

INTEQ DIRECTIONAL SURVEY LISTING

M.DPTH feet	CRS LEN feet	INCLINATION degrees	AZIMUTH degrees	T.V.D. feet	VERT. SECT. feet	NORTH/SOUTH feet	EAST/WEST feet	DOGLEG SEV. d/100'
0	0	0.00	0.00	0.00	0.00	0.00N	0.00E	TIEON
100	100	0.17	244.13	100.00	0.06	0.06S	0.13W	0.17
150	50	0.09	167.27	150.00	0.05	0.14S	0.19W	0.35
200	50	0.22	171.51	200.00	-0.05	0.27S	0.17W	0.26
250	49	0.26	94.00	250.00	-0.22	0.37S	0.04W	0.60
300	50	0.25	126.46	300.00	-0.41	0.44S	0.16E	0.29
350	50	0.12	94.76	350.00	-0.56	0.51S	0.30E	0.32
400	50	0.28	121.12	400.00	-0.73	0.58S	0.46E	0.36
450	50	0.14	66.79	450.00	-0.87	0.62S	0.62E	0.46
500	49	0.26	48.70	500.00	-0.91	0.52S	0.76E	0.27
550	50	0.22	73.30	550.00	-0.98	0.42S	0.94E	0.22
600	50	0.39	51.21	600.00	-1.06	0.28S	1.16E	0.41
650	50	0.41	69.13	649.99	-1.17	0.11S	1.46E	0.25
700	50	0.51	53.50	699.99	-1.30	0.08N	1.81E	0.32
750	50	0.55	66.09	749.99	-1.44	0.31N	2.20E	0.25
800	50	0.57	67.42	799.99	-1.65	0.50N	2.65E	0.05
820	20	0.71	73.64	819.99	-1.76	0.58N	2.86E	0.78
855	35	1.10	246.60	854.99	-1.73	0.51N	2.76E	5.16
947	92	2.20	273.50	946.95	0.03	0.26N	0.19E	1.43
1041	94	3.90	269.90	1040.81	3.84	0.37N	4.81W	1.82
1136	95	4.60	270.00	1135.55	9.10	0.36N	11.85W	0.74
1228	92	5.70	269.60	1227.18	15.26	0.33N	20.11W	1.20
1322	94	7.10	272.70	1320.59	23.25	0.57N	30.58W	1.53
1417	95	8.50	279.40	1414.71	33.77	1.99N	43.37W	1.75
1512	95	10.80	286.10	1500.36	47.75	5.61N	58.85W	2.69
1606	94	14.20	287.20	1600.12	66.21	11.46N	78.33W	3.63
1700	93	18.10	293.20	1690.40	90.58	20.63N	102.78W	4.51
1791	91	23.10	297.10	1775.56	121.30	34.34N	131.68W	5.69
1822	30	24.70	296.20	1803.90	133.44	39.97N	142.91W	5.29
1918	96	28.50	303.00	1889.74	175.45	61.31N	180.13W	5.07
2013	94	33.90	306.40	1970.98	224.29	89.40N	220.50W	5.98
2107	94	40.40	306.80	2045.86	280.81	123.24N	266.04W	6.92
2202	95	44.50	306.60	2115.94	344.68	161.55N	317.44W	4.32
2297	95	48.20	308.50	2181.51	413.24	203.45N	371.90W	4.15
2392	95	51.40	311.20	2242.83	485.75	249.97N	427.57W	4.01
2483	91	55.80	312.00	2296.81	558.97	298.60N	482.32W	4.89
2576	93	60.80	312.50	2345.67	638.07	351.79N	540.86W	5.40
2671	95	62.10	313.60	2391.07	721.48	408.75N	601.84W	1.70
2766	95	63.10	313.60	2434.79	805.77	466.92N	662.91W	1.05
2861	95	65.40	312.70	2476.06	891.30	525.43N	725.34W	2.57

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INTEQ DIRECTIONAL SURVEY LISTING

Company..... Texaco, E & P
 Well..... OCS-G 16479 Well A046
 Survey Calc. Method..... Minimum Curvature
 Vert. Sect. Calc. Method... overall
 Proposed Azimuth..... 311.57

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 INTEQ Job ID..... 143076
 Grid Correction..... - 0.95
 Mag. Decl. Corr..... + 0.75
 Grid Decl. Corr..... - 0.20

H.DPTH feet	CRS LEN feet	INCLINATION degrees	AZIMUTH degrees	T.V.D. feet	VERT.SECT. feet	NORTH/SOUTH feet	EAST/WEST feet	DOGLEG SEV. d/100'
2956	95	66.10	311.80	2515.08	977.91	583.66N	789.45W	1.14
3053	97	70.80	312.10	2550.70	1068.10	643.96N	856.53W	4.85
3147	94	75.10	313.80	2578.25	1157.92	705.19N	922.28W	4.89
3242	95	75.50	312.40	2602.36	1249.77	767.97N	989.38W	1.49
3337	95	79.10	310.10	2623.25	1342.43	829.05N	1059.05W	4.46
3432	95	79.30	309.50	2641.05	1435.70	888.79N	1130.74W	0.66
3526	94	79.90	309.30	2658.02	1528.09	947.47N	1202.18W	0.67
3621	94	80.40	309.40	2674.27	1621.62	1006.82N	1274.56W	0.54
3716	95	80.20	309.80	2690.28	1715.20	1066.51N	1346.71W	0.47
3809	92	80.00	309.20	2706.27	1806.76	1124.78N	1417.41W	0.67
3905	96	80.40	309.50	2722.61	1901.28	1184.76N	1490.56W	0.52
4000	94	80.00	310.00	2738.78	1994.85	1244.62N	1562.53W	0.67
4096	96	79.60	310.20	2755.78	2089.30	1305.48N	1634.80W	0.46
4191	95	79.30	310.50	2773.17	2182.67	1365.95N	1705.98W	0.44
4286	95	79.60	310.20	2790.56	2276.05	1426.42N	1777.16W	0.44
4382	96	79.50	309.90	2807.98	2370.42	1487.16N	1849.42W	0.32
4478	96	79.80	309.90	2825.22	2464.82	1547.74N	1921.87W	0.31
4573	95	79.20	310.20	2842.54	2558.19	1607.84N	1993.38W	0.70
4669	96	78.30	311.70	2861.26	2652.34	1669.55N	2064.49W	1.80
4764	95	78.70	311.70	2880.20	2745.43	1731.48N	2133.99W	0.42
4860	96	78.70	310.20	2899.02	2839.56	1793.17N	2205.09W	1.53
4955	95	77.70	311.40	2918.44	2932.54	1853.93N	2275.49W	1.62
5051	96	78.50	311.40	2938.24	3026.48	1916.06N	2345.95W	0.83
5146	95	78.20	310.90	2957.42	3119.52	1977.28N	2416.01W	0.60
5241	95	77.70	311.30	2977.26	3212.42	2038.35N	2486.02W	TIEON
5332	91	77.90	309.20	2996.49	3301.34	2095.82N	2553.90W	2.27
5428	96	77.70	309.20	3016.78	3395.09	2155.12N	2626.62W	0.21
5523	95	77.70	309.30	3037.02	3487.83	2213.85N	2698.49W	0.10
5619	96	77.50	309.50	3057.63	3581.52	2273.36N	2770.95W	0.29
5715	96	77.20	310.00	3078.66	3675.15	2333.26N	2842.96W	0.60
5810	95	77.50	310.50	3099.46	3767.82	2393.15N	2913.71W	0.60
5905	95	77.50	310.80	3120.02	3860.55	2453.57N	2984.08W	0.31
6000	95	77.20	311.10	3140.82	3953.24	2514.32N	3054.09W	0.44
6095	95	77.70	311.30	3161.47	4045.97	2575.40N	3123.86W	0.57
6191	96	77.50	311.70	3182.08	4139.73	2637.53N	3194.08W	0.46
6286	95	77.30	311.80	3202.80	4232.44	2699.26N	3263.25W	0.23
6381	95	77.30	311.50	3223.69	4325.12	2760.85N	3332.50W	0.31
6476	95	77.70	311.40	3244.25	4417.86	2822.25N	3402.02W	0.43
6572	96	77.50	311.90	3264.87	4511.62	2884.56N	3472.08W	0.55
6667	95	77.20	311.70	3285.67	4604.32	2946.34N	3541.18W	0.38

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 Mag. Decl. Corr..... + 0.75
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M.DPTH feet	CRS LEN feet	INCLINATION degrees	AZIMUTH degrees	T.V.D. feet	VERT. SECT. feet	NORTH/SOUTH feet	EAST/WEST feet	DOGLEG SEV. d/100'
6762	95	77.50	311.30	3306.48	4697.01	3007.76N	3610.60W	0.52
6858	96	77.60	311.60	3327.17	4790.75	3069.82N	3680.86W	0.32
6953	95	77.50	312.00	3347.65	4883.52	3131.65N	3750.02W	0.42
7047	94	77.30	311.60	3368.16	4975.25	3192.79N	3818.41W	0.47
7143	95	77.30	311.90	3389.26	5068.90	3255.15N	3888.28W	0.30
7236	93	77.40	312.00	3409.63	5159.64	3315.81N	3955.76W	0.15
7332	95	77.50	312.40	3430.49	5253.34	3378.76N	4025.18W	0.42
7428	96	77.30	312.50	3451.43	5347.02	3441.99N	4094.31W	0.23
7523	95	77.30	312.30	3472.32	5439.69	3504.48N	4162.75W	0.21
7619	95	77.60	312.60	3493.18	5533.38	3567.73N	4231.89W	0.44
7714	95	77.40	312.90	3513.74	5626.11	3630.69N	4300.00W	0.37
7810	95	77.50	313.10	3534.60	5719.79	3694.59N	4368.53W	0.23
7905	95	77.70	312.60	3555.00	5812.55	3757.69N	4436.55W	0.55
8000	94	77.40	312.70	3575.48	5905.30	3820.54N	4504.78W	0.33
8095	95	77.80	312.90	3595.88	5998.06	3883.59N	4572.86W	0.47
8190	95	77.60	313.70	3616.12	6090.83	3947.24N	4640.41W	0.85
8286	96	77.60	312.70	3636.73	6184.56	4011.42N	4708.76W	1.02
8381	95	77.50	312.10	3657.21	6277.31	4073.98N	4777.26W	0.63
8477	96	77.30	311.90	3678.16	6371.00	4136.67N	4846.89W	0.29
8572	95	77.70	311.20	3698.72	6463.74	4198.18N	4916.30W	0.83
8668	96	77.50	310.80	3719.34	6557.50	4259.69N	4987.06W	0.46
8763	95	77.50	310.90	3739.90	6650.24	4320.36N	5057.21W	0.10
8858	95	77.70	310.50	3760.30	6743.01	4380.86N	5127.56W	0.46
8954	96	77.90	310.20	3780.59	6836.82	4441.61N	5199.07W	0.37
9049	95	77.40	311.00	3800.91	6929.61	4502.01N	5269.53W	0.98
9145	96	77.60	310.80	3821.68	7023.33	4563.37N	5340.37W	0.29
9241	96	77.60	311.70	3842.30	7117.09	4625.19N	5410.86W	0.92
9336	95	77.80	312.30	3862.54	7209.90	4687.30N	5479.84W	0.65
9431	95	77.50	312.80	3882.86	7302.69	4750.05N	5548.20W	0.60
9527	96	77.30	312.90	3903.80	7396.35	4813.77N	5616.89W	0.23
9622	95	77.40	313.50	3924.60	7489.01	4877.22N	5684.46W	0.63
9718	96	77.50	313.20	3945.46	7582.67	4941.55N	5752.60W	0.32
9813	95	77.50	313.30	3966.02	7675.38	5005.10N	5820.16W	0.10
9908	95	77.30	313.30	3986.75	7768.05	5068.68N	5887.63W	0.21
10003	95	77.60	313.50	4007.39	7860.73	5132.39N	5955.01W	0.38
10099	96	77.80	312.40	4027.84	7954.50	5196.30N	6023.66W	1.14
10194	95	77.90	312.00	4047.84	8047.37	5258.68N	6092.46W	0.42
10289	95	77.50	311.90	4068.07	8140.18	5320.73N	6161.50W	0.43
10340	51	77.50	311.70	4079.11	8189.97	5353.92N	6198.61W	0.38
10442	102	77.40	311.00	4101.28	8289.54	5419.69N	6273.35W	0.68

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M.DPTH	CRS LEN	INCLINATION	AZIMUTH	T.V.D.	VERT. SECT.	NORTH/SOUTH	EAST/WEST	DOGLEG SEV.
feet	feet	degrees	degrees	feet	feet	feet	feet	d/100'
10536	94	77.40	310.90	4121.78	8381.27	5479.82N	6342.64W	0.10
10630	94	77.30	312.60	4142.37	8472.98	5540.89N	6411.06W	1.77
10722	92	77.50	312.40	4162.44	8562.75	5601.54N	6477.26W	0.30
10818	96	77.60	311.70	4183.14	8656.49	5664.33N	6546.87W	0.72
10912	94	77.60	311.90	4203.32	8748.30	5725.52N	6615.31W	0.21
11007	95	77.50	311.60	4223.80	8841.06	5787.29N	6684.52W	0.33
11101	94	77.50	312.30	4244.15	8932.83	5848.64N	6752.77W	0.73
11195	94	77.40	312.60	4264.57	9024.58	5910.57N	6820.47W	0.33
11289	94	77.70	312.30	4284.84	9116.35	5972.52N	6888.20W	0.45
11383	94	77.60	312.80	4304.94	9208.17	6034.62N	6956.85W	0.53
11477	94	77.60	312.60	4325.13	9299.96	6096.88N	7023.32W	0.21
11571	94	77.60	312.60	4345.31	9391.75	6159.02N	7090.90W	0.00
11665	94	77.60	311.80	4365.50	9483.55	6220.69N	7158.91W	0.83
11760	95	77.60	311.10	4385.90	9576.33	6282.11N	7228.45W	0.72
11854	94	77.50	311.00	4406.16	9668.12	6342.39N	7297.67W	0.15
11949	95	77.60	311.40	4426.64	9760.88	6403.49N	7367.47W	0.42
12042	93	77.70	311.30	4446.53	9851.73	6463.51N	7435.67W	0.15
12136	94	77.30	313.00	4466.88	9943.49	6525.09N	7503.71W	1.82
12230	94	77.70	314.80	4487.23	10035.18	6588.73N	7569.83W	1.92
12324	94	77.60	314.00	4507.33	10126.89	6652.97N	7635.44W	0.84
12420	96	77.80	313.40	4527.78	10220.63	6717.77N	7703.25W	0.65
12513	93	77.90	312.30	4547.36	10311.52	6779.60N	7769.90W	1.16
12607	94	77.60	312.10	4567.30	10403.37	6841.31N	7837.95W	0.38
12701	94	77.50	312.50	4587.57	10495.15	6903.08N	7905.84W	0.43
12795	94	77.60	313.60	4607.83	10586.91	6965.74N	7972.92W	1.15
12889	94	78.00	312.30	4627.70	10678.76	7028.34N	8040.16W	1.42
12984	95	77.70	310.50	4647.70	10771.63	7089.75N	8109.82W	1.88
13078	94	77.80	309.50	4667.64	10863.45	7148.80N	8180.19W	1.05
13172	94	77.70	309.90	4687.59	10955.26	7207.48N	8250.87W	0.43
13266	94	77.60	310.60	4707.69	11047.06	7266.81N	8320.95W	0.74
13361	95	77.70	309.80	4728.01	11139.84	7326.71N	8391.83W	0.83
13455	94	77.70	309.80	4748.04	11231.63	7385.49N	8462.39W	0.00
13549	94	77.70	309.40	4768.06	11323.42	7444.04N	8533.16W	0.42
13642	92	77.80	308.50	4787.79	11414.21	7501.17N	8603.84W	0.95
13737	95	77.50	308.40	4808.11	11506.87	7558.88N	8676.51W	0.33
13831	94	77.60	308.30	4828.38	11598.62	7615.83N	8748.50W	0.15
13924	92	77.60	307.60	4848.35	11689.17	7671.69N	8820.12W	0.74
14019	95	77.50	307.50	4868.83	11781.70	7728.22N	8893.67W	0.15
14121	101	77.50	307.50	4890.91	11881.03	7788.84N	8972.67W	0.00

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