

Schlumberger Survey Report

Burlington Resources Oil & Gas Co.
El Paso 23 Federal #2
Eddy County, New Mexico

Magnetic Declination: 9.54 DEG

Tie In Point (TIP):

Measured Depth 11750 FT.
True Vertical Depth 11747.12 FT.
Inclination .86 DEG
Azimuth 199 DEG
N/S Displacement(-ve for S) -118.39 FT.
E/W Displacement(-ve for W) -93.78 FT.

Azim. From Rotary Table To Target 295 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)
11908	158	11905.11	35.46	0.73	243	-119.97	-95.06	153.07	218.39	0.38
11938	30	11935.08	36.5	3.75	276.04	-119.95	-96.21	153.77	218.73	10.54
11969	31	11965.78	40.59	11.66	291.14	-118.71	-100.15	155.31	220.15	26.12
12001	32	11996.59	49.14	19.34	295.67	-115.24	-107.95	157.91	223.13	24.28
12031	30	12024.18	60.85	26.68	296.09	-110.12	-118.49	161.76	227.1	24.47
12063	32	12051.92	76.77	33.04	296.02	-103.13	-132.8	168.14	232.17	19.88
12094	31	12077	94.97	38.9	295.52	-95.22	-149.19	176.99	237.45	18.93
12123	29	12098.54	114.36	45.12	298.12	-86.45	-166.49	187.59	242.56	22.27
12157	34	12121.03	139.79	51.99	298.27	-74.41	-188.94	203.06	248.5	20.21
12189	32	12138.77	166.33	60.6	299.32	-61.59	-212.24	221	253.82	27.04
12220	31	12151.32	194.47	71.55	302.31	-47.07	-236.52	241.16	258.74	36.4
12250	30	12158.2	223.47	81.92	299.52	-32.1	-261.54	263.51	263	35.73
12281	31	12161.32	254.19	86.53	300.4	-16.7	-288.25	288.74	266.68	15.14
12313	32	12163.29	286.01	86.41	299.34	-0.79	-315.95	315.95	269.86	3.33
12344	31	12164.83	316.88	87.88	299.54	14.43	-342.91	343.22	272.41	4.79
12375	31	12165.36	347.75	90.17	300.63	29.97	-369.73	370.94	274.63	8.18
12407	32	12164.67	379.56	92.29	301.84	46.56	-397.08	399.8	276.69	7.63
12439	32	12163.42	411.26	92.18	303.04	63.71	-424.07	428.82	278.54	3.76
12470	31	12162.69	441.92	90.52	303.89	80.8	-449.92	457.12	280.18	6.02
12501	31	12162.66	472.55	89.6	303.78	98.06	-475.67	485.67	281.65	2.99
12533	32	12162.72	504.19	90.17	303.19	115.71	-502.36	515.51	282.97	2.56
12564	31	12162.6	534.9	90.29	302.71	132.57	-528.37	544.75	284.08	1.6
12595	31	12162.92	565.6	88.54	302.99	149.38	-554.41	574.18	285.08	5.72
12627	32	12163.77	597.27	88.42	303.1	166.82	-581.22	604.69	286.01	0.51
12658	31	12164.91	627.91	87.36	303.85	183.91	-607.06	634.31	286.85	4.19
12690	32	12166.91	659.53	85.48	302.28	201.33	-633.82	665.03	287.62	7.65
12721	31	12168.91	690.2	87.13	302.56	217.91	-659.93	694.98	288.27	5.4
12751	30	12170.25	719.9	87.77	302.52	234.03	-685.2	724.06	288.86	2.14
12782	31	12171.16	750.62	88.88	302.79	250.75	-711.29	754.19	289.42	3.68
12814	32	12171.19	782.31	91	303.23	268.18	-738.12	785.33	289.97	6.77
12846	32	12170.62	813.96	91.06	303.33	285.74	-764.87	816.5	290.48	0.36
12878	32	12169.51	845.65	92.93	302.26	303.06	-791.75	847.77	290.95	6.73