
3780	3,594.14	3,544.14	S	259.76	W	936.37	971.74
3790	3,603.39	3,553.39	S	260.09	W	940.16	975.47
3800	3,612.64	3,562.64	S	260.43	W	943.93	979.20
3810	3,621.90	3,571.90	S	260.76	W	947.70	982.92
3820	3,631.16	3,581.16	S	261.09	W	951.47	986.64
3830	3,640.41	3,590.41	S	261.41	W	955.24	990.36
3840	3,649.68	3,599.68	S	261.74	W	958.99	994.07
3850	3,658.94	3,608.94	S	262.07	W	962.75	997.78
3860	3,668.20	3,618.20	S	262.40	W	966.49	1,001.48
3870	3,677.47	3,627.47	S	262.73	W	970.24	1,005.18
3880	3,686.74	3,636.74	S	263.05	W	973.98	1,008.88
3890	3,696.01	3,646.01	S	263.38	W	977.71	1,012.57
* 3894	3,699.72	3,649.72	S	263.51	W	979.20	1,014.04 *
3900	3,705.28	3,655.28	S	263.63	W	981.45	1,016.24
3910	3,714.56	3,664.56	S	263.82	W	985.18	1,019.90
3920	3,723.83	3,673.83	S	264.02	W	988.92	1,023.56
3930	3,733.11	3,683.11	S	264.22	W	992.65	1,027.21
3940	3,742.38	3,692.38	S	264.41	W	996.38	1,030.87
3950	3,751.66	3,701.66	S	264.61	W	1,000.11	1,034.52
3960	3,760.94	3,710.94	S	264.80	W	1,003.83	1,038.17
3970	3,770.22	3,720.22	S	265.00	W	1,007.56	1,041.82
3980	3,779.50	3,729.50	S	265.19	W	1,011.28	1,045.47
3990	3,788.78	3,738.78	S	265.39	W	1,014.99	1,049.12
4000	3,798.06	3,748.06	S	265.58	W	1,018.71	1,052.76
4010	3,807.34	3,757.34	S	265.78	W	1,022.42	1,056.40
4020	3,816.63	3,766.63	S	265.97	W	1,026.13	1,060.04
4030	3,825.91	3,775.91	S	266.16	W	1,029.84	1,063.68
4040	3,835.20	3,785.20	S	266.36	W	1,033.55	1,067.32
4050	3,844.49	3,794.49	S	266.55	W	1,037.25	1,070.95
4060	3,853.77	3,803.77	S	266.75	W	1,040.95	1,074.58
* 4061	3,854.70	3,804.70	S	266.77	W	1,041.32	1,074.95 *
4070	3,863.06	3,813.06	S	266.80	W	1,044.66	1,078.19
4080	3,872.35	3,822.35	S	266.83	W	1,048.37	1,081.79
4090	3,881.63	3,831.63	S	266.86	W	1,052.08	1,085.40
4100	3,890.92	3,840.92	S	266.89	W	1,055.79	1,089.01
4110	3,900.20	3,850.20	S	266.93	W	1,059.51	1,092.62
4120	3,909.48	3,859.48	S	266.96	W	1,063.23	1,096.24
4130	3,918.76	3,868.76	S	266.99	W	1,066.96	1,099.86

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

	MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE	
	4140	3,928.04	3,878.04	S	267.02	W 1,070.68	1,103.48	
	4150	3,937.32	3,887.32	S	267.06	W 1,074.41	1,107.10	
	4160	3,946.60	3,896.60	S	267.09	W 1,078.14	1,110.73	
	4170	3,955.88	3,905.88	S	267.12	W 1,081.88	1,114.37	
	4180	3,965.15	3,915.15	S	267.15	W 1,085.61	1,118.00	
	4190	3,974.43	3,924.43	S	267.19	W 1,089.35	1,121.64	
	4200	3,983.70	3,933.70	S	267.22	W 1,093.09	1,125.28	
	4210	3,992.97	3,942.97	S	267.25	W 1,096.84	1,128.93	
*	4218	4,000.39	3,950.39	S	267.28	W 1,099.83	1,131.84	*
	4220	4,002.25	3,952.25	S	267.24	W 1,100.58	1,132.56	
	4230	4,011.52	3,961.52	S	267.08	W 1,104.33	1,136.17	
	4240	4,020.78	3,970.78	S	266.92	W 1,108.08	1,139.78	
	4250	4,030.05	3,980.05	S	266.75	W 1,111.84	1,143.39	
	4260	4,039.31	3,989.31	S	266.59	W 1,115.60	1,147.01	
	4270	4,048.58	3,998.58	S	266.42	W 1,119.36	1,150.63	
	4280	4,057.84	4,007.84	S	266.26	W 1,123.13	1,154.26	
	4290	4,067.10	4,017.10	S	266.10	W 1,126.91	1,157.90	
	4300	4,076.35	4,026.35	S	265.93	W 1,130.68	1,161.54	
	4310	4,085.61	4,035.61	S	265.77	W 1,134.47	1,165.18	
*	4311	4,086.54	4,036.54	S	265.75	W 1,134.84	1,165.55	*
	4320	4,094.86	4,044.86	S	265.33	W 1,138.23	1,168.75	
	4330	4,104.11	4,054.11	S	264.87	W 1,142.01	1,172.32	
	4340	4,113.36	4,063.36	S	264.40	W 1,145.79	1,175.91	
	4350	4,122.60	4,072.60	S	263.94	W 1,149.59	1,179.50	
	4360	4,131.83	4,081.83	S	263.47	W 1,153.39	1,183.10	
	4370	4,141.07	4,091.07	S	263.00	W 1,157.20	1,186.71	
	4380	4,150.30	4,100.30	S	262.54	W 1,161.01	1,190.33	
	4390	4,159.53	4,109.53	S	262.07	W 1,164.84	1,193.96	
	4400	4,168.75	4,118.75	S	261.59	W 1,168.68	1,197.60	
*	4403	4,171.52	4,121.52	S	261.45	W 1,169.83	1,198.69	*
	4410	4,177.97	4,127.97	S	261.12	W 1,172.52	1,201.24	
	4420	4,187.19	4,137.19	S	260.65	W 1,176.37	1,204.90	
	4430	4,196.40	4,146.40	S	260.18	W 1,180.22	1,208.56	
	4440	4,205.62	4,155.62	S	259.70	W 1,184.08	1,212.22	
	4450	4,214.83	4,164.83	S	259.23	W 1,187.94	1,215.90	
	4460	4,224.04	4,174.04	S	258.75	W 1,191.81	1,219.58	
	4470	4,233.24	4,183.24	S	258.28	W 1,195.69	1,223.26	
*	4475	4,237.85	4,187.85	S	258.04	W 1,197.63	1,225.11	*
	4480	4,242.45	4,192.45	S	258.24	W 1,199.56	1,227.04	
	4490	4,251.68	4,201.68	S	258.65	W 1,203.38	1,230.87	
	4500	4,260.93	4,210.93	S	259.04	W 1,207.17	1,234.65	
	4510	4,270.20	4,220.20	S	259.44	W 1,210.91	1,238.39	
	4520	4,279.48	4,229.48	S	259.82	W 1,214.61	1,242.09	
	4530	4,288.78	4,238.78	S	260.21	W 1,218.27	1,245.75	
	4540	4,298.09	4,248.09	S	260.59	W 1,221.88	1,249.36	

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
4550	4,307.42	4,257.42	S	260.97	W 1,225.46	1,252.94
4560	4,316.77	4,266.77	S	261.34	W 1,229.00	1,256.47
4570	4,326.13	4,276.13	S	261.70	W 1,232.49	1,259.97
4580	4,335.51	4,285.51	S	262.07	W 1,235.94	1,263.42
4590	4,344.91	4,294.91	S	262.43	W 1,239.35	1,266.83
4600	4,354.32	4,304.32	S	262.78	W 1,242.71	1,270.19
4610	4,363.74	4,313.74	S	263.13	W 1,246.04	1,273.52
4620	4,373.18	4,323.18	S	263.47	W 1,249.32	1,276.80
* 4621	4,374.12	4,324.12	S	263.51	W 1,249.65	1,277.13 *
4630	4,382.62	4,332.62	S	263.66	W 1,252.61	1,280.06
4640	4,392.06	4,342.06	S	263.84	W 1,255.90	1,283.31
4650	4,401.51	4,351.51	S	264.01	W 1,259.18	1,286.56
4660	4,410.95	4,360.95	S	264.18	W 1,262.46	1,289.80
4670	4,420.40	4,370.40	S	264.35	W 1,265.73	1,293.05
4680	4,429.85	4,379.85	S	264.52	W 1,269.01	1,296.28
4690	4,439.30	4,389.30	S	264.69	W 1,272.28	1,299.52
4700	4,448.75	4,398.75	S	264.86	W 1,275.54	1,302.75
4710	4,458.20	4,408.20	S	265.04	W 1,278.80	1,305.98
4720	4,467.65	4,417.65	S	265.21	W 1,282.06	1,309.21
4730	4,477.11	4,427.11	S	265.38	W 1,285.32	1,312.43
4740	4,486.56	4,436.56	S	265.55	W 1,288.57	1,315.65
* 4742	4,488.45	4,438.45	S	265.58	W 1,289.22	1,316.29 *
4750	4,496.01	4,446.01	S	265.63	W 1,291.83	1,318.86
4760	4,505.46	4,455.46	S	265.68	W 1,295.10	1,322.07
4770	4,514.91	4,464.91	S	265.74	W 1,298.39	1,325.30
4780	4,524.35	4,474.35	S	265.80	W 1,301.68	1,328.54
4790	4,533.79	4,483.79	S	265.86	W 1,304.98	1,331.79
4800	4,543.23	4,493.23	S	265.91	W 1,308.29	1,335.04
4810	4,552.66	4,502.66	S	265.97	W 1,311.61	1,338.31
4820	4,562.09	4,512.09	S	266.03	W 1,314.94	1,341.59
4830	4,571.51	4,521.51	S	266.09	W 1,318.28	1,344.87
4840	4,580.93	4,530.93	S	266.15	W 1,321.63	1,348.17
4850	4,590.35	4,540.35	S	266.21	W 1,324.99	1,351.47
4860	4,599.77	4,549.77	S	266.26	W 1,328.36	1,354.79
* 4869	4,608.24	4,558.24	S	266.32	W 1,331.41	1,357.78 *
4870	4,609.18	4,559.18	S	266.31	W 1,331.74	1,358.11
4880	4,618.59	4,568.59	S	266.19	W 1,335.12	1,361.40
4890	4,628.00	4,578.00	S	266.07	W 1,338.51	1,364.70
4900	4,637.41	4,587.41	S	265.95	W 1,341.90	1,368.00
4910	4,646.81	4,596.81	S	265.83	W 1,345.29	1,371.30
4920	4,656.22	4,606.22	S	265.71	W 1,348.68	1,374.61
4930	4,665.62	4,615.62	S	265.60	W 1,352.08	1,377.92
4940	4,675.03	4,625.03	S	265.48	W 1,355.48	1,381.23
4950	4,684.43	4,634.43	S	265.36	W 1,358.88	1,384.55
4960	4,693.83	4,643.83	S	265.24	W 1,362.29	1,387.87

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

	MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES		HORIZONTAL DISTANCE	
	4970	4,703.23	4,653.23	S	265.12	W 1,365.70	1,391.20
	4980	4,712.63	4,662.63	S	265.00	W 1,369.12	1,394.53
	4990	4,722.02	4,672.02	S	264.88	W 1,372.53	1,397.86
*	4992	4,723.90	4,673.90	S	264.86	W 1,373.22	1,398.53 *
	5000	4,731.42	4,681.42	S	264.52	W 1,375.94	1,401.14
	5010	4,740.81	4,690.81	S	264.10	W 1,379.35	1,404.41
	5020	4,750.20	4,700.20	S	263.68	W 1,382.78	1,407.69
	5030	4,759.58	4,709.58	S	263.26	W 1,386.21	1,410.99
	5040	4,768.96	4,718.96	S	262.84	W 1,389.66	1,414.30
	5050	4,778.33	4,728.33	S	262.41	W 1,393.11	1,417.61
	5060	4,787.70	4,737.70	S	261.99	W 1,396.58	1,420.94
	5070	4,797.07	4,747.07	S	261.56	W 1,400.06	1,424.28
	5080	4,806.43	4,756.43	S	261.13	W 1,403.55	1,427.63
	5090	4,815.79	4,765.79	S	260.70	W 1,407.05	1,431.00
	5100	4,825.14	4,775.14	S	260.27	W 1,410.56	1,434.37
	5110	4,834.49	4,784.49	S	259.84	W 1,414.08	1,437.75
	5120	4,843.84	4,793.84	S	259.41	W 1,417.61	1,441.15
	5130	4,853.18	4,803.18	S	258.97	W 1,421.15	1,444.55
	5140	4,862.52	4,812.52	S	258.54	W 1,424.70	1,447.97
*	5145	4,867.18	4,817.18	S	258.32	W 1,426.48	1,449.68 *
	5150	4,871.86	4,821.86	S	258.26	W 1,428.25	1,451.41
	5160	4,881.23	4,831.23	S	258.14	W 1,431.72	1,454.81
	5170	4,890.64	4,840.64	S	258.02	W 1,435.13	1,458.14
	5180	4,900.07	4,850.07	S	257.90	W 1,438.46	1,461.40
*	5185	4,904.79	4,854.79	S	257.84	W 1,440.11	1,463.01 *
	5190	4,909.51	4,859.51	S	257.99	W 1,441.75	1,464.65
	5200	4,918.95	4,868.95	S	258.27	W 1,445.02	1,467.92
	5210	4,928.40	4,878.40	S	258.56	W 1,448.29	1,471.19
	5220	4,937.85	4,887.85	S	258.84	W 1,451.55	1,474.45
	5230	4,947.30	4,897.30	S	259.13	W 1,454.81	1,477.70
	5240	4,956.75	4,906.75	S	259.41	W 1,458.05	1,480.95
*	5248	4,964.32	4,914.32	S	259.64	W 1,460.65	1,483.55 *
	5250	4,966.21	4,916.21	S	259.79	W 1,461.28	1,484.20
	5260	4,975.65	4,925.65	S	260.53	W 1,464.50	1,487.49
	5270	4,985.08	4,935.08	S	261.28	W 1,467.74	1,490.82
	5280	4,994.49	4,944.49	S	262.03	W 1,471.02	1,494.18
	5290	5,003.90	4,953.90	S	262.80	W 1,474.33	1,497.57
	5300	5,013.29	4,963.29	S	263.57	W 1,477.68	1,501.00
	5310	5,022.67	4,972.67	S	264.35	W 1,481.05	1,504.46
	5320	5,032.04	4,982.04	S	265.14	W 1,484.46	1,507.96
	5330	5,041.39	4,991.39	S	265.93	W 1,487.91	1,511.49
	5340	5,050.73	5,000.73	S	266.74	W 1,491.38	1,515.05
	5350	5,060.06	5,010.06	S	267.55	W 1,494.89	1,518.65
	5360	5,069.38	5,019.38	S	268.36	W 1,498.44	1,522.28
	5370	5,078.68	5,028.68	S	269.19	W 1,502.01	1,525.94

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

	MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL	CO - ORDINATES	HORIZONTAL DISTANCE	
	5380	5,087.97	5,037.97	S	270.02 W 1,505.62	1,529.64	
	5390	5,097.25	5,047.25	S	270.86 W 1,509.26	1,533.37	
*	5393	5,100.03	5,050.03	S	271.12 W 1,510.35	1,534.50	*
	5400	5,106.52	5,056.52	S	271.59 W 1,512.93	1,537.12	
	5410	5,115.79	5,065.79	S	272.28 W 1,516.62	1,540.86	
	5420	5,125.06	5,075.06	S	272.96 W 1,520.30	1,544.61	
	5430	5,134.33	5,084.33	S	273.64 W 1,523.98	1,548.36	
	5440	5,143.61	5,093.61	S	274.32 W 1,527.67	1,552.10	
	5450	5,152.88	5,102.88	S	275.01 W 1,531.35	1,555.85	
	5460	5,162.15	5,112.15	S	275.69 W 1,535.03	1,559.59	
	5470	5,171.42	5,121.42	S	276.37 W 1,538.72	1,563.34	
	5480	5,180.69	5,130.69	S	277.05 W 1,542.40	1,567.09	
	5490	5,189.96	5,139.96	S	277.74 W 1,546.08	1,570.83	
	5500	5,199.24	5,149.24	S	278.42 W 1,549.77	1,574.58	
	5510	5,208.51	5,158.51	S	279.10 W 1,553.45	1,578.32	
	5520	5,217.78	5,167.78	S	279.79 W 1,557.13	1,582.07	
	5530	5,227.05	5,177.05	S	280.47 W 1,560.82	1,585.82	
	5540	5,236.32	5,186.32	S	281.15 W 1,564.50	1,589.56	
*	5546	5,241.89	5,191.89	S	281.56 W 1,566.71	1,591.81	*
	5550	5,245.60	5,195.60	S	281.77 W 1,568.19	1,593.31	
	5560	5,254.87	5,204.87	S	282.29 W 1,571.90	1,597.05	
	5570	5,264.14	5,214.14	S	282.81 W 1,575.61	1,600.79	
	5580	5,273.41	5,223.41	S	283.33 W 1,579.32	1,604.54	
	5590	5,282.68	5,232.68	S	283.85 W 1,583.03	1,608.28	
	5600	5,291.95	5,241.95	S	284.38 W 1,586.74	1,612.02	
	5610	5,301.23	5,251.23	S	284.90 W 1,590.45	1,615.77	
	5620	5,310.50	5,260.50	S	285.42 W 1,594.16	1,619.51	
	5630	5,319.77	5,269.77	S	285.94 W 1,597.87	1,623.25	
	5640	5,329.04	5,279.04	S	286.46 W 1,601.58	1,627.00	
	5650	5,338.31	5,288.31	S	286.98 W 1,605.29	1,630.74	
	5660	5,347.59	5,297.59	S	287.50 W 1,609.00	1,634.48	
	5670	5,356.86	5,306.86	S	288.02 W 1,612.71	1,638.23	
	5680	5,366.13	5,316.13	S	288.55 W 1,616.42	1,641.97	
	5690	5,375.40	5,325.40	S	289.07 W 1,620.13	1,645.71	
	5700	5,384.67	5,334.67	S	289.59 W 1,623.84	1,649.46	
*	5704	5,388.38	5,338.38	S	289.80 W 1,625.32	1,650.96	*
	5710	5,393.94	5,343.94	S	289.92 W 1,627.57	1,653.19	
	5720	5,403.22	5,353.22	S	290.11 W 1,631.31	1,656.90	
	5730	5,412.49	5,362.49	S	290.31 W 1,635.05	1,660.62	
	5740	5,421.76	5,371.76	S	290.50 W 1,638.79	1,664.34	
	5750	5,431.03	5,381.03	S	290.70 W 1,642.53	1,668.06	
	5760	5,440.30	5,390.30	S	290.90 W 1,646.27	1,671.77	
	5770	5,449.58	5,399.58	S	291.09 W 1,650.01	1,675.49	
	5780	5,458.85	5,408.85	S	291.29 W 1,653.75	1,679.21	
	5790	5,468.12	5,418.12	S	291.48 W 1,657.49	1,682.93	

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL	CO -	ORDINATES	HORIZONTAL DISTANCE
5800	5,477.39	5,427.39	S	291.68	W 1,661.23	1,686.65
5810	5,486.66	5,436.66	S	291.88	W 1,664.97	1,690.37
5820	5,495.94	5,445.94	S	292.07	W 1,668.72	1,694.08
5830	5,505.21	5,455.21	S	292.27	W 1,672.46	1,697.80
5840	5,514.48	5,464.48	S	292.46	W 1,676.20	1,701.52
5850	5,523.75	5,473.75	S	292.66	W 1,679.94	1,705.24
5860	5,533.02	5,483.02	S	292.86	W 1,683.68	1,708.96
5870	5,542.29	5,492.29	S	293.05	W 1,687.42	1,712.68
5880	5,551.57	5,501.57	S	293.25	W 1,691.16	1,716.40
5890	5,560.84	5,510.84	S	293.44	W 1,694.90	1,720.12
5900	5,570.11	5,520.11	S	293.64	W 1,698.64	1,723.84
5910	5,579.38	5,529.38	S	293.84	W 1,702.38	1,727.56
5920	5,588.65	5,538.65	S	294.03	W 1,706.13	1,731.28
5930	5,597.93	5,547.93	S	294.23	W 1,709.87	1,735.00
5940	5,607.20	5,557.20	S	294.42	W 1,713.61	1,738.72
* 5950	5,616.47	5,566.47	S	294.62	W 1,717.35	1,742.44 *
5960	5,625.74	5,575.74	S	294.49	W 1,721.10	1,746.11
5970	5,635.00	5,585.00	S	294.36	W 1,724.86	1,749.80
5980	5,644.26	5,594.26	S	294.23	W 1,728.64	1,753.50
5990	5,653.52	5,603.52	S	294.09	W 1,732.42	1,757.21
6000	5,662.77	5,612.77	S	293.96	W 1,736.21	1,760.92
6010	5,672.02	5,622.02	S	293.83	W 1,740.01	1,764.65
6020	5,681.26	5,631.26	S	293.70	W 1,743.83	1,768.39
6030	5,690.50	5,640.50	S	293.56	W 1,747.65	1,772.13
6040	5,699.74	5,649.74	S	293.43	W 1,751.48	1,775.89
6050	5,708.97	5,658.97	S	293.29	W 1,755.32	1,779.65
6060	5,718.20	5,668.20	S	293.16	W 1,759.17	1,783.43
6070	5,727.42	5,677.42	S	293.03	W 1,763.03	1,787.21
6080	5,736.64	5,686.64	S	292.89	W 1,766.90	1,791.01
6090	5,745.86	5,695.86	S	292.75	W 1,770.78	1,794.82
6100	5,755.07	5,705.07	S	292.62	W 1,774.67	1,798.63
6110	5,764.28	5,714.28	S	292.48	W 1,778.56	1,802.45
6120	5,773.48	5,723.48	S	292.35	W 1,782.47	1,806.29
6130	5,782.68	5,732.68	S	292.21	W 1,786.39	1,810.13
6140	5,791.88	5,741.88	S	292.07	W 1,790.32	1,813.99
6150	5,801.07	5,751.07	S	291.93	W 1,794.26	1,817.85
6160	5,810.25	5,760.25	S	291.80	W 1,798.20	1,821.72
6170	5,819.44	5,769.44	S	291.66	W 1,802.16	1,825.61
6180	5,828.62	5,778.62	S	291.52	W 1,806.12	1,829.50
6190	5,837.79	5,787.79	S	291.38	W 1,810.10	1,833.40
* 6200	5,846.96	5,796.96	S	291.24	W 1,814.08	1,837.32 *
6210	5,856.13	5,806.13	S	290.76	W 1,818.04	1,841.14
6220	5,865.31	5,815.31	S	290.27	W 1,821.99	1,844.97
6230	5,874.48	5,824.48	S	289.79	W 1,825.94	1,848.79
6240	5,883.66	5,833.66	S	289.30	W 1,829.89	1,852.62

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL	CO - ORDINATES	HORIZONTAL DISTANCE
6250	5,892.83	5,842.83	S 288.82	W 1,833.83	1,856.44
6260	5,902.01	5,852.01	S 288.33	W 1,837.77	1,860.25
6270	5,911.19	5,861.19	S 287.85	W 1,841.71	1,864.07
6280	5,920.37	5,870.37	S 287.37	W 1,845.64	1,867.88
6290	5,929.55	5,879.55	S 286.88	W 1,849.57	1,871.69
6300	5,938.74	5,888.74	S 286.40	W 1,853.50	1,875.50
6310	5,947.92	5,897.92	S 285.92	W 1,857.43	1,879.31
6320	5,957.11	5,907.11	S 285.44	W 1,861.35	1,883.11
6330	5,966.29	5,916.29	S 284.96	W 1,865.27	1,886.91
6340	5,975.48	5,925.48	S 284.48	W 1,869.19	1,890.71
6350	5,984.67	5,934.67	S 284.00	W 1,873.10	1,894.51
6360	5,993.86	5,943.86	S 283.52	W 1,877.02	1,898.31
6370	6,003.06	5,953.06	S 283.04	W 1,880.92	1,902.10
6380	6,012.25	5,962.25	S 282.56	W 1,884.83	1,905.89
6390	6,021.44	5,971.44	S 282.08	W 1,888.73	1,909.68
6400	6,030.64	5,980.64	S 281.60	W 1,892.63	1,913.47
6410	6,039.84	5,989.84	S 281.12	W 1,896.53	1,917.25
6420	6,049.03	5,999.03	S 280.64	W 1,900.42	1,921.03
6430	6,058.23	6,008.23	S 280.16	W 1,904.32	1,924.81
6440	6,067.43	6,017.43	S 279.69	W 1,908.20	1,928.59
6450	6,076.64	6,026.64	S 279.21	W 1,912.09	1,932.37
6460	6,085.84	6,035.84	S 278.73	W 1,915.97	1,936.14
6470	6,095.04	6,045.04	S 278.26	W 1,919.85	1,939.91
* 6475	6,099.65	6,049.65	S 278.02	W 1,921.79	1,941.80 *
6480	6,104.25	6,054.25	S 277.58	W 1,923.69	1,943.62
6490	6,113.45	6,063.45	S 276.70	W 1,927.50	1,947.26
6500	6,122.66	6,072.66	S 275.82	W 1,931.31	1,950.90
6510	6,131.86	6,081.86	S 274.94	W 1,935.12	1,954.55
6520	6,141.07	6,091.07	S 274.06	W 1,938.92	1,958.20
6530	6,150.27	6,100.27	S 273.18	W 1,942.73	1,961.84
6540	6,159.48	6,109.48	S 272.30	W 1,946.54	1,965.49
6550	6,168.68	6,118.68	S 271.43	W 1,950.34	1,969.14
6560	6,177.89	6,127.89	S 270.55	W 1,954.15	1,972.79
6570	6,187.09	6,137.09	S 269.67	W 1,957.96	1,976.44
6580	6,196.30	6,146.30	S 268.79	W 1,961.77	1,980.09
6590	6,205.50	6,155.50	S 267.91	W 1,965.57	1,983.75
6600	6,214.71	6,164.71	S 267.03	W 1,969.38	1,987.40
6610	6,223.91	6,173.91	S 266.15	W 1,973.19	1,991.06
6620	6,233.12	6,183.12	S 265.27	W 1,976.99	1,994.71
6630	6,242.32	6,192.32	S 264.39	W 1,980.80	1,998.37
6640	6,251.53	6,201.53	S 263.51	W 1,984.61	2,002.03
6650	6,260.73	6,210.73	S 262.64	W 1,988.42	2,005.69
6660	6,269.94	6,219.94	S 261.76	W 1,992.22	2,009.35
6670	6,279.14	6,229.14	S 260.88	W 1,996.03	2,013.01
6680	6,288.35	6,238.35	S 260.00	W 1,999.84	2,016.67

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL	CO - ORDINATES	HORIZONTAL DISTANCE
6690	6,297.55	6,247.55	S 259.12	W 2,003.64	2,020.33
6700	6,306.76	6,256.76	S 258.24	W 2,007.45	2,023.99
6710	6,315.96	6,265.96	S 257.36	W 2,011.26	2,027.66
6720	6,325.17	6,275.17	S 256.48	W 2,015.07	2,031.32
* 6722	6,327.01	6,277.01	S 256.31	W 2,015.83	2,032.06 *
6730	6,334.37	6,284.37	S 255.34	W 2,018.80	2,034.89
6740	6,343.58	6,293.58	S 254.13	W 2,022.53	2,038.43
6750	6,352.78	6,302.78	S 252.92	W 2,026.25	2,041.98
6760	6,361.97	6,311.97	S 251.71	W 2,029.98	2,045.53
6770	6,371.17	6,321.17	S 250.49	W 2,033.72	2,049.09
6780	6,380.37	6,330.37	S 249.28	W 2,037.45	2,052.65
6790	6,389.56	6,339.56	S 248.06	W 2,041.20	2,056.21
6800	6,398.75	6,348.75	S 246.85	W 2,044.94	2,059.79
6810	6,407.94	6,357.94	S 245.63	W 2,048.69	2,063.36
6820	6,417.13	6,367.13	S 244.41	W 2,052.44	2,066.94
6830	6,426.32	6,376.32	S 243.19	W 2,056.20	2,070.53
6840	6,435.50	6,385.50	S 241.97	W 2,059.96	2,074.12
6850	6,444.69	6,394.69	S 240.75	W 2,063.72	2,077.72
6860	6,453.87	6,403.87	S 239.52	W 2,067.49	2,081.32
6870	6,463.05	6,413.05	S 238.30	W 2,071.26	2,084.93
6880	6,472.23	6,422.23	S 237.07	W 2,075.04	2,088.54
6890	6,481.40	6,431.40	S 235.84	W 2,078.82	2,092.15
6900	6,490.58	6,440.58	S 234.61	W 2,082.60	2,095.77
6910	6,499.75	6,449.75	S 233.38	W 2,086.39	2,099.40
6920	6,508.92	6,458.92	S 232.15	W 2,090.18	2,103.03
6930	6,518.09	6,468.09	S 230.92	W 2,093.97	2,106.66
6940	6,527.26	6,477.26	S 229.68	W 2,097.77	2,110.30
6950	6,536.43	6,486.43	S 228.45	W 2,101.57	2,113.95
6960	6,545.59	6,495.59	S 227.21	W 2,105.37	2,117.60
6970	6,554.76	6,504.76	S 225.97	W 2,109.18	2,121.25
6980	6,563.92	6,513.92	S 224.74	W 2,112.99	2,124.91
6990	6,573.08	6,523.08	S 223.50	W 2,116.81	2,128.58
7000	6,582.24	6,532.24	S 222.25	W 2,120.63	2,132.25
7010	6,591.39	6,541.39	S 221.01	W 2,124.45	2,135.92
7020	6,600.55	6,550.55	S 219.77	W 2,128.28	2,139.60
7030	6,609.70	6,559.70	S 218.52	W 2,132.11	2,143.28
7040	6,618.85	6,568.85	S 217.28	W 2,135.95	2,146.97
7050	6,628.00	6,578.00	S 216.03	W 2,139.79	2,150.66
7060	6,637.15	6,587.15	S 214.78	W 2,143.63	2,154.36
7070	6,646.29	6,596.29	S 213.53	W 2,147.47	2,158.06
7080	6,655.44	6,605.44	S 212.28	W 2,151.32	2,161.77
7090	6,664.58	6,614.58	S 211.03	W 2,155.18	2,165.48
7100	6,673.72	6,623.72	S 209.78	W 2,159.03	2,169.20
7110	6,682.86	6,632.86	S 208.52	W 2,162.90	2,172.92
7120	6,692.00	6,642.00	S 207.27	W 2,166.76	2,176.65

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

	MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL	CO - ORDINATES	HORIZONTAL DISTANCE	
*	7130	6,701.13	6,651.13	S 206.01	W 2,170.63	2,180.38	*
	7140	6,710.27	6,660.27	S 204.75	W 2,174.49	2,184.11	
	7150	6,719.41	6,669.41	S 203.50	W 2,178.34	2,187.83	
	7160	6,728.56	6,678.56	S 202.25	W 2,182.19	2,191.54	
	7170	6,737.71	6,687.71	S 201.00	W 2,186.03	2,195.25	
	7180	6,746.86	6,696.86	S 199.76	W 2,189.87	2,198.96	
	7190	6,756.01	6,706.01	S 198.52	W 2,193.69	2,202.66	
	7200	6,765.17	6,715.17	S 197.27	W 2,197.51	2,206.35	
	7210	6,774.33	6,724.33	S 196.04	W 2,201.32	2,210.04	
	7220	6,783.50	6,733.50	S 194.80	W 2,205.13	2,213.72	
	7230	6,792.66	6,742.66	S 193.57	W 2,208.93	2,217.39	
	7240	6,801.84	6,751.84	S 192.33	W 2,212.72	2,221.06	
	7250	6,811.01	6,761.01	S 191.10	W 2,216.50	2,224.73	
	7260	6,820.19	6,770.19	S 189.88	W 2,220.28	2,228.39	
	7270	6,829.37	6,779.37	S 188.65	W 2,224.05	2,232.04	
	7280	6,838.55	6,788.55	S 187.43	W 2,227.82	2,235.69	
	7290	6,847.74	6,797.74	S 186.21	W 2,231.57	2,239.33	
	7300	6,856.93	6,806.93	S 184.99	W 2,235.32	2,242.96	
	7310	6,866.12	6,816.12	S 183.77	W 2,239.07	2,246.59	
	7320	6,875.32	6,825.32	S 182.56	W 2,242.80	2,250.22	
	7330	6,884.52	6,834.52	S 181.35	W 2,246.53	2,253.84	
	7340	6,893.72	6,843.72	S 180.14	W 2,250.25	2,257.45	
	7350	6,902.92	6,852.92	S 178.93	W 2,253.97	2,261.06	
	7360	6,912.13	6,862.13	S 177.73	W 2,257.67	2,264.66	
	7370	6,921.35	6,871.35	S 176.52	W 2,261.37	2,268.25	
	7380	6,930.56	6,880.56	S 175.32	W 2,265.07	2,271.84	
	7390	6,939.78	6,889.78	S 174.13	W 2,268.75	2,275.43	
	7400	6,949.00	6,899.00	S 172.93	W 2,272.43	2,279.01	
	7410	6,958.22	6,908.22	S 171.74	W 2,276.11	2,282.58	
	7420	6,967.45	6,917.45	S 170.55	W 2,279.77	2,286.14	
	7430	6,976.68	6,926.68	S 169.36	W 2,283.43	2,289.70	
	7440	6,985.92	6,935.92	S 168.17	W 2,287.08	2,293.26	
	7450	6,995.15	6,945.15	S 166.99	W 2,290.73	2,296.81	
	7460	7,004.39	6,954.39	S 165.81	W 2,294.36	2,300.35	
	7470	7,013.63	6,963.63	S 164.63	W 2,297.99	2,303.88	
	7480	7,022.88	6,972.88	S 163.45	W 2,301.62	2,307.41	
	7490	7,032.13	6,982.13	S 162.27	W 2,305.23	2,310.94	
	7500	7,041.38	6,991.38	S 161.10	W 2,308.84	2,314.46	
	7510	7,050.64	7,000.64	S 159.93	W 2,312.45	2,317.97	
	7520	7,059.89	7,009.89	S 158.76	W 2,316.04	2,321.48	
	7530	7,069.16	7,019.16	S 157.60	W 2,319.63	2,324.98	
	7540	7,078.42	7,028.42	S 156.43	W 2,323.21	2,328.47	
	7550	7,087.69	7,037.69	S 155.27	W 2,326.78	2,331.96	
	7560	7,096.96	7,046.96	S 154.11	W 2,330.35	2,335.44	
	7570	7,106.23	7,056.23	S 152.96	W 2,333.91	2,338.92	

DIRECTIONAL SURVEY FOR WELL L016-22

COMPUTATIONS AT 10 FEET INCREMENTS

WELL NO. Z2A-21-790-D-L016 (L016-22) ELEVATION: 50 FEET NUMBER OF DATA POINTS: 48

CONDUCTOR IS VERTICAL

CONDUCTOR DATA: 370' MD.

MEASURED DEPTH	VERTICAL DEPTH	TRUE SUB-SEA	TOTAL CO - ORDINATES			HORIZONTAL DISTANCE
7580	7,115.51	7,065.51	S	151.80	W 2,337.46	2,342.39
7590	7,124.78	7,074.78	S	150.65	W 2,341.01	2,345.85
7600	7,134.07	7,084.07	S	149.50	W 2,344.55	2,349.31
7610	7,143.35	7,093.35	S	148.35	W 2,348.08	2,352.76
7620	7,152.64	7,102.64	S	147.21	W 2,351.60	2,356.21
7630	7,161.93	7,111.93	S	146.06	W 2,355.12	2,359.65
7640	7,171.22	7,121.22	S	144.92	W 2,358.63	2,363.08
7650	7,180.52	7,130.52	S	143.78	W 2,362.14	2,366.51
7660	7,189.82	7,139.82	S	142.65	W 2,365.63	2,369.93
7670	7,199.12	7,149.12	S	141.52	W 2,369.12	2,373.34
7680	7,208.43	7,158.43	S	140.38	W 2,372.60	2,376.75
7690	7,217.74	7,167.74	S	139.25	W 2,376.08	2,380.16
7700	7,227.05	7,177.05	S	138.13	W 2,379.55	2,383.55
7710	7,236.36	7,186.36	S	137.00	W 2,383.01	2,386.94
7720	7,245.68	7,195.68	S	135.88	W 2,386.46	2,390.33
7730	7,255.00	7,205.00	S	134.76	W 2,389.91	2,393.70
7740	7,264.32	7,214.32	S	133.64	W 2,393.35	2,397.08
7750	7,273.65	7,223.65	S	132.53	W 2,396.78	2,400.44
7760	7,282.98	7,232.98	S	131.42	W 2,400.20	2,403.80
7770	7,292.31	7,242.31	S	130.30	W 2,403.62	2,407.15
7780	7,301.65	7,251.65	S	129.20	W 2,407.03	2,410.50
7790	7,310.98	7,260.98	S	128.09	W 2,410.44	2,413.84
7800	7,320.32	7,270.32	S	126.99	W 2,413.83	2,417.17
7810	7,329.67	7,279.67	S	125.89	W 2,417.22	2,420.50
7820	7,339.01	7,289.01	S	124.79	W 2,420.61	2,423.82
7830	7,348.36	7,298.36	S	123.69	W 2,423.98	2,427.14
7840	7,357.71	7,307.71	S	122.60	W 2,427.35	2,430.45
7850	7,367.07	7,317.07	S	121.50	W 2,430.71	2,433.75
7860	7,376.43	7,326.43	S	120.41	W 2,434.07	2,437.04
7870	7,385.79	7,335.79	S	119.33	W 2,437.41	2,440.33
7880	7,395.15	7,345.15	S	118.24	W 2,440.75	2,443.62
7890	7,404.51	7,354.51	S	117.16	W 2,444.09	2,446.89
7900	7,413.88	7,363.88	S	116.08	W 2,447.41	2,450.16
7910	7,423.25	7,373.25	S	115.00	W 2,450.73	2,453.43
7920	7,432.63	7,382.63	S	113.92	W 2,454.04	2,456.69
7930	7,442.01	7,392.01	S	112.85	W 2,457.35	2,459.94
7940	7,451.39	7,401.39	S	111.78	W 2,460.64	2,463.18
7950	7,460.77	7,410.77	S	110.71	W 2,463.93	2,466.42
7960	7,470.15	7,420.15	S	109.64	W 2,467.22	2,469.65
7970	7,479.54	7,429.54	S	108.58	W 2,470.49	2,472.88
7980	7,488.93	7,438.93	S	107.52	W 2,473.76	2,476.10
7990	7,498.33	7,448.33	S	106.46	W 2,477.02	2,479.31
8000	7,507.72	7,457.72	S	105.40	W 2,480.28	2,482.52
* 8002	7,509.60	7,459.60	S	105.19	W 2,480.93	2,483.16 *