

Schlumberger Survey Report

Burlington Resources Oil & Gas Co.
Checkerboard 23 Federal #10
Lea County, New Mexico

Magnetic Declination: 9.14 DEG

Tie In Point (TIP):

Measured Depth	8200	FT.
True Vertical Depth	8195.21	FT.
Inclination	1.75	DEG
Azimuth	156.53	DEG
N/S Displacement(-ve for S)	16.93	FT.
E/W Displacement(-ve for W)	113.42	FT.

Azim. From Rotary Table To Target 350 DEG

Accepted Survey Listing:

M.Depth (ft)	Int. (ft)	TVD (ft)	TargetS (ft)	Incl. (deg)	Azim (deg)	N.Disp (ft)	E.Disp (ft)	T.Disp (ft)	Clr.Ang (deg)	DLS (D/HF)
8388	188	8379.98	24.29	19.27	333.82	42.42	100.73	109.3	67.16	11.18
8420	32	8408.48	38.05	34.21	333.36	55.27	94.33	109.33	59.63	46.69
8451	31	8432.02	57.58	46.75	339.46	73.71	86.43	113.59	49.54	42.38
8483	32	8452.7	81.87	52.9	352.26	97.35	80.6	126.39	39.62	36.04
8515	32	8468.79	109.44	66.6	348.04	124.5	75.81	145.77	31.34	44.29
8536	21	8475.39	129.33	76.71	347.09	143.94	71.52	160.73	26.42	48.33
8567	31	8481.91	159.61	79.01	348.33	173.55	65.07	185.35	20.55	8.39
8599	32	8487.35	191.14	81.4	349.45	204.49	59	212.83	16.09	8.23
8631	32	8491.44	222.87	83.9	350.86	235.76	53.58	241.77	12.8	8.95
8662	31	8493.88	253.76	87.07	352.3	266.33	49.06	270.81	10.44	11.23
8694	32	8494.56	285.72	90.5	352.97	298.05	44.96	301.43	8.58	10.92
8726	32	8494.26	317.67	90.57	353.15	329.81	41.09	332.36	7.1	0.6
8757	31	8493.94	348.61	90.6	353.54	360.6	37.5	362.54	5.94	1.26
8789	32	8493.55	380.55	90.78	353.49	392.39	33.89	393.85	4.94	0.58
8821	32	8492.96	412.47	91.35	353.84	424.19	30.36	425.27	4.09	2.09
8853	32	8492.24	444.41	91.23	353	455.97	26.69	456.75	3.35	2.65
8885	32	8492.46	476.38	87.99	351.38	487.67	22.34	488.18	2.62	11.32
8916	31	8493.42	507.36	88.48	351.82	518.32	17.81	518.63	1.97	2.12
8948	32	8493.66	539.34	90.66	351.51	549.98	13.17	550.14	1.37	6.88
8979	31	8493.59	570.33	89.6	350.86	580.61	8.42	580.67	0.83	4.01
9010	31	8494.08	601.32	88.6	350.86	611.21	3.5	611.22	0.33	3.23
9041	31	8494.67	632.31	89.22	351.01	641.82	-1.38	641.82	359.88	2.06
9073	32	8494.89	664.31	90	350.15	673.39	-6.62	673.42	359.44	3.63
9144	71	8493.71	735.3	91.9	349.77	743.29	-19	743.53	358.54	2.73
9176	32	8492.55	767.28	92.24	349.75	774.76	-24.68	775.15	358.18	1.06
9208	32	8491.03	799.24	93.2	350.15	806.23	-30.26	806.8	357.85	3.25
9271	63	8488.72	862.19	91	348.75	868.12	-41.79	869.12	357.24	4.14
9334	63	8488.11	925.17	90.11	348.71	929.9	-54.1	931.47	356.67	1.41
9398	64	8486.89	989.14	92.07	349.09	992.69	-66.42	994.91	356.17	3.12
9430	32	8486.13	1021.12	90.66	347.72	1024.03	-72.85	1026.61	355.93	6.14
9462	32	8485.83	1053.1	90.4	348.04	1055.32	-79.57	1058.31	355.69	1.29
9494	32	8485.38	1085.09	91.23	349.41	1086.7	-85.83	1090.08	355.48	5.01