

API 17-700-41125-00

4/3/02

INTEQ DIRECTIONAL SURVEY LISTING

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'
4679	0	0.83	266.94	4677.80	-56.47	23.62S	53.44W	TIEON
4752	73	0.70	266.00	4750.79	-57.27	23.68S	54.41W	0.17
4845	93	0.70	280.00	4843.79	-58.12	23.62S	55.55W	0.18
4939	94	0.90	281.40	4937.78	-58.97	23.37S	56.84W	0.21
5035	96	0.90	284.60	5033.77	-59.91	23.04S	58.31W	0.05
5129	94	0.90	294.50	5127.75	-60.68	22.54S	59.69W	0.17
5224	95	0.90	305.40	5222.74	-61.22	21.80S	60.98W	0.18
5319	95	0.90	317.70	5317.73	-61.47	20.82S	62.09W	0.20
5415	96	1.00	316.20	5413.72	-61.59	19.65S	63.18W	0.11
5510	95	1.00	321.20	5508.70	-61.67	18.41S	64.27W	0.09
5604	94	1.00	329.60	5602.69	-61.55	17.06S	65.20W	0.16
5699	95	0.90	333.50	5697.67	-61.28	15.68S	65.95W	0.13
5793	94	1.00	345.40	5791.66	-60.78	14.23S	66.49W	0.23
5888	95	1.70	6.90	5886.64	-59.44	12.03S	66.53W	0.90
5982	94	4.70	29.40	5980.48	-54.87	7.28S	64.47W	3.40
6076	94	7.50	35.40	6073.94	-45.39	1.07N	59.02W	3.05
6171	95	9.40	38.90	6167.91	-31.85	12.17N	50.56W	2.08
6266	95	11.10	47.00	6261.39	-15.15	24.45N	38.99W	2.34
6361	95	13.70	51.50	6354.17	5.23	37.69N	23.50W	2.92
6455	94	13.90	51.50	6445.45	27.65	51.65N	5.95W	0.21
6549	94	14.80	53.30	6536.52	50.94	65.85N	12.51E	1.07
6644	95	17.10	56.80	6627.86	76.97	80.75N	33.93E	2.62
6738	94	19.20	56.40	6717.18	106.13	96.88N	58.37E	2.24
6833	95	21.50	53.60	6806.24	139.09	115.85N	85.40E	2.63
6929	96	24.30	52.90	6894.67	176.42	138.21N	115.32E	2.93
7023	94	26.30	53.30	6979.65	216.56	162.33N	147.45E	2.14
7118	95	29.40	55.00	7063.64	260.88	188.29N	183.43E	3.37
7212	94	32.30	57.20	7144.33	308.90	215.13N	223.45E	3.31
7307	95	34.60	60.00	7223.60	360.82	242.37N	268.15E	2.92
7401	94	36.70	62.10	7299.98	414.80	268.86N	316.10E	2.59
7496	95	39.20	64.20	7374.89	471.96	295.22N	368.22E	2.96
7583	87	40.50	65.20	7441.68	526.18	319.04N	418.62E	1.67
7678	95	42.00	65.60	7513.10	586.93	345.11N	475.58E	1.60
7772	94	44.00	64.90	7581.85	649.14	371.95N	533.79E	2.19
7866	94	45.00	62.80	7648.89	713.45	400.99N	592.92E	1.89
7961	95	44.30	58.90	7716.49	779.26	433.49N	651.21E	2.98
8056	95	43.10	55.00	7785.19	844.54	469.24N	706.21E	3.11
8150	94	44.00	50.80	7853.33	909.25	508.31N	757.83E	3.22
8245	95	45.80	50.50	7920.62	976.30	550.83N	809.68E	1.91
8339	94	47.50	49.80	7985.15	1044.64	594.63N	862.15E	1.89

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INTEQ



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INTEQ DIRECTIONAL SURVEY LISTING

INTEQ DIRECTIONAL SURVEY LISTING									
Company..... BP					Page 2				
Well..... OCS-G 00081 017					INTEQ Job ID..... 257679				
Survey Calc. Method..... Minimum Curvature					Grid Correction..... + 3.08 E				
Vert. Sect. Calc. Method... Overall					Mag. Decl. Corr..... + 0.98 W				
Proposed Azimuth..... 51.3					Grid Decl. Corr..... + 4.06				
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'	
8433	94	49.00	49.80	8047.74	1114.74	639.89N	915.72E	1.60	
8528	95	50.80	50.10	8108.92	1187.39	686.65N	971.34E	1.91	
8623	95	51.30	51.50	8168.65	1261.26	733.34N	1028.60E	1.26	
8719	96	51.90	51.50	8228.28	1336.50	780.17N	1087.47E	0.62	
8813	94	51.70	51.50	8286.41	1410.36	826.16N	1145.29E	0.21	
8907	94	51.20	51.90	8344.99	1483.88	871.72N	1202.98E	0.63	
9002	95	50.20	52.60	8405.16	1557.38	916.73N	1261.10E	1.20	
9096	94	49.80	53.30	8465.58	1629.36	960.11N	1318.57E	0.71	
9191	95	47.40	54.30	8528.40	1700.54	1002.21N	1376.06E	2.65	
9285	94	46.60	52.20	8592.51	1769.24	1043.33N	1431.15E	1.84	
9380	95	47.20	50.80	8657.43	1838.60	1086.51N	1485.42E	1.25	
9473	93	48.30	49.10	8719.96	1907.42	1130.81N	1538.11E	1.80	
9566	93	50.10	48.70	8780.73	1977.75	1177.09N	1591.15E	1.96	
9660	94	50.50	48.70	8840.77	2050.00	1224.82N	1645.49E	0.43	
9755	95	51.10	48.70	8900.82	2123.54	1273.41N	1700.80E	0.63	
9850	95	50.30	48.70	8960.99	2196.98	1321.93N	1756.02E	0.84	
9944	94	49.70	48.40	9021.41	2268.91	1369.59N	1810.00E	0.68	
10039	95	50.20	48.70	9082.54	2341.54	1417.73N	1864.50E	0.58	
10133	94	50.20	49.10	9142.71	2413.70	1465.21N	1918.92E	0.33	
10226	93	51.20	49.10	9201.61	2485.61	1512.33N	1973.32E	1.08	
10321	95	50.00	48.40	9261.91	2558.95	1560.72N	2028.51E	1.39	
10415	94	49.80	49.40	9322.46	2630.78	1607.99N	2082.70E	0.84	
10511	96	48.30	51.50	9385.38	2703.27	1654.16N	2138.59E	2.27	
10605	94	45.40	54.70	9449.67	2771.79	1695.36N	2193.38E	3.96	
10700	95	43.90	55.70	9517.25	2838.40	1733.47N	2248.20E	1.74	
10795	95	43.70	56.10	9585.82	2903.94	1770.33N	2302.64E	0.36	
10889	94	43.50	56.80	9653.89	2968.50	1806.16N	2356.67E	0.56	
10984	95	43.20	57.50	9722.97	3033.38	1841.54N	2411.45E	0.59	
11078	94	41.90	55.70	9792.22	3096.66	1876.52N	2464.52E	1.89	
11173	95	41.60	55.70	9863.10	3159.74	1912.16N	2516.78E	0.32	
11265	92	41.90	56.10	9931.74	3220.80	1946.51N	2567.50E	0.44	
11362	97	42.80	56.40	10003.42	3285.90	1982.81N	2621.84E	0.95	
11455	93	45.50	59.30	10070.15	3350.23	2017.24N	2676.69E	3.62	
11552	97	46.80	57.80	10137.35	3419.62	2053.74N	2736.35E	1.74	
11646	94	46.80	53.30	10201.71	3487.92	2092.48N	2792.83E	3.49	
11740	94	47.20	49.10	10265.84	3556.64	2135.55N	2846.38E	3.29	
11834	94	48.30	44.80	10329.06	3625.98	2183.04N	2897.19E	3.58	
11930	96	49.10	40.60	10392.43	3697.26	2236.03N	2946.06E	3.39	
12024	94	48.40	35.70	10454.43	3766.04	2291.57N	2989.71E	3.99	
12112	88	46.50	33.60	10513.94	3828.15	2344.88N	3026.58E	2.78	
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INTEQ DIRECTIONAL SURVEY LISTING

Company.....	BP	Page 3
Well.....	OCS-G 00081 017	INTEQ Job ID..... 257679
Survey Calc. Method.....	Minimum Curvature	Grid Correction..... + 3.08 E
Vert. Sect. Calc. Method...	Overall	Mag. Decl. Corr..... + 0.98 W
Proposed Azimuth.....	51.3	Grid Decl. Corr..... + 4.06

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'
12205	93	45.50	33.90	10578.54	3891.93	2400.50N	3063.74E	1.10
12236	31	45.50	34.30	10600.27	3913.06	2418.81N	3076.14E	0.92
12279	43	45.50	34.30	10630.41	3942.39	2444.15N	3093.42E	0.00