



Directional Survey Data

Well Name Beezley 6X22	Lease Beezley	Field Name Rangely	Business Unit Mid-Continent/Alaska	Surface UWI 0510311743	Surface ChevNo MH9748
Wellbore Name Original Hole	Directional Type Shallow Kick Off 'S'	Wellbore UWI 051031174300	Wellbore ChevNo MH9748-00	Kick Off Depth (ftKB) 6,837.00	Date TD Reached (wellbore) 10/13/2010 02:30
UTM Northing (Y) (ft)	UTM Easting (X) (ft)	UTM Grid Zone	Latitude (DMS)	Longitude (DMS)	Closure Direction (°) 242.76

Directional Surveys

Description Surveys	Planned? No	Definitive? No	Note Correction
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Survey Data

Survey Company	Date	MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
Scientific Drilling	9/30/2010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scientific Drilling	9/30/2010	190.00	189.93	2.73	242.78	4.53	-2.07	-4.02	1.44	1.44	127.78
Scientific Drilling	9/30/2010	280.00	279.82	2.99	236.89	9.00	-4.33	-7.90	0.44	0.29	-6.54
Scientific Drilling	9/30/2010	402.00	401.66	2.90	239.70	15.25	-7.63	-13.23	0.14	-0.07	2.30
Scientific Drilling	9/30/2010	494.00	493.54	2.81	232.58	19.79	-10.17	-17.03	0.40	-0.10	-7.74
Scientific Drilling	9/30/2010	584.00	583.42	3.08	232.23	24.34	-12.99	-20.69	0.30	0.30	-0.39
Scientific Drilling	9/30/2010	675.00	674.29	3.08	223.97	29.06	-16.25	-24.32	0.49	0.00	-9.08
Scientific Drilling	9/30/2010	767.00	766.21	1.85	208.15	32.62	-19.34	-26.74	1.52	-1.34	-17.20
Scientific Drilling	9/30/2010	864.00	863.18	0.62	201.82	34.31	-21.21	-27.67	1.27	-1.27	-6.53
Scientific Drilling	9/30/2010	962.00	961.18	0.53	133.53	34.56	-22.01	-27.54	0.66	-0.09	-69.68
Scientific Drilling	10/1/2010	1,058.00	1,057.18	0.44	51.44	34.05	-22.09	-26.93	0.67	-0.09	-85.51
Scientific Drilling	10/1/2010	1,154.00	1,153.16	1.32	339.10	33.57	-20.82	-27.03	1.31	0.92	299.65
Scientific Drilling	10/1/2010	1,252.00	1,251.14	1.32	5.47	32.83	-18.65	-27.33	0.61	0.00	-340.44
Scientific Drilling	10/1/2010	1,349.00	1,348.11	1.58	339.72	32.07	-16.28	-27.69	0.72	0.27	344.59
Scientific Drilling	10/1/2010	1,446.00	1,445.08	1.32	331.63	31.93	-14.04	-28.68	0.34	-0.27	-8.34
Scientific Drilling	10/1/2010	1,543.00	1,542.07	0.44	29.90	31.64	-12.74	-29.03	1.19	-0.91	-311.06
Scientific Drilling	10/1/2010	1,641.00	1,640.06	0.88	76.84	30.59	-12.24	-28.11	0.68	0.45	47.90
Scientific Drilling	10/1/2010	1,740.00	1,739.05	1.23	104.70	29.06	-12.34	-26.34	0.62	0.35	28.14
Scientific Drilling	10/1/2010	1,838.00	1,837.04	0.35	63.39	27.98	-12.47	-25.05	1.01	-0.90	-42.15
Scientific Drilling	10/1/2010	1,970.00	1,969.03	0.97	253.94	28.67	-12.60	-25.77	1.00	0.47	144.36
Scientific Drilling	10/4/2010	2,015.00	2,014.03	0.69	225.50	29.31	-12.89	-26.33	1.09	-0.62	-63.20
Scientific Drilling	10/4/2010	2,111.00	2,110.01	1.58	211.49	30.99	-14.43	-27.43	0.96	0.93	-14.59
Scientific Drilling	10/5/2010	2,209.00	2,207.95	2.37	184.86	33.22	-17.60	-28.31	1.22	0.81	-27.17
Scientific Drilling	10/5/2010	2,306.00	2,304.87	2.46	162.89	34.65	-21.58	-27.86	0.95	0.09	-22.65
Scientific Drilling	10/5/2010	2,403.00	2,401.81	1.49	137.75	34.69	-24.51	-26.40	1.32	1.00	-26.02
Scientific Drilling	10/5/2010	2,500.00	2,498.76	2.11	182.40	35.25	-27.23	-25.63	1.53	0.64	46.03
Scientific Drilling	10/5/2010	2,597.00	2,595.66	3.17	208.06	38.34	-31.38	-26.97	1.61	1.09	26.45
Scientific Drilling	10/5/2010	2,695.00	2,693.41	5.01	216.94	44.42	-37.19	-30.81	1.98	1.88	9.06
Scientific Drilling	10/5/2010	2,792.00	2,789.87	7.03	226.61	53.93	-44.65	-37.67	2.32	2.08	9.97
Scientific Drilling	10/5/2010	2,889.00	2,886.02	8.18	231.97	66.41	-52.98	-47.42	1.39	1.19	5.53
Scientific Drilling	10/5/2010	2,996.00	2,991.70	9.85	241.46	83.04	-62.05	-61.46	2.08	1.56	8.87
Scientific Drilling	10/5/2010	3,083.00	3,077.21	11.34	242.34	99.04	-69.57	-75.58	1.72	1.71	1.01
Scientific Drilling	10/5/2010	3,180.00	3,172.32	11.34	240.71	118.10	-78.66	-92.94	0.53	0.00	-1.68
Scientific Drilling	10/5/2010	3,278.00	3,268.18	12.66	241.02	138.47	-88.58	-110.14	1.35	1.35	0.32
Scientific Drilling	10/5/2010	3,375.00	3,363.04	11.43	240.05	158.69	-98.53	-127.76	1.29	-1.27	-1.00
Scientific Drilling	10/6/2010	3,472.00	3,458.01	12.05	241.20	178.42	-108.21	-144.97	0.68	0.64	1.19
Scientific Drilling	10/6/2010	3,569.00	3,553.00	11.34	239.44	198.06	-117.93	-162.05	0.82	-0.73	-1.81
Scientific Drilling	10/6/2010	3,667.00	3,649.14	10.99	234.61	216.92	-128.24	-177.96	1.02	-0.36	-4.93
Scientific Drilling	10/6/2010	3,764.00	3,744.58	9.58	238.47	234.13	-137.82	-192.38	1.62	-1.45	3.98



Directional Survey Data

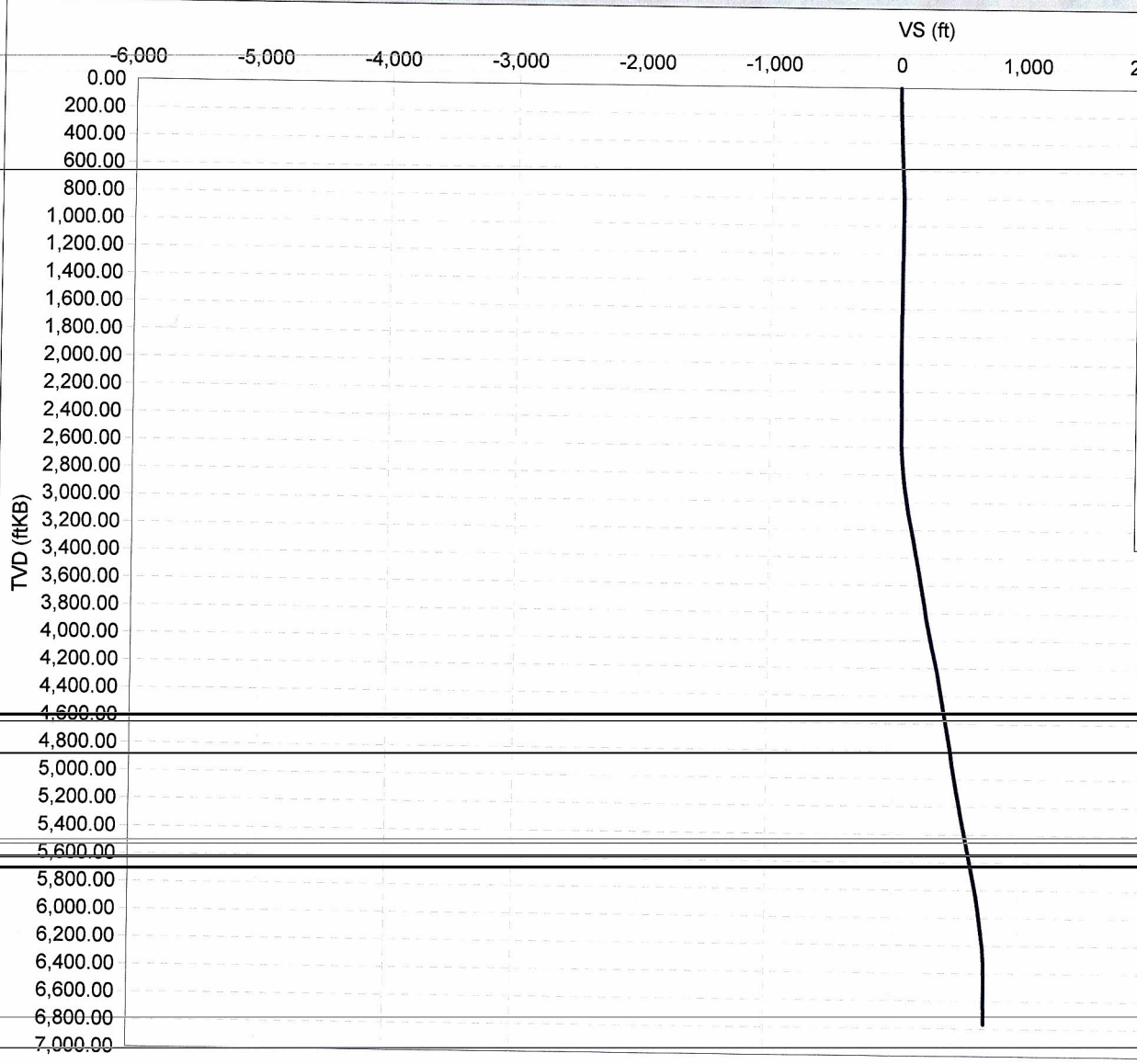
Well Name Beezley 6X22		Lease Beezley		Field Name Rangely		Business Unit Mid-Continent/Alaska		Surface UWI 0510311743		Surface ChevNo MH9748	
Survey Data											
Survey Company	Date	MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
Scientific Drilling	10/6/2010	3,861.00	3,840.04	10.90	244.45	251.34	-146.00	-207.54	1.75	1.36	6.16
Scientific Drilling	10/6/2010	3,960.00	3,937.08	11.96	247.50	270.92	-153.96	-225.46	1.23	1.07	3.08
Scientific Drilling	10/6/2010	4,056.00	4,030.59	14.16	245.24	292.57	-162.68	-245.31	2.35	2.29	-2.35
Scientific Drilling	10/6/2010	4,153.00	4,124.64	14.16	245.77	316.27	-172.52	-266.91	0.13	0.00	0.55
Scientific Drilling	10/6/2010	4,248.00	4,217.27	11.43	243.75	337.29	-181.46	-285.95	2.91	-2.87	-2.13
Scientific Drilling	10/6/2010	4,345.00	4,312.45	10.82	242.78	356.01	-189.87	-302.67	0.66	-0.63	-1.00
Scientific Drilling	10/6/2010	4,442.00	4,407.63	11.43	245.68	374.71	-198.00	-319.52	0.85	0.63	2.99
Scientific Drilling	10/6/2010	4,540.00	4,503.94	9.85	242.87	392.79	-205.82	-335.83	1.70	-1.61	-2.87
Scientific Drilling	10/6/2010	4,637.00	4,599.09	12.49	245.33	411.57	-213.98	-352.75	2.77	2.72	2.54
Scientific Drilling	10/6/2010	4,734.00	4,693.97	11.52	243.75	431.73	-222.64	-370.97	1.06	-1.00	-1.63
Scientific Drilling	10/6/2010	4,831.00	4,789.51	8.35	239.18	448.45	-230.54	-385.71	3.37	-3.27	-4.71
Scientific Drilling	10/6/2010	4,929.00	4,886.29	9.76	247.44	463.83	-237.37	-399.49	1.95	1.44	8.43
Scientific Drilling	10/7/2010	5,026.00	4,981.65	11.33	250.23	481.48	-243.75	-416.05	1.70	1.62	2.88
Scientific Drilling	10/7/2010	5,123.00	5,076.74	11.43	251.83	500.42	-249.97	-434.15	0.34	0.10	1.65
Scientific Drilling	10/7/2010	5,221.00	5,172.75	11.70	252.01	519.81	-256.07	-452.83	0.28	0.28	0.18
Scientific Drilling	10/7/2010	5,318.00	5,267.72	11.78	247.53	539.39	-262.89	-471.33	0.94	0.08	-4.62
Scientific Drilling	10/7/2010	5,413.00	5,360.59	12.57	247.09	559.36	-270.62	-489.82	0.84	0.83	-0.46
Scientific Drilling	10/7/2010	5,511.00	5,456.10	13.28	242.96	581.25	-279.89	-509.66	1.19	0.72	-4.21
Scientific Drilling	10/7/2010	5,608.00	5,550.74	12.05	244.54	602.51	-289.30	-528.73	1.32	-1.27	1.63
Scientific Drilling	10/7/2010	5,706.00	5,646.49	12.57	247.50	623.36	-297.78	-547.82	0.83	0.53	3.02
Scientific Drilling	10/7/2010	5,803.00	5,741.18	12.49	246.47	644.35	-306.01	-567.19	0.24	-0.08	-1.06
Scientific Drilling	10/7/2010	5,900.00	5,836.18	10.82	246.38	663.91	-313.85	-585.15	1.72	-1.72	-0.09
Scientific Drilling	10/7/2010	5,997.00	5,931.77	8.71	241.20	680.34	-321.03	-599.93	2.35	-2.18	-5.34
Scientific Drilling	10/8/2010	6,095.00	6,028.81	7.30	237.33	693.95	-327.97	-611.67	1.54	-1.44	-3.95
Scientific Drilling	10/8/2010	6,191.00	6,123.84	8.97	239.09	707.49	-335.11	-623.23	1.76	1.74	1.83
Scientific Drilling	10/8/2010	6,288.00	6,219.87	7.21	239.09	721.12	-342.12	-634.94	1.81	-1.81	0.00
Scientific Drilling	10/8/2010	6,384.00	6,315.53	1.97	220.00	728.66	-346.48	-641.17	5.61	-5.46	-19.89
Scientific Drilling	10/9/2010	6,481.00	6,412.51	0.26	226.26	730.40	-347.91	-642.40	1.76	-1.76	6.45
Scientific Drilling	10/9/2010	6,558.00	6,489.49	2.29	325.48	730.77	-346.76	-643.40	3.05	2.64	128.86
Scientific Drilling	10/12/2010	6,726.00	6,657.29	3.28	307.91	733.21	-341.04	-649.10	0.77	0.59	-10.46
Scientific Drilling	10/12/2010	6,781.00	6,712.20	3.52	309.66	734.54	-339.00	-651.64	0.48	0.44	3.18
Scientific Drilling	10/12/2010	6,837.00	6,766.09	3.52	309.66	735.86	-336.81	-654.28	0.00	0.00	0.00



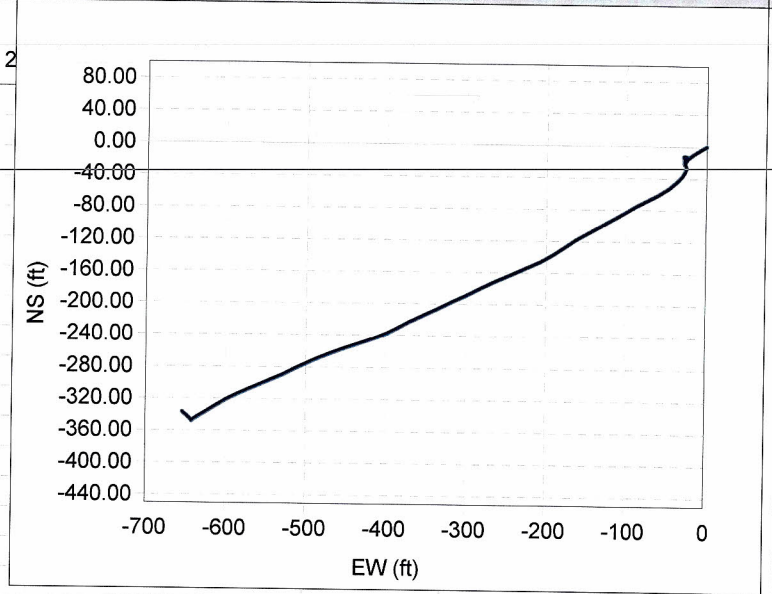
Directional Plot

Well Name Beezley 6X22	Lease Beezley	Field Name Rangely	Business Unit Mid-Continent/Alaska	Surface UWI 0510311743	Surface ChevNo MH9748
Wellbore Name Original Hole	Directional Type Shallow Kick Off 'S'	Kick Off Depth (ftKB) 6,837.00	Total Depth of Wellbore (ftKB) 6,837.00	Wellbore UWI 051031174300	Wellbore ChevNo MH9748-00

Vertical Section



Plan



— VS vs TVD

— VS vs TVD