

30-015-44445

Schlumberger

Oxy Patton MDP1 17 Federal 6H ST01 Gyro+MWD 0-15026' Survey
Geodetic Report
(Def Survey)



Report Date: February 05, 2018 - 04:03 PM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Patton MDP1 17 Federal 6H / Oxy Patton MDP1 17 Federal 6H
Well: Oxy Patton MDP1 17 Federal 6H
Borehole: ST01
UWI / API#: Unknown / Unknown
Survey Name: Oxy Patton MDP1 17 Federal 6H ST01 Gyro+MWD 0-15026'
Survey Date: January 26, 2018
Tort / AHD / DD1 / ERD Ratio: 184.369' / 5653.805 ft / 6.191' / 0.560
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 13' 32.79148", W 103° 47' 30.75637"
Location Grid N/E Y/X: N 446292.770 RUS, E 708771.060 RUS
CRS Grid Convergence Angle: 0.2887°
Grid Scale Factor: 0.9999412
Version / Patch: 2.10.696.0
Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 182.513° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB = 26.5
TVD Reference Elevation: 3539.200 ft above MSL
Seabed / Ground Elevation: 3512.700 ft above MSL
Magnetic Declination: 6.919°
Total Gravity Field Strength: 998.4310mgn (8.0665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48052.459 nT
Magnetic Dip Angle: 59.978°
Declination Date: January 26, 2018
Magnetic Declination Model: HDGM 2017
North Reference: Grid North
Grid Convergence Used: 0.2887°
Total Corr Mag North->Grid North: 6.6305°
Local Coord Referenced To: Well Head

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 05 2018

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Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	446292.77	708771.06	N 32 13 32.79	W 103 47 30.76
RKB	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	446292.77	708771.06	N 32 13 32.79	W 103 47 30.76
	77.62	0.26	334.98	77.62	-0.10	0.11	-0.05	0.51	446292.88	708771.01	N 32 13 32.79	W 103 47 30.76
	168.82	0.32	16.97	168.82	-0.53	0.54	-0.06	0.24	446293.31	708771.00	N 32 13 32.80	W 103 47 30.76
	259.07	0.38	35.74	259.07	-1.03	1.02	0.19	0.14	446293.79	708771.25	N 32 13 32.80	W 103 47 30.75
	353.59	0.05	355.64	353.59	-1.33	1.32	0.37	0.36	446294.09	708771.43	N 32 13 32.80	W 103 47 30.75
	448.23	0.31	248.60	448.23	-1.27	1.26	0.12	0.35	446294.03	708771.18	N 32 13 32.80	W 103 47 30.75
	542.98	0.51	248.44	542.97	-0.99	1.01	-0.51	0.21	446293.78	708770.55	N 32 13 32.80	W 103 47 30.76
	637.68	0.50	257.78	637.67	-0.71	0.77	-1.30	0.09	446293.54	708769.76	N 32 13 32.80	W 103 47 30.77
	732.30	0.42	262.55	732.29	-0.55	0.64	-2.05	0.09	446293.41	708769.01	N 32 13 32.80	W 103 47 30.78
	822.33	0.48	231.32	822.31	-0.24	0.36	-2.67	0.28	446293.13	708768.39	N 32 13 32.80	W 103 47 30.79
	912.87	0.40	256.65	912.85	0.09	0.05	-3.27	0.23	446292.82	708767.79	N 32 13 32.79	W 103 47 30.79
	1004.30	0.37	261.75	1004.28	0.23	-0.06	-3.88	0.05	446292.71	708767.18	N 32 13 32.79	W 103 47 30.80
	1094.92	0.21	282.19	1094.90	0.26	-0.07	-4.33	0.21	446292.70	708766.73	N 32 13 32.79	W 103 47 30.81
	1185.82	0.17	276.92	1185.80	0.22	-0.02	-4.63	0.05	446292.75	708766.43	N 32 13 32.79	W 103 47 30.81
	1275.74	0.15	270.77	1275.72	0.22	0.00	-4.88	0.03	446292.77	708766.18	N 32 13 32.79	W 103 47 30.81
	1366.02	0.12	7.74	1366.00	0.13	0.09	-4.98	0.23	446292.86	708766.08	N 32 13 32.79	W 103 47 30.81
	1460.43	0.17	7.16	1460.41	-0.11	0.33	-4.95	0.05	446293.10	708766.11	N 32 13 32.79	W 103 47 30.81
	1555.01	0.16	26.05	1554.99	-0.37	0.59	-4.88	0.06	446293.36	708766.19	N 32 13 32.80	W 103 47 30.81
	1649.46	0.14	10.91	1649.44	-0.81	0.82	-4.80	0.05	446293.59	708766.26	N 32 13 32.80	W 103 47 30.81
	1743.87	0.17	21.90	1743.85	-0.85	1.06	-4.72	0.04	446293.83	708766.34	N 32 13 32.80	W 103 47 30.81
	1838.34	0.18	20.43	1838.32	-1.13	1.33	-4.62	0.01	446294.10	708766.44	N 32 13 32.80	W 103 47 30.81
	1932.78	0.19	26.99	1932.75	-1.41	1.61	-4.49	0.02	446294.38	708766.57	N 32 13 32.81	W 103 47 30.81
	2027.14	0.18	33.09	2027.11	-1.68	1.87	-4.34	0.02	446294.64	708766.72	N 32 13 32.81	W 103 47 30.81
	2121.74	0.18	28.22	2121.71	-1.94	2.13	-4.19	0.02	446294.90	708766.87	N 32 13 32.81	W 103 47 30.81
	2216.25	0.17	318.16	2216.22	-2.17	2.36	-4.22	0.22	446295.13	708766.94	N 32 13 32.82	W 103 47 30.81
	2310.95	0.11	292.64	2310.92	-2.30	2.50	-4.40	0.09	446295.27	708766.66	N 32 13 32.82	W 103 47 30.81
	2405.56	0.11	285.49	2405.53	-2.35	2.56	-4.57	0.01	446295.33	708766.49	N 32 13 32.82	W 103 47 30.81
	2500.23	0.12	307.01	2500.20	-2.43	2.64	-4.74	0.05	446295.41	708766.32	N 32 13 32.82	W 103 47 30.81
	2594.76	0.11	324.79	2594.73	-2.56	2.77	-4.87	0.04	446295.54	708766.19	N 32 13 32.82	W 103 47 30.81
	2689.31	0.14	302.42	2689.28	-2.69	2.91	-5.02	0.06	446295.68	708766.04	N 32 13 32.82	W 103 47 30.81
	2783.85	0.16	284.99	2783.82	-2.77	3.01	-5.24	0.05	446295.78	708765.82	N 32 13 32.82	W 103 47 30.82
	2878.37	0.13	308.71	2878.34	-2.87	3.11	-5.45	0.07	446295.87	708765.61	N 32 13 32.82	W 103 47 30.82
	2973.02	0.09	289.00	2972.99	-2.95	3.20	-5.61	0.06	446295.97	708765.45	N 32 13 32.82	W 103 47 30.82
	3067.54	0.08	300.10	3067.51	-3.01	3.26	-5.73	0.02	446296.03	708765.33	N 32 13 32.82	W 103 47 30.82
	3162.15	0.11	323.83	3162.12	-3.11	3.37	-5.84	0.05	446296.14	708765.22	N 32 13 32.83	W 103 47 30.82
	3256.83	0.09	140.48	3256.80	-3.12	3.38	-5.85	0.21	446296.15	708765.21	N 32 13 32.83	W 103 47 30.82
	3351.23	0.02	226.87	3351.20	-3.06	3.31	-5.82	0.10	446296.08	708765.24	N 32 13 32.82	W 103 47 30.82
	3445.83	0.18	273.32	3445.80	-3.05	3.31	-5.98	0.18	446296.08	708765.08	N 32 13 32.82	W 103 47 30.83
	3540.52	0.27	258.41	3540.49	-2.99	3.27	-6.34	0.11	446296.04	708764.72	N 32 13 32.82	W 103 47 30.83
	3635.13	0.24	250.51	3635.10	-2.86	3.16	-6.75	0.05	446295.93	708764.31	N 32 13 32.82	W 103 47 30.83
	3729.73	0.21	220.37	3729.70	-2.65	2.97	-7.05	0.13	446295.74	708764.01	N 32 13 32.82	W 103 47 30.84
	3824.13	0.22	186.55	3824.10	-2.34	2.65	-7.18	0.13	446295.42	708763.88	N 32 13 32.82	W 103 47 30.84
	3918.80	0.13	211.82	3918.77	-2.06	2.38	-7.26	0.12	446295.15	708763.80	N 32 13 32.82	W 103 47 30.84
	4013.56	0.34	209.81	4013.53	-1.72	2.05	-7.45	0.22	446294.82	708763.61	N 32 13 32.81	W 103 47 30.84
	4108.04	0.32	230.87	4108.01	-1.29	1.64	-7.80	0.13	446294.41	708763.26	N 32 13 32.81	W 103 47 30.85
	4202.60	0.13	157.40	4202.56	-1.02	1.37	-7.96	0.33	446294.14	708763.10	N 32 13 32.81	W 103 47 30.85
	4297.34	0.10	162.38	4297.30	-0.85	1.19	-7.90	0.03	446293.96	708763.17	N 32 13 32.80	W 103 47 30.85
	4392.28	0.12	98.98	4392.24	-0.76	1.10	-7.77	0.12	446293.87	708763.29	N 32 13 32.80	W 103 47 30.85
	4486.91	0.18	124.03	4486.87	-0.67	1.00	-7.55	0.06	446293.77	708763.51	N 32 13 32.80	W 103 47 30.84
	4581.36	0.20	118.08	4581.32	-0.52	0.84	-7.28	0.03	446293.61	708763.78	N 32 13 32.80	W 103 47 30.84
	4675.68	0.18	109.88	4675.64	-0.40	0.71	-7.00	0.04	446293.48	708764.06	N 32 13 32.80	W 103 47 30.84
	4770.36	0.21	141.93	4770.32	-0.23	0.52	-6.75	0.12	446293.29	708764.31	N 32 13 32.80	W 103 47 30.83
	4864.97	0.23	122.41	4864.93	0.00	0.29	-6.48	0.08	446293.06	708764.58	N 32 13 32.79	W 103 47 30.83
	4959.27	0.20	121.64	4959.23	0.17	0.10	-6.18	0.03	446292.87	708764.88	N 32 13 32.79	W 103 47 30.83
	5053.94	0.21	122.31	5053.90	0.34	-0.08	-5.90	0.01	446292.69	708765.16	N 32 13 32.79	W 103 47 30.83
	5148.41	0.22	112.66	5148.37	0.49	-0.24	-5.58	0.04	446292.53	708765.48	N 32 13 32.79	W 103 47 30.82
	5242.90	0.26	44.73	5242.86	0.39	-0.16	-5.26	0.29	446292.61	708765.80	N 32 13 32.79	W 103 47 30.82
	5337.33	0.17	45.42	5337.29	0.13	0.09	-5.01	0.10	446292.86	708766.05	N 32 13 32.79	W 103 47 30.81
	5432.10	0.30	76.04	5432.06	-0.04	0.25	-4.67	0.19	446293.02	708766.39	N 32 13 32.79	W 103 47 30.81
	5526.92	0.17	4.73	5526.88	-0.25	0.45	-4.42	0.31	446293.22	708766.64	N 32 13 32.80	W 103 47 30.81
	5621.45	0.19	57.77	5621.41	-0.48	0.67	-4.28	0.17	446293.44	708766.78	N 32 13 32.80	W 103 47 30.81
	5716.14	0.18	31.75	5716.10	-0.70	0.88	-4.07	0.09	446293.65	708766.96	N 32 13 32.80	W 103 47 30.80
	5810.76	0.14	54.12	5810.72	-0.90	1.08	-3.89	0.08	446293.85	708767.17	N 32 13 32.80	W 103 47 30.80
	5905.43	0.21	42.13	5905.39	-1.11	1.27	-3.68	0.08	446294.04	708767.38	N 32 13 32.80	W 103 47 30.80
	6000.07	0.17	15.73	6000.03	-1.38	1.54	-3.53	0.10	446294.31	708767.53	N 32 13 32.81	W 103 47 30.80
	6094.68	0.32	282.79	6094.63	-1.56	1.73	-3.75	0.39	446294.50	708767.31	N 32 13 32.81	W 103 47 30.80
	6189.38	0.22	263.14	6189.33	-1.58	1.77	-4.19	0.14	446294.54	708766.87	N 32 13 32.81	W 103 47 30.81
	6284.16	0.54	247.38	6284.11	-1.36	1.57	-4.78	0.35	446294.34	708766.28	N 32 13 32.81	W 103 47 30.81
	6378.79	1.21	245.89	6378.73	-0.72	0.99	-6.10	0.71	446293.76	708764.96	N 32 13 32.80	W 103 47 30.83
	6473.50	1.79	244.17	6473.41	0.43	-0.06	-8.35	0.61	446292.71	708762.71	N 32 13 32.79	W 103 47 30.85
	6568.32	2.96	238.16	6568.14	2.52	-2.01	-11.77	1.28	446290.76	708759.29	N 32 13 32.77	W 103 47 30.89
	6663.04	4.63	237.26	6662.65	6.12	-5.37	-17.08	1.74	446287.40	708753.98	N 32 13 32.74	W 103 47 30.96
	6757.83	5.62	238.47	6757.06	10.92	-9.87	-24.26	1.05	446282.90	708746.80	N 32 13 32.70	W 103 47 31.04
	6852.26	6.93	236.25	6850.04	16.88	-15.45	-32.94	1.41	446277.32	708738.13	N 32 13 32.64	W 103 47 31.14
	6946.98	7.71	231.99	6944.87	24.39	-22.54	-42.69	1.00				

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
	7231.02	7.22	219.71	7226.66	49.77	-46.79	-68.80	0.80	446245.98	708702.26	N 32 13 32.33	W 103 47 31.56
	7325.78	6.64	213.65	7320.73	59.20	-55.94	-75.64	0.98	446236.84	708695.43	N 32 13 32.24	W 103 47 31.64
	7420.55	7.40	210.41	7414.78	69.28	-65.76	-81.77	0.90	446227.01	708689.30	N 32 13 32.14	W 103 47 31.71
	7515.32	7.65	206.85	7508.74	80.42	-76.65	-87.70	0.56	446216.12	708683.36	N 32 13 32.04	W 103 47 31.78
	7609.96	7.22	204.81	7602.58	91.67	-87.67	-93.04	0.53	446205.11	708678.02	N 32 13 31.93	W 103 47 31.84
	7704.52	7.13	203.39	7696.40	102.65	-98.45	-97.87	0.21	446194.33	708673.20	N 32 13 31.82	W 103 47 31.90
	7799.09	6.76	201.48	7790.28	113.39	-109.02	-102.24	0.46	446183.76	708668.83	N 32 13 31.72	W 103 47 31.95
	7893.67	7.38	206.07	7884.14	124.23	-119.65	-106.94	0.89	446173.12	708664.12	N 32 13 31.61	W 103 47 32.01
	7988.39	6.08	207.52	7978.21	134.35	-129.57	-111.93	1.38	446163.21	708659.13	N 32 13 31.51	W 103 47 32.07
	8082.94	6.47	212.39	8072.19	143.51	-138.51	-117.10	0.70	446154.27	708653.97	N 32 13 31.43	W 103 47 32.13
	8177.45	6.42	218.94	8166.10	152.38	-147.11	-123.28	0.78	446145.67	708647.79	N 32 13 31.34	W 103 47 32.20
	8272.15	6.39	221.37	8260.21	160.74	-155.18	-130.09	0.29	446137.59	708640.98	N 32 13 31.26	W 103 47 32.28
	8366.93	8.33	224.34	8354.41	168.74	-162.88	-137.22	0.35	446129.90	708633.84	N 32 13 31.19	W 103 47 32.36
	8461.67	6.10	228.62	8448.59	178.25	-170.07	-144.53	0.36	446122.71	708626.54	N 32 13 31.12	W 103 47 32.45
	8556.39	6.12	231.90	8542.78	183.15	-176.64	-152.16	0.59	446116.14	708618.91	N 32 13 31.05	W 103 47 32.54
	8651.14	6.28	234.32	8636.97	189.64	-182.78	-160.35	0.32	446110.00	708610.72	N 32 13 30.98	W 103 47 32.63
	8745.94	6.33	235.29	8731.20	196.01	-188.78	-168.86	0.12	446104.00	708602.21	N 32 13 30.95	W 103 47 32.73
	8840.31	6.21	238.13	8825.00	202.03	-194.44	-177.47	0.35	446098.24	708593.60	N 32 13 30.88	W 103 47 32.83
	8934.90	6.32	246.24	8919.03	207.23	-198.24	-186.58	0.94	446093.54	708584.49	N 32 13 30.83	W 103 47 32.94
	9029.55	6.35	248.25	9013.10	211.69	-203.28	-196.21	0.24	446089.50	708574.87	N 32 13 30.79	W 103 47 33.05
	9124.00	6.80	243.12	9106.95	216.50	-207.67	-205.90	0.67	446085.11	708565.17	N 32 13 30.75	W 103 47 33.17
	9218.54	6.47	233.44	9200.88	222.52	-213.30	-215.02	1.17	446079.49	708556.05	N 32 13 30.69	W 103 47 33.27
	9312.93	6.59	223.61	9294.66	229.95	-220.39	-223.03	1.19	446072.40	708548.04	N 32 13 30.62	W 103 47 33.37
	9407.58	6.44	215.53	9388.70	238.50	-228.64	-229.86	0.98	446064.14	708541.21	N 32 13 30.54	W 103 47 33.45
	9502.22	7.03	208.17	9482.69	248.12	-238.02	-235.77	1.00	446054.77	708535.30	N 32 13 30.45	W 103 47 33.51
	9598.89	23.06	183.96	9573.89	272.01	-261.74	-239.90	17.91	446031.04	708531.17	N 32 13 30.21	W 103 47 33.56
	9691.53	34.52	185.71	9658.69	317.47	-307.07	-243.87	12.14	445995.72	708527.21	N 32 13 29.77	W 103 47 33.61
	9786.19	45.85	186.07	9728.89	378.34	-367.73	-250.15	11.97	445925.07	708520.93	N 32 13 29.17	W 103 47 33.69
	9880.90	54.04	181.74	9789.80	450.72	-439.97	-254.91	9.33	445852.83	708516.16	N 32 13 28.45	W 103 47 33.75
	9975.55	54.87	180.20	9844.83	527.70	-516.97	-256.21	1.59	445775.83	708514.87	N 32 13 27.69	W 103 47 33.77
	10070.31	54.09	179.98	9899.88	604.76	-594.09	-256.33	0.84	445698.71	708514.74	N 32 13 26.93	W 103 47 33.78
	10164.93	64.98	183.43	9947.80	686.17	-675.47	-258.89	11.93	445617.34	708512.18	N 32 13 26.12	W 103 47 33.81
	10261.77	79.65	179.78	9977.14	778.15	-767.43	-261.35	15.57	445525.39	708508.73	N 32 13 25.21	W 103 47 33.84
	10351.00	80.85	179.08	9986.16	830.53	-819.89	-260.83	2.60	445472.93	708510.25	N 32 13 24.69	W 103 47 33.84
	10441.00	81.09	178.62	9990.24	856.16	-845.56	-260.31	1.98	445447.26	708510.77	N 32 13 24.44	W 103 47 33.84
	10435.00	82.89	178.66	10003.34	949.03	-938.61	-258.10	1.92	445354.22	708512.97	N 32 13 23.52	W 103 47 33.82
	10530.00	84.28	179.27	10013.95	1043.25	-1033.00	-256.40	1.60	445259.83	708514.68	N 32 13 22.58	W 103 47 33.80
	10625.00	84.07	178.90	10023.59	1137.59	-1127.50	-254.89	0.45	445165.34	708516.10	N 32 13 21.65	W 103 47 33.79
	10719.00	85.66	179.09	10032.00	1231.03	-1221.10	-253.25	1.70	445071.74	708517.83	N 32 13 20.72	W 103 47 33.78
	10814.00	86.84	179.74	10038.22	1325.69	-1315.89	-252.28	1.42	444976.96	708518.80	N 32 13 19.78	W 103 47 33.77
	10909.00	88.14	179.84	10042.38	1420.49	-1410.80	-251.93	1.37	444882.06	708519.14	N 32 13 18.84	W 103 47 33.77
	11003.00	88.31	179.90	10045.29	1514.34	-1504.75	-251.72	0.19	444788.11	708519.36	N 32 13 17.91	W 103 47 33.77
	11098.00	89.69	180.35	10048.61	1704.14	-1694.72	-252.13	0.76	444596.16	708518.94	N 32 13 16.93	W 103 47 33.79
	11382.00	89.69	180.01	10048.63	1892.98	-1883.71	-252.73	0.18	444406.17	708518.35	N 32 13 14.16	W 103 47 33.81
	11571.00	89.79	179.62	10050.49	2081.77	-2072.71	-252.12	0.21	444220.19	708518.96	N 32 13 12.29	W 103 47 33.81
	11666.00	89.78	180.03	10050.86	2176.66	-2167.71	-251.83	0.43	444125.19	708519.25	N 32 13 11.35	W 103 47 33.81
	11761.00	88.97	179.53	10051.91	2271.55	-2262.70	-251.48	0.98	444030.21	708519.61	N 32 13 10.41	W 103 47 33.82
	11856.00	89.69	180.49	10054.12	2460.35	-2451.68	-251.49	0.53	443841.24	708519.58	N 32 13 8.54	W 103 47 33.83
	12045.00	90.55	180.47	10053.92	2555.29	-2546.68	-252.29	0.91	443746.25	708519.79	N 32 13 7.60	W 103 47 33.84
	12138.00	90.65	180.50	10052.94	2649.23	-2640.67	-253.09	0.11	443652.26	708517.99	N 32 13 6.67	W 103 47 33.86
	12234.00	90.55	180.54	10051.94	2744.17	-2735.66	-253.95	0.11	443557.27	708517.13	N 32 13 5.73	W 103 47 33.87
	12329.00	91.17	179.29	10050.52	2839.05	-2830.65	-253.81	1.47	443462.29	708517.27	N 32 13 4.79	W 103 47 33.88
	12423.00	87.63	179.27	10051.50	2932.88	-2924.62	-252.63	3.77	443368.33	708518.45	N 32 13 3.86	W 103 47 33.87
	12512.00	83.06	182.66	10058.73	3021.52	-3013.28	-254.11	6.39	443279.68	708516.97	N 32 13 2.90	W 103 47 33.89
	12597.00	88.07	185.08	10065.30	3106.21	-3097.80	-259.84	6.55	443195.16	708511.23	N 32 13 2.15	W 103 47 33.96
	12691.00	90.31	183.89	10066.63	3200.14	-3191.49	-267.20	2.70	443101.47	708503.88	N 32 13 2.22	W 103 47 34.05
	12786.00	90.00	182.65	10066.37	3295.13	-3286.33	-272.62	1.35	443006.64	708496.46	N 32 13 0.29	W 103 47 34.12
	12880.00	89.66	180.72	10066.65	3389.11	-3380.29	-275.38	2.08	442912.69	708495.70	N 32 12 59.36	W 103 47 34.16
	12975.00	89.11	181.25	10067.67	3484.07	-3475.27	-277.01	0.80	442817.71	708494.06	N 32 12 58.42	W 103 47 34.18
	13069.00	88.62	181.74	10069.53	3578.04	-3569.22	-279.47	0.74	442723.77	708491.61	N 32 12 57.49	W 103 47 34.22
	13164.00	90.21	180.95	10070.50	3673.01	-3664.18	-281.70	1.87	442628.81	708489.38	N 32 12 56.55	W 103 47 34.25
	13258.00	88.42	177.94	10071.62	3766.85	-3758.16	-280.79	3.73	442534.84	708490.29	N 32 12 55.62	W 103 47 34.24
	13353.00	89.62	177.57	10073.25	3861.52	-3853.07	-277.15	1.29	442439.93	708493.93	N 32 12 54.68	W 103 47 34.21
	13447.00	91.20	177.47	10072.58	3955.16	-3946.98	-273.16	1.89	442346.03	708497.91	N 32 12 53.75	W 103 47 34.17
	13542.00	90.41	178.31	10071.24	4049.84	-4041.91	-269.67	1.21	442251.11	708501.41	N 32 12 52.81	W 103 47 34.13
	13637.00	89.24	179.35	10071.53	4144.64	-4136.88	-267.73	1.65	442156.14	708503.35	N 32 12 51.87	W 103 47 34.12
	13731.00	88.18	179.90	10073.85	4238.50	-4230.85	-267.11	1.27	442062.17	708503.97	N 32 12 50.94	W 103 47 34.11
	13826.00	89.62	178.79	10075.47	4333.33	-4325.83	-266.02	1.91	441967.21	708505.05	N 32 12 50.00	W 103 47 34.11
	13921.00	87.28	178.30	10078.04	4428.06	-4420.75	-263.61	2.52	441872.28	708507.46	N 32 12 49.06	W 103 47 34.08
	14015.00	89.11	178.84	10081.00	4521.68	-4514.62	-259.63	2.49	441778.43	708511.45	N 32 12 48.13	W 103 47 34.04
	14110.00	88.21	178.24	10083.22	4616.12	-4609.42	-253.90	1.14	441683.63	708517.18	N 32 12 47.19	W 103 47 33.98
	14205.00	88.21	175.48	10088.19	4710.43	-4704.12	-247.04	0.80	441588.63	708524.03	N 32 12 46.26	W 103 47 33.91
	14299.00	88.59	176.37	10088.62	4803.77	-4797.85	-240.37	1.03	441495.22	708530.71	N 32 12 45.33	W 103 47 33.84
	14394.00	89.80	178.02	10090.07	4898.35	-4892.72	-235.72	2.22	441400.35	708535.36	N 32 12 44.39	W 103 47 33.79
	14489.00	91.51	178.51	10098.90	4993.08	-4987.66	-232.84	1.77	441305.41	708538.23	N 32 12 43.45	W 103 47 33.76
	14583.00	89.79	177.51	10097.83	5086.78	-5081.60	-229.58	2.1				

Schlumberger

OXY



Borehole:	ST01	Well:	Oxy Patton MDP1 17 Federal 6H	Field:	NM Eddy County (NAD 83)	Structure:	Oxy Patton MDP1 17 Federal 6H
Gravity & Magnetic Parameters		Surface Location		Miscellaneous			
Model:	HQDM 2017	Dip:	55.978°	Date:	25-Jan-2018	Lat:	N 32 13 32.79
MagDec:	6.919°	FS:	48982.458nT	Gravity FS:	996.431mgN (8.80885 Based)	Northings:	446292.77m
						Grid Conv:	0.2897°
						Scale Fact:	0.9999412
						Plan:	Oxy Patton MDP1 17 Federal 6H ST01 REV1 ALS 29Jan18
						Slot:	Oxy Patton MDP1 17 Federal 6H
						RKB:	26.5(3559.2ft above MSL)

