

4

MERRION

OIL & GAS

SANTA FE H 20 No. 1

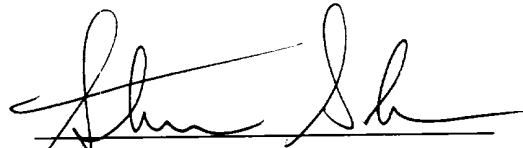
Section 20, T21N, R08W

San Juan County, New Mexico

RECEIVED
SEP 27 1995
OIL CON. DIV.
DIST. 3

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

I, Steven S. Dunn, being first duly sworn, depose and state that the attach 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 this 26th day of September, 1995.



Esther J. Greyeyes
Notary Public

My Commission Expires: August 7th, 1998

CUSTOMER: PDC

WELLSITE: SF20H1

Well Name: SF20H1 8/25/95

Computation Method: 1 (Minimum Curvature)

Plane Of Vert Section 73.00 Height Of TVD Origin Above Field Datum 0.00
 Distance Units used ft Dogleg Base Length Used 100
 Grid Convergence 0.000 Magnetic Declination 11.000

Target 1 has TVD: 5599.00 LAT: 109.64 DEP: 358.61
 Target 2 has TVD: 5599.00 LAT: 438.56 DEP: 1434.46

MD	Inc	Dir	Tvd	Vsec	Lat	Dep	Build	Turn	Dleg	Tool
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
100.0	0.35	346.00	100.0	0.0	0.3	-0.1	0.3	-14.0	0.3	
200.0	0.38	319.79	200.0	-0.1	0.8	-0.4	0.0	-26.2	0.2	
300.0	0.34	214.34	300.0	-0.5	0.9	-0.7	-0.0	-99.0	0.6	
400.0	0.43	218.48	400.0	-1.0	0.3	-1.1	0.1	4.1	0.1	
500.0	0.40	207.50	500.0	-1.6	-0.3	-1.5	-0.0	-11.0	0.1	
600.0	0.48	197.34	600.0	-2.0	-1.0	-1.8	0.1	-10.2	0.1	
700.0	0.48	201.74	700.0	-2.5	-1.8	-2.1	0.0	4.4	0.0	
800.0	0.45	197.33	800.0	-3.0	-2.6	-2.4	-0.0	-4.4	0.0	
900.0	0.54	207.26	900.0	-3.6	-3.3	-2.7	0.1	9.9	0.1	
1000.0	0.36	211.36	1000.0	-4.1	-4.0	-3.1	-0.2	4.1	0.2	
1100.0	0.45	261.09	1100.0	-4.8	-4.4	-3.6	0.1	49.7	0.3	
1200.0	0.74	270.21	1200.0	-5.8	-4.4	-4.7	0.3	9.1	0.3	
1300.0	1.02	275.55	1300.0	-7.2	-4.3	-6.2	0.3	5.3	0.3	
1400.0	1.00	269.49	1399.9	-8.9	-4.3	-8.0	-0.0	-6.1	0.1	
1500.0	1.17	260.66	1499.9	-10.7	-4.4	-9.8	0.2	-8.8	0.2	
1600.0	1.10	254.80	1599.9	-12.7	-4.8	-11.8	-0.1	-5.9	0.1	
1700.0	1.15	251.22	1699.9	-14.6	-5.4	-13.7	0.0	-3.6	0.1	
1800.0	1.18	236.95	1799.9	-16.6	-6.3	-15.5	0.0	-14.3	0.3	
1900.0	1.28	235.88	1899.8	-18.7	-7.5	-17.3	0.1	-1.1	0.1	
2000.0	1.22	237.28	1999.8	-20.8	-8.7	-19.1	-0.1	1.4	0.1	
2100.0	1.34	235.61	2099.8	-22.9	-9.9	-20.9	0.1	-1.7	0.1	
2200.0	1.30	237.02	2199.8	-25.1	-11.2	-22.9	-0.0	1.4	0.1	
2300.0	1.33	235.52	2299.7	-27.3	-12.5	-24.8	0.0	-1.5	0.0	
2400.0	1.24	242.91	2399.7	-29.5	-13.6	-26.7	-0.1	7.4	0.2	
2500.0	1.09	245.79	2499.7	-31.5	-14.5	-28.5	-0.2	2.9	0.2	
2600.0	0.78	240.55	2599.7	-33.1	-15.2	-30.0	-0.3	-5.2	0.3	
2700.0	0.82	244.12	2699.7	-34.5	-15.9	-31.2	0.0	3.6	0.1	
2800.0	0.81	255.02	2799.7	-35.9	-16.4	-32.5	-0.0	10.9	0.2	
2900.0	0.92	298.61	2899.6	-37.2	-16.2	-33.9	0.1	43.6	0.7	
3000.0	1.20	313.84	2999.6	-38.2	-15.1	-35.4	0.3	15.2	0.4	
3100.0	1.45	326.33	3099.6	-39.1	-13.3	-36.8	0.3	12.5	0.4	
3200.0	1.60	329.76	3199.6	-39.8	-11.0	-38.2	0.1	3.4	0.2	
3300.0	1.84	332.74	3299.5	-40.4	-8.4	-39.7	0.2	3.0	0.3	
3400.0	1.87	332.07	3399.5	-41.0	-5.5	-41.2	0.0	-0.7	0.0	

3500.0	1.96	333.09	3499.4	-41.6	-2.6	-42.7	0.1	1.0	0.1
3600.0	1.90	332.95	3599.4	-42.2	0.4	-44.2	-0.1	-0.1	0.1
3700.0	1.69	334.71	3699.3	-42.7	3.2	-45.6	-0.2	1.8	0.2
3800.0	1.54	337.78	3799.3	-43.0	5.8	-46.8	-0.2	3.1	0.2
3900.0	1.61	337.30	3899.2	-43.3	8.4	-47.8	0.1	-0.5	0.1
4000.0	1.68	335.74	3999.2	-43.6	11.0	-49.0	0.1	-1.6	0.1
4100.0	1.91	344.53	4099.1	-43.8	13.9	-50.0	0.2	8.8	0.4
4200.0	2.04	347.06	4199.1	-43.6	17.3	-50.9	0.1	2.5	0.2
4300.0	2.02	351.29	4299.0	-43.2	20.8	-51.5	-0.0	4.2	0.2
4400.0	1.44	7.97	4399.0	-42.4	23.7	-51.6	-0.6	16.7	0.8
4500.0	1.14	23.69	4498.9	-41.2	25.9	-51.0	-0.3	15.7	0.5
4600.0	1.10	23.83	4598.9	-40.0	27.7	-50.3	-0.0	0.1	0.0
4700.0	0.73	31.78	4698.9	-38.9	29.1	-49.5	-0.4	8.0	0.4
4800.0	0.65	16.63	4798.9	-38.1	30.2	-49.0	-0.1	-15.1	0.2
4900.0	0.69	58.08	4898.9	-37.2	31.1	-48.4	0.0	41.5	0.5
5000.0	0.71	63.52	4998.9	-36.0	31.7	-47.3	0.0	5.4	0.1
5100.0	0.51	47.23	5098.9	-35.0	32.2	-46.4	-0.2	-16.3	0.3
5169.0	0.46	109.33	5167.9	-34.5	32.3	-45.9	-0.1	90.0	0.7
5215.0	0.54	67.00	5213.9	-34.1	32.4	-45.5	0.2	-92.0	0.8
5223.0	3.30	67.00	5221.9	-33.8	32.5	-45.3	34.5	0.0	34.5
5226.0	4.02	67.00	5224.9	-33.6	32.5	-45.1	24.0	0.0	24.0
5230.0	4.75	67.00	5228.9	-33.3	32.7	-44.8	18.3	0.0	18.3
5235.0	5.23	67.00	5233.8	-32.9	32.8	-44.4	9.6	0.0	9.6
5240.0	6.16	67.00	5238.8	-32.4	33.0	-44.0	18.6	0.0	18.6
5250.0	7.90	67.00	5248.7	-31.2	33.5	-42.9	17.4	0.0	17.4
5255.0	8.89	67.00	5253.7	-30.5	33.8	-42.2	19.8	0.0	19.8
5265.0	10.58	75.00	5263.5	-28.8	34.3	-40.6	16.9	80.0	21.6
5275.0	12.59	81.96	5273.3	-26.8	34.7	-38.6	20.1	69.6	24.4
5285.0	14.33	82.42	5283.1	-24.5	35.0	-36.3	17.4	4.6	17.4
5300.0	16.84	80.35	5297.5	-20.5	35.6	-32.3	16.7	-13.8	17.1
5315.0	19.53	76.03	5311.8	-15.8	36.6	-27.8	17.9	-28.8	20.0
5335.0	22.75	71.76	5330.4	-8.6	38.6	-20.8	16.1	-21.3	17.8
5350.0	25.39	72.48	5344.1	-2.5	40.5	-15.0	17.6	4.8	17.7
5365.0	27.20	74.75	5357.6	4.1	42.4	-8.6	12.1	15.1	13.8
5380.0	29.54	77.43	5370.8	11.2	44.1	-1.7	15.6	17.9	17.8
5397.0	32.20	80.84	5385.3	19.9	45.7	6.8	15.6	20.1	18.7
5415.0	34.55	78.81	5400.4	29.7	47.5	16.6	13.1	-11.3	14.5
5430.0	35.91	74.70	5412.6	38.4	49.5	25.0	9.1	-27.4	18.2
5445.0	37.70	70.83	5424.6	47.4	52.1	33.6	11.9	-25.8	19.5
5460.0	39.84	68.31	5436.3	56.7	55.4	42.4	14.3	-16.8	17.7
5480.0	42.90	65.78	5451.3	69.9	60.6	54.5	15.3	-12.6	17.4
5500.0	46.32	65.49	5465.6	83.8	66.4	67.3	17.1	-1.5	17.1
5510.0	47.66	65.88	5472.4	91.0	69.4	74.0	13.4	3.9	13.7
5530.0	51.02	67.37	5485.4	106.1	75.4	87.9	16.8	7.5	17.7
5543.0	53.44	68.99	5493.4	116.4	79.2	97.5	18.6	12.5	21.1
5560.0	55.45	71.03	5503.3	130.2	83.9	110.5	11.8	12.0	15.3
5575.0	57.99	72.12	5511.5	142.7	87.9	122.4	16.9	7.3	18.0
5585.0	59.57	72.90	5516.7	151.3	90.5	130.5	15.8	7.8	17.1
5605.0	62.91	74.33	5526.3	168.8	95.4	147.3	16.7	7.1	17.8
5633.0	66.57	76.32	5538.3	194.1	101.8	171.8	13.1	7.1	14.6
5641.0	66.64	77.15	5541.4	201.4	103.5	179.0	0.9	10.4	9.6
5668.0	67.78	77.19	5551.9	226.2	109.0	203.2	4.2	0.1	4.2
5675.0	68.59	76.70	5554.5	232.7	110.5	209.6	11.6	-7.0	13.3
5685.0	69.74	75.79	5558.1	242.0	112.7	218.6	11.5	-9.1	14.3
5695.0	70.43	75.56	5561.5	251.4	115.0	227.8	6.9	-2.3	7.2
5705.0	71.30	75.29	5564.7	260.9	117.4	236.9	8.7	-2.7	9.1
5717.0	72.05	74.96	5568.5	272.3	120.3	247.9	6.3	-2.8	6.8
5720.0	72.18	75.38	5569.4	275.1	121.1	250.7	4.3	14.0	14.0
5727.0	72.78	75.10	5571.5	281.8	122.8	257.1	8.6	-4.0	9.4
5732.0	73.28	74.94	5573.0	286.6	124.0	261.7	10.0	-3.2	10.5
5742.0	74.30	74.81	5575.8	296.2	126.5	271.0	10.2	-1.3	10.3