

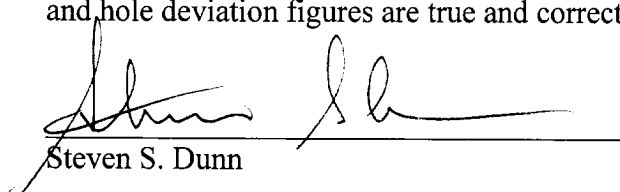
MERRION

OIL & GAS

Farmington Com No. 1E
API #30-045-29625
Section 14, T29N, R13W
San Juan County, New Mexico

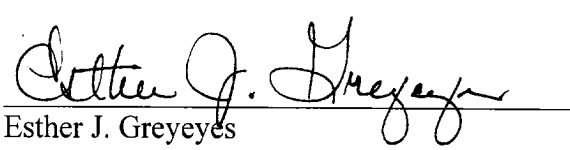
SLOPE TESTS

I, Steven S. Dunn, being first duly sworn, depose and state that the attached and foregoing depth and hole deviation figures are true and correct to the best of my information and belief.


Steven S. Dunn

Subscribed and sworn before me this 22nd of December, 1998

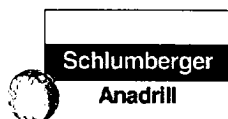
State of New Mexico }
 } ss
County of San Juan }


Esther J. Greyeyes
Notary Public

RECEIVED
JAN 15 1999

OIL CON. DIV.
DIST. 9

My Commission Expires: August 7, 2002



Survey Calculations

Client: Merrion O&G Corp. Field: NM, San Juan County Structure: Merrion O&G Corp. Well: Farmington Com #1E Borehole: New Borehole API #: Date: November 13, 1998 Grid Convergence: -0.32728780° Scale Factor: 0.99994655 Location: N 36 31 0.000, W 108 23 0.001 : N 2007835.000 ftUS, E 2561475.600 ftUS Coordinate System: NAD83 New Mexico State Planes, Western Zone, US Feet	Survey Computation Method: Minimum Curvature DLS Computation Method: Lubinski Vertical Section Azimuth: 0.000° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference: 5328.0 ft above Magnetic Declination: 11.618° Total Field Strength: 51710.692 nT Dip: 63.486° Declination Date: November 12, 1998 Magnetic Declination Model: BGS 1998 North Reference: True North Coordinate Reference To: Well Head
---	---

Station ID	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSec (ft)	N-S (ft)	E-W (ft)	Closure (ft)	at Azim (°)	DLS (°/100ft)	TF (°)
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-93.0MTF
	656.00	0.50	267.00	655.99	-0.15	-0.15	-2.86	2.86	267.00	0.08	-99.5MTF
	1196.00	0.30	260.50	1195.98	-0.51	-0.51	-6.61	6.63	265.62	0.04	-93.1MTF
	1736.00	0.20	266.90	1735.97	-0.79	-0.79	-8.94	8.98	264.95	0.02	-115.6MTF
	1786.00	0.30	244.40	1785.97	-0.85	-0.85	-9.15	9.19	264.68	0.28	-23.1MTF
	1818.00	0.60	336.90	1817.97	-0.73	-0.73	-9.29	9.32	265.48	2.13	-13.7MTF
	1850.00	1.50	346.30	1849.97	-0.17	-0.17	-9.45	9.45	268.95	2.85	3.9MTF
	1881.00	3.60	3.90	1880.93	1.19	1.19	-9.48	9.56	277.17	7.15	6.7MTF
	1912.00	5.40	6.70	1911.84	3.61	3.61	-9.25	9.93	291.34	5.85	-1.4
	1944.00	6.90	6.40	1943.65	7.02	7.02	-8.86	11.30	308.40	4.69	-6.3
	1975.00	8.20	5.40	1974.38	11.07	11.07	-8.44	13.92	322.68	4.21	0.8
	2006.00	9.40	5.50	2005.02	15.79	15.79	-7.99	17.70	333.16	3.87	4.1
	2038.00	10.70	6.00	2036.53	21.35	21.35	-7.43	22.60	340.81	4.07	5.1
	2069.00	12.40	6.70	2066.90	27.51	27.51	-6.74	28.33	346.24	5.50	0.0
	2100.00	13.70	6.70	2097.10	34.47	34.47	-5.92	34.97	350.25	4.19	-14.6
	2132.00	15.10	5.30	2128.09	42.38	42.38	-5.10	42.69	353.14	4.51	-10.8
	2163.00	16.60	4.30	2157.91	50.82	50.82	-4.39	51.01	355.06	4.92	-12.9
	2195.00	18.10	3.20	2188.45	60.34	60.34	-3.77	60.46	356.42	4.80	-7.5
	2226.00	19.90	2.50	2217.76	70.42	70.42	-3.27	70.49	357.34	5.85	0.0
	2256.00	21.50	2.50	2245.83	81.01	81.01	-2.81	81.06	358.01	5.33	18.0
	2287.00	23.20	3.90	2274.50	92.78	92.78	-2.15	92.81	358.68	5.75	0.0
	2319.00	24.40	3.90	2303.77	105.66	105.66	-1.27	105.67	359.31	3.75	-21.1
	2350.00	26.00	2.50	2331.82	118.84	118.84	-0.54	118.84	359.74	5.51	0.0
	2382.00	27.50	2.50	2360.40	133.23	133.23	0.09	133.23	0.04	4.69	-11.4
	2413.00	29.20	1.80	2387.68	147.94	147.94	0.64	147.94	0.25	5.59	-32.7
	2444.00	30.90	359.70	2414.51	163.46	163.46	0.84	163.46	0.29	6.45	32.5
	2476.00	32.70	1.80	2441.71	180.32	180.32	1.07	180.32	0.34	6.60	14.7
	2508.00	34.20	2.50	2468.41	197.94	197.94	1.73	197.95	0.50	4.84	37.5
	2538.00	35.50	4.20	2493.03	215.05	215.05	2.74	215.07	0.73	5.41	0.0
	2570.00	35.50	4.20	2519.08	233.59	233.59	4.10	233.62	1.00	0.00	149.9
	2602.00	35.40	4.30	2545.15	252.10	252.10	5.47	252.16	1.24	0.36	-157.8

2693.00	34.30	3.50	2619.82	303.97	303.97	9.01	304.11	1.70	1.31	-20.2
2786.00	35.90	2.50	2695.91	357.37	357.37	11.80	357.57	1.89	1.83	-165.5
2881.00	34.80	2.00	2773.40	412.29	412.29	13.96	412.53	1.94	1.20	-150.4
2976.00	34.60	1.80	2851.50	466.35	466.35	15.76	466.61	1.94	0.24	132.2
3069.00	33.90	3.20	2928.37	518.63	518.63	18.04	518.95	1.99	1.13	0.0
3164.00	33.90	3.20	3007.22	571.54	571.54	20.99	571.92	2.10	0.00	81.2
3256.00	34.10	5.30	3083.50	622.83	622.83	24.81	623.33	2.28	1.29	70.8
3350.00	34.30	6.30	3161.24	675.40	675.40	30.15	676.07	2.56	0.63	20.5
3443.00	36.20	7.50	3237.19	728.68	728.68	36.61	729.60	2.88	2.17	-171.7
3536.00	35.80	7.40	3312.43	782.88	782.88	43.70	784.10	3.19	0.43	-160.1
3630.00	34.70	6.70	3389.19	836.72	836.72	50.36	838.23	3.44	1.25	-63.7
3724.00	34.90	6.00	3466.38	890.04	890.04	56.29	891.81	3.62	0.48	-146.8
3817.00	34.30	5.30	3542.93	942.59	942.59	61.49	944.59	3.73	0.77	24.2
3911.00	35.20	6.00	3620.17	995.91	995.91	66.77	998.14	3.84	1.05	-19.1
4005.00	36.40	5.30	3696.40	1050.62	1050.62	72.18	1053.10	3.93	1.35	38.6
4098.00	36.70	5.70	3771.11	1105.75	1105.75	77.49	1108.46	4.01	0.41	-115.0
4192.00	35.70	1.80	3846.98	1161.12	1161.12	81.14	1163.95	4.00	2.67	152.8
4285.00	34.60	2.80	3923.02	1214.62	1214.62	83.28	1217.47	3.92	1.33	-162.3
4380.00	32.90	1.80	4002.01	1267.35	1267.35	85.41	1270.23	3.86	1.88	-44.0
4474.00	33.30	1.10	4080.75	1318.67	1318.67	86.71	1321.52	3.76	0.59	44.3
4568.00	33.70	1.80	4159.14	1370.53	1370.53	88.02	1373.36	3.67	0.59	150.2
4662.00	32.40	3.20	4237.93	1421.74	1421.74	90.25	1424.61	3.63	1.60	-164.5
4756.00	31.10	2.50	4317.86	1471.15	1471.15	92.71	1474.06	3.61	1.44	-170.8
4850.00	29.00	1.80	4399.22	1518.18	1518.18	94.49	1521.12	3.56	2.26	180.0
4943.00	28.70	1.80	4480.68	1563.03	1563.03	95.90	1565.97	3.51	0.32	82.8
5037.00	28.90	4.60	4563.05	1608.23	1608.23	98.43	1611.24	3.50	1.45	20.7
5131.00	30.80	6.00	4644.58	1654.81	1654.81	102.77	1658.00	3.55	2.15	-6.6
5222.00	34.20	5.30	4721.32	1703.46	1703.46	107.57	1706.86	3.61	3.76	-52.1
5315.00	35.50	2.50	4797.64	1756.47	1756.47	111.16	1759.99	3.62	2.22	-6.8
5410.00	39.20	1.80	4873.15	1814.06	1814.06	113.31	1817.59	3.57	3.92	-128.0
5502.00	37.00	356.90	4945.56	1870.78	1870.78	112.72	1874.17	3.45	4.06	-155.4
5597.00	36.10	356.20	5021.88	1927.25	1927.25	109.32	1930.35	3.25	1.04	171.2
5690.00	33.60	356.90	5098.19	1980.29	1980.29	106.11	1983.13	3.07	2.72	94.4
5784.00	33.50	0.40	5176.54	2032.21	2032.21	104.89	2034.91	2.95	2.06	90.0
5877.00	33.50	2.80	5254.09	2083.51	2083.51	106.32	2086.22	2.92	1.42	52.2
5972.00	34.30	4.60	5332.94	2136.38	2136.38	109.75	2139.19	2.94	1.35	-61.7
6064.00	35.20	1.80	5408.54	2188.72	2188.72	112.66	2191.62	2.95	1.99	0.0
6158.00	35.20	1.80	5485.35	2242.88	2242.88	114.36	2245.80	2.92	0.00	104.5
6251.00	35.00	3.20	5561.44	2296.30	2296.30	116.69	2299.27	2.91	0.89	122.4
6345.00	34.30	5.20	5638.77	2349.60	2349.60	120.60	2352.69	2.94	1.42	-123.0
6438.00	33.70	3.50	5715.87	2401.45	2401.45	124.55	2404.68	2.97	1.21	2.8
6532.00	36.10	3.70	5792.96	2455.12	2455.12	127.93	2458.45	2.98	2.56	120.0
6626.00	35.80	4.60	5869.06	2510.16	2510.16	131.92	2513.62	3.01	0.65	83.6
6720.00	35.90	6.00	5945.25	2564.97	2564.97	137.00	2568.63	3.06	0.88	54.2
6757.00	36.20	6.70	5975.17	2586.61	2586.61	139.41	2590.37	3.09	1.38	0.0
Projection to TD	6805.00	36.20	6.70	6013.90	2614.77	2614.77	142.72	2618.66	3.12	0.00

Merrion O&G Corp.

WELL	Farmington Com #1E	FIELD	NM, San Juan County	STRUCTURE	Merrion O&G Corp.
------	--------------------	-------	---------------------	-----------	-------------------

