

Oxy Cal-Mon MDP1 35 Federal 5H Gyro+MWD 0-14,842' Survey Geodetic Report

(Def Survey)



30-013-44775

Report Date: April 19, 2018 - 08:55 AM
 Client: OXY
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Oxy Cal-Mon MDP1 35 Federal 5H / Oxy Cal-Mon MDP1 35 Federal 5H
 Well: Oxy Cal-Mon MDP1 35 Federal 5H
 Borehole: Original Borehole
 UTM / API#: Unknown / 30-013-44775
 Survey Name: Oxy Cal-Mon MDP1 35 Federal 5H Gyro+MWD 0-14,842'
 Survey Date: April 08, 2018
 Tort / AHD / DDI / ERD Ratio: 161.256 * / 5056.444 ft / 6.076 / 0.498
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 16' 4.34706", W 103° 44' 38.12757"
 Location Grid N/E Y/X: N 461688.890 NUS, E 723687.170 NUS
 CRS Grid Convergence Angle: 0.3150 *
 Grid Scale Factor: 0.99994717
 Version / Patch: 2.10.715.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 182.383 * (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB=26.5'
 TVD Reference Elevation: 3494.600 ft above MSL
 Seabed / Ground Elevation: 3468.100 ft above MSL
 Magnetic Declination: 6.897 *
 Total Gravity Field Strength: 998.4459mgn (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48066.003 nT
 Magnetic Dip Angle: 60.018 *
 Declination Date: April 08, 2018
 Magnetic Declination Model: HDGM 2018
 North Reference: Grid North
 Grid Convergence Used: 0.3150 *
 Total Corr Mag North-Grid: 6.5818 *
 North: Well Head
 Local Coord Referenced To:

Comments	MD (ft)	Incl (°)	Azin Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (NUS)	Easting (EUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
RKB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	461688.89	723687.17	N 32 16 4.35	W 103 44 38.13
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	461688.89	723687.17	N 32 16 4.35	W 103 44 38.13
	77.20	0.25	132.01	77.20	0.07	-0.07	0.08	0.49	461688.82	723687.25	N 32 16 4.35	W 103 44 38.13
	169.00	0.37	136.71	169.00	0.41	-0.42	0.43	0.13	461688.47	723687.60	N 32 16 4.34	W 103 44 38.12
	261.30	0.48	153.85	261.30	0.95	-0.99	0.81	0.18	461685.90	723687.98	N 32 16 4.34	W 103 44 38.12
	352.80	0.41	171.69	352.79	1.61	-1.66	1.03	0.17	461685.23	723688.20	N 32 16 4.33	W 103 44 38.12
	445.00	0.35	197.76	444.99	2.21	-2.25	0.99	0.20	461684.64	723688.16	N 32 16 4.32	W 103 44 38.12
	537.50	0.42	201.87	537.49	2.80	-2.83	0.77	0.08	461684.06	723687.94	N 32 16 4.32	W 103 44 38.12
	629.30	0.48	220.00	629.29	3.42	-3.44	0.40	0.17	461683.45	723687.57	N 32 16 4.31	W 103 44 38.12
	720.60	0.54	223.67	720.58	4.05	-4.05	-0.14	0.07	461682.85	723687.03	N 32 16 4.31	W 103 44 38.13
	811.80	0.68	232.19	811.78	4.72	-4.69	-0.87	0.18	461682.20	723686.30	N 32 16 4.30	W 103 44 38.14
	903.70	0.19	222.76	903.67	5.19	-5.13	-1.40	0.54	461681.76	723685.77	N 32 16 4.30	W 103 44 38.14
	998.30	0.04	252.67	998.27	5.32	-5.26	-1.54	0.17	461681.63	723685.63	N 32 16 4.30	W 103 44 38.15
	1092.60	0.08	273.18	1092.57	5.33	-5.27	-1.63	0.05	461681.63	723685.54	N 32 16 4.30	W 103 44 38.15
	1187.40	0.07	262.30	1187.37	5.34	-5.27	-1.76	0.02	461681.62	723685.41	N 32 16 4.30	W 103 44 38.15
	1282.20	0.07	270.10	1282.17	5.35	-5.28	-1.87	0.01	461681.61	723685.30	N 32 16 4.29	W 103 44 38.15
	1377.10	0.07	265.74	1377.07	5.36	-5.28	-1.99	0.01	461681.61	723685.18	N 32 16 4.29	W 103 44 38.15
	1471.90	0.07	273.31	1471.87	5.36	-5.28	-2.10	0.01	461681.61	723685.07	N 32 16 4.29	W 103 44 38.15
	1566.60	0.06	265.72	1566.57	5.37	-5.28	-2.21	0.01	461681.61	723684.96	N 32 16 4.29	W 103 44 38.15
	1660.90	0.06	256.31	1660.87	5.39	-5.30	-2.31	0.01	461681.59	723684.86	N 32 16 4.29	W 103 44 38.15
	1755.70	0.05	266.45	1755.67	5.41	-5.31	-2.40	0.01	461681.58	723684.77	N 32 16 4.29	W 103 44 38.16
	1850.40	0.06	271.35	1850.37	5.41	-5.31	-2.49	0.01	461681.58	723684.68	N 32 16 4.29	W 103 44 38.16
	1945.20	0.06	247.88	1945.17	5.43	-5.33	-2.59	0.03	461681.56	723684.59	N 32 16 4.29	W 103 44 38.16
	2039.90	0.05	251.79	2039.87	5.47	-5.36	-2.67	0.01	461681.53	723684.50	N 32 16 4.29	W 103 44 38.16
	2134.40	0.05	267.05	2134.37	5.49	-5.38	-2.75	0.01	461681.51	723684.42	N 32 16 4.29	W 103 44 38.16
	2228.70	0.07	263.67	2228.67	5.50	-5.39	-2.85	0.02	461681.50	723684.32	N 32 16 4.29	W 103 44 38.16
	2323.50	0.06	246.60	2323.47	5.53	-5.41	-2.95	0.02	461681.48	723684.22	N 32 16 4.29	W 103 44 38.16
	2418.40	0.05	253.04	2418.37	5.57	-5.44	-3.04	0.01	461681.45	723684.13	N 32 16 4.29	W 103 44 38.16
	2513.10	0.06	251.77	2513.07	5.60	-5.47	-3.12	0.01	461681.42	723684.05	N 32 16 4.29	W 103 44 38.16
	2607.70	0.06	260.47	2607.67	5.62	-5.50	-3.22	0.01	461681.39	723683.95	N 32 16 4.29	W 103 44 38.17
	2702.30	0.06	267.49	2702.27	5.64	-5.51	-3.32	0.01	461681.38	723683.85	N 32 16 4.29	W 103 44 38.17
	2797.20	0.06	253.88	2797.17	5.66	-5.52	-3.42	0.01	461681.37	723683.75	N 32 16 4.29	W 103 44 38.17
	2891.90	0.06	244.06	2891.87	5.70	-5.56	-3.51	0.01	461681.33	723683.66	N 32 16 4.29	W 103 44 38.17
	2986.80	0.06	243.21	2986.77	5.75	-5.60	-3.60	0.00	461681.29	723683.57	N 32 16 4.29	W 103 44 38.17
	3081.60	0.05	255.37	3081.57	5.78	-5.63	-3.68	0.02	461681.26	723683.49	N 32 16 4.29	W 103 44 38.17
	3176.40	0.06	226.88	3176.37	5.83	-5.68	-3.76	0.03	461681.21	723683.41	N 32 16 4.29	W 103 44 38.17
	3271.20	0.03	208.87	3271.17	5.89	-5.73	-3.81	0.03	461681.16	723683.38	N 32 16 4.29	W 103 44 38.17
	3365.90	0.02	308.86	3365.87	5.90	-5.75	-3.83	0.04	461681.14	723683.34	N 32 16 4.29	W 103 44 38.17
	3460.70	0.06	285.90	3460.67	5.88	-5.72	-3.89	0.04	461681.17	723683.28	N 32 16 4.29	W 103 44 38.17
	3555.40	0.06	158.82	3555.37	5.91	-5.75	-3.92	0.11	461681.14	723683.25	N 32 16 4.29	W 103 44 38.17
	3650.00	0.03	174.87	3649.97	5.88	-5.83	-3.90	0.03	461681.07	723683.27	N 32 16 4.29	W 103 44 38.17
	3744.70	0.02	210.43	3744.67	6.02	-5.88	-3.91	0.02	461681.03	723683.26	N 32 16 4.29	W 103 44 38.17
	3839.50	0.04	219.84	3839.47	6.06	-5.90	-3.94	0.02	461680.99	723683.23	N 32 16 4.29	W 103 44 38.17
	3934.30	0.01	168.26	3934.27	6.10	-5.94	-3.96	0.04	461680.95	723683.21	N 32 16 4.29	W 103 44 38.17
	4029.10	0.01	168.28	4029.07	6.11	-5.95	-3.95	0.00	461680.94	723683.22	N 32 16 4.29	W 103 44 38.17
	4123.70	0.02	181.88	4123.67	6.14	-5.98	-3.95	0.01	461680.91	723683.22	N 32 16 4.29	W 103 44 38.17
	4218.60	0.04	245.90	4218.57	6.17	-6.01	-3.98	0.04	461680.88	723683.19	N 32 16 4.29	W 103 44 38.17
	4313.20	0.06	234.58	4313.17	6.21	-6.05	-4.05	0.02	461680.84	723683.12	N 32 16 4.29	W 103 44 38.18
	4407.90	0.10	233.85	4407.87	6.30	-6.13	-4.16	0.04	461680.78	723683.01	N 32 16 4.29	W 103 44 38.18
	4502.70	0.09	237.67	4502.67	6.38	-6.22	-4.29	0.01	461680.67	723682.88	N 32 16 4.29	W 103 44 38.18
	4597.40	0.09	256.38	4597.37	6.45	-6.27	-4.42	0.03	461680.62	723682.75	N 32 16 4.29	W 103 44 38.18
	4692.10	0.05	228.81	4692.07	6.50	-6.32	-4.53	0.05	461680.57	723682.64	N 32 16 4.28	W 103 44 38.18
	4786.90	0.04	25.75	4786.87	6.50	-6.32	-4.54	0.09	461680.57	723682.63	N 32 16 4.28	W 103 44 38.18
	4881.70	0.04	312.95	4881.67	6.45	-6.28	-4.55	0.05	461680.53	723682.62	N 32 16 4.29	W 103 44 38.18
	4976.50	0.09	291.97	4976.47	6.40	-6.21	-4.65	0.06	461680.58	723682.52	N 32 16 4.29	W 103 44 38.18
	5071.20	0.10	284.35	5071.17	6.36	-6.18	-4.80	0.02	461680.73	723682.37	N 32 16 4.29	W 103 44 38.18
	5166.00	0.10	283.21	5165.97	6.33	-6.13	-4.95	0.00	461680.76	723682.21	N 32 16 4.29	W 103 44 38.19
	5260.90	0.14	292.13	5260.87	6.27	-6.08	-5.15	0.05	461680.83	723682.02	N 32 16 4.29	W 103 44 38.19
	5355.60	0.17	267.81	5355.57	6.24	-6.02	-5.39	0.08	461680.87	723681.78	N 32 16 4.29	W 103 44 38.19
	5450.30	0.22	268.98	5450.27	6.27	-6.03	-5.72	0.05	461680.86	723681.45	N 32 16 4.29	W 103 44 38.19
	5545.10	0.11	242.95	5545.07	6.32	-6.08	-5.98	0.14	461680.81	723681.19	N 32 16 4.29	W 103 44 38.20
	5639.70	0.07	222.73	5639.67	6.41	-6.16	-6.10	0.05	461680.73	723681.07	N 32 16 4.29	W 103 44 38.20
	5734.30	0.07	279.24	5734.27	6.45	-6.19	-6.19	0.07	461680.70	723680.98	N 32 16 4.29	W 103 44 38.20
	5829.00	0.07	253.83	5828.97	6.46	-6.20	-6.31	0.03	461680.69	723680.86	N 32 16 4.29	W 103 44 38.20
	5923.70	0.09	247.96	5923.67	6.51	-6.25	-6.43	0.04	461680.64	723680.74	N 32 16 4.29	W 103 44 38.20
	6018.40	0.12	262.54	6018.37	6.56	-6.29	-6.60	0.02	461680.60	723680.57	N 32 16 4.29	W 103 44 38.20
	6113.00	0.10	282.58	6112.97	6.56	-6.28	-6.78	0.05	461680.61	723680.39	N 32 16 4.29	W 103 44 38.21
	6207.30	0.11	327.13	6207.27	6.47	-6.19	-6.91	0.08	461680.70	723680.26	N 32 16 4.29	W 103 44 38.21
	6302.10	0.06	297.49	6302.07	6.37	-6.09	-7.00	0.07	461680.80	723680.17	N 32 16 4.29	W 103 44 38.21
	6396.80	0.06	224.87	6396.77	6.39	-6.10	-7.08	0.08	461680.79	723680.09	N 32 16 4.29	W 103 44 38.21
	6491.50	0.10	195.85	6491.47	6.51	-6.21	-7.14	0.08	461680.68	723680.03	N 32 16 4.29	W 103 44 38.21
	6586.20	0.11	90.69	6586.17	6.58	-6.30	-7.07	0.18	461680.59	723680.10	N 32 16 4.29	W 103 44 38.21
	6681.00	0.11	102.20	6680.97	6.60	-6.32	-6.89	0.02	461680.57	723680.28	N 32 16 4.28	W 103 44 38.21
	6775.50	0.09	71.17	6775.47	6.59	-6.31	-6.73	0.06	461680.58	723680.44	N 32 16 4.28	W 103 44 38.21
	6870.10	0.18	39.84	6870.07	6.44	-6.17	-6.56	0.12	461680.72	723680.61	N 32 16 4.29	W 103 44 38.20
	6964.60	0.15	28.07	6964.57	6.21	-5.95	-6.41	0.05				

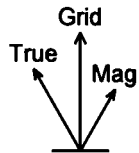
Comments	MD (ft)	Incl (°)	Azimuth (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	7248.10	0.09	207.74	7248.07	6.12	-5.84	-6.81	0.15	461681.05	723680.36	N 32 16 4.29 W 103 44 36.21	
	7342.80	0.15	158.28	7342.57	6.30	-6.02	-6.80	0.12	461680.87	723680.37	N 32 16 4.29 W 103 44 36.21	
	7437.00	0.17	122.84	7436.97	6.48	-6.21	-6.84	0.11	461680.68	723680.53	N 32 16 4.29 W 103 44 36.21	
	7531.80	0.15	149.55	7531.57	6.66	-6.40	-6.46	0.08	461680.49	723680.71	N 32 16 4.28 W 103 44 36.20	
	7626.40	0.13	152.21	7626.37	6.86	-6.60	-6.34	0.02	461680.29	723680.83	N 32 16 4.28 W 103 44 36.20	
	7721.20	0.05	168.72	7721.17	6.99	-6.73	-6.28	0.09	461680.16	723680.89	N 32 16 4.28 W 103 44 36.20	
	7815.70	0.02	99.26	7815.67	7.03	-6.78	-6.26	0.05	461680.11	723680.91	N 32 16 4.28 W 103 44 36.20	
	7910.50	0.03	95.69	7910.47	7.04	-6.78	-6.22	0.01	461680.11	723680.95	N 32 16 4.28 W 103 44 36.20	
	8005.20	0.07	144.16	8005.17	7.08	-6.83	-6.16	0.06	461680.06	723681.01	N 32 16 4.28 W 103 44 36.20	
	8100.10	0.02	196.63	8100.07	7.14	-6.89	-6.13	0.06	461680.00	723681.04	N 32 16 4.28 W 103 44 36.20	
	8194.80	0.07	283.94	8194.77	7.15	-6.90	-6.19	0.08	461679.99	723680.98	N 32 16 4.28 W 103 44 36.20	
	8289.50	0.19	265.65	8289.47	7.15	-6.89	-6.41	0.13	461680.00	723680.76	N 32 16 4.28 W 103 44 36.20	
	8384.20	0.61	205.64	8384.16	7.64	-7.36	-6.78	0.57	461679.53	723680.39	N 32 16 4.27 W 103 44 36.21	
	8479.00	0.52	210.28	8478.96	8.48	-8.19	-7.22	0.11	461678.70	723679.95	N 32 16 4.27 W 103 44 36.21	
	8573.80	0.18	261.83	8573.76	8.89	-8.68	-7.58	0.46	461678.31	723679.59	N 32 16 4.26 W 103 44 36.22	
	8668.70	0.22	243.50	8668.66	9.00	-8.68	-7.89	0.08	461677.78	723679.28	N 32 16 4.26 W 103 44 36.23	
	8763.40	0.56	223.42	8763.35	9.44	-9.10	-8.37	0.38	461677.78	723677.75	N 32 16 4.25 W 103 44 36.24	
	8858.20	0.93	250.74	8858.15	10.07	-9.69	-9.42	0.53	461677.10	723678.05	N 32 16 4.25 W 103 44 36.26	
	8953.00	1.19	278.89	8952.93	10.25	-9.79	-11.12	0.61	461677.40	723678.71	N 32 16 4.25 W 103 44 36.28	
	9047.70	1.37	276.09	9047.60	10.04	-9.49	-13.66	0.51	461677.40	723678.71	N 32 16 4.25 W 103 44 36.28	
	9142.50	1.69	265.94	9142.36	10.11	-9.45	-16.23	0.31	461677.40	723678.04	N 32 16 4.25 W 103 44 36.32	
	9237.30	1.18	252.77	9237.13	10.60	-9.83	-18.55	0.84	461677.06	723668.62	N 32 16 4.25 W 103 44 36.34	
	9331.70	1.01	224.04	9331.51	11.54	-10.72	-20.06	0.60	461676.17	723667.11	N 32 16 4.24 W 103 44 36.38	
	9425.90	1.58	216.06	9425.69	13.25	-12.37	-21.40	0.63	461674.52	723665.77	N 32 16 4.23 W 103 44 36.38	
	9520.00	4.65	240.15	9519.84	16.36	-15.31	-25.48	3.48	461671.58	723661.70	N 32 16 4.20 W 103 44 36.43	
	9614.30	16.59	237.84	9612.16	26.07	-24.42	-40.24	12.67	461662.48	723646.93	N 32 16 4.11 W 103 44 36.60	
	9708.60	28.71	233.33	9699.03	48.05	-45.19	-69.92	12.97	461641.71	723617.26	N 32 16 3.90 W 103 44 36.94	
	9803.20	38.02	218.95	9778.11	86.52	-82.20	-105.81	13.62	461604.70	723581.37	N 32 16 3.54 W 103 44 37.37	
	9897.80	40.13	204.10	9851.87	138.93	-133.40	-135.82	8.83	461553.50	723551.36	N 32 16 3.03 W 103 44 37.72	
	9992.10	44.08	199.82	9821.83	198.49	-192.03	-159.37	5.18	461494.87	723527.81	N 32 16 2.46 W 103 44 38.00	
Lost Gyro	10087.30	50.87	198.94	9885.94	265.55	-258.19	-182.61	7.16	461428.72	723504.57	N 32 16 1.80 W 103 44 38.27	
	10143.00	55.35	193.90	10019.39	308.75	-300.90	-195.13	10.82	461388.01	723492.05	N 32 16 1.38 W 103 44 38.42	
	10238.00	63.14	193.88	10067.93	388.69	-380.09	-214.70	8.20	461306.82	723472.46	N 32 16 0.60 W 103 44 38.65	
	10332.00	72.15	188.70	10103.66	474.47	-465.25	-231.56	10.84	461221.67	723455.63	N 32 15 59.76 W 103 44 38.85	
	10427.00	82.75	185.57	10124.28	568.75	-557.12	-243.01	11.61	461129.80	723444.18	N 32 15 58.85 W 103 44 38.99	
	10521.00	86.88	179.72	10132.80	660.30	-650.58	-247.31	7.58	461036.35	723439.88	N 32 15 57.92 W 103 44 39.05	
	10578.00	87.81	178.09	10135.45	717.13	-707.50	-246.22	3.31	460979.43	723440.97	N 32 15 57.36 W 103 44 39.04	
	10684.00	88.04	178.91	10138.56	802.87	-793.42	-243.97	0.99	460893.52	723443.21	N 32 15 56.51 W 103 44 39.02	
	10853.00	89.83	179.29	10142.08	991.52	-982.35	-241.00	0.97	460704.59	723446.18	N 32 15 54.64 W 103 44 39.00	
	10947.00	89.44	176.45	10142.68	1085.22	-1076.28	-237.51	3.05	460610.67	723449.68	N 32 15 53.71 W 103 44 38.96	
	11041.00	89.50	175.74	10143.54	1178.65	-1170.05	-231.11	0.76	460516.90	723456.08	N 32 15 52.78 W 103 44 38.89	
	11136.00	89.55	176.16	10144.33	1273.05	-1264.81	-224.40	0.45	460422.15	723462.79	N 32 15 51.84 W 103 44 38.82	
	11230.00	89.38	179.31	10145.21	1368.72	-1358.72	-220.68	3.36	460328.24	723466.50	N 32 15 50.91 W 103 44 38.78	
	11324.00	89.44	178.21	10146.18	1460.53	-1452.69	-218.65	1.17	460234.27	723468.53	N 32 15 49.98 W 103 44 38.77	
	11419.00	89.50	177.65	10147.06	1555.24	-1547.63	-215.22	0.59	460139.35	723471.96	N 32 15 49.05 W 103 44 38.73	
	11607.00	89.83	178.87	10148.16	1742.74	-1735.53	-209.51	0.67	459951.45	723477.87	N 32 15 47.19 W 103 44 38.68	
	11702.00	90.00	180.72	10148.30	1837.64	-1830.53	-209.17	1.96	459856.46	723478.01	N 32 15 46.25 W 103 44 38.68	
	11797.00	90.28	179.19	10148.06	1932.55	-1825.53	-209.09	1.64	459761.47	723478.09	N 32 15 45.31 W 103 44 38.69	
	11886.00	90.22	176.62	10147.24	2120.96	-2114.38	-202.19	1.36	459572.62	723484.99	N 32 15 43.44 W 103 44 38.62	
	12080.00	90.34	178.45	10146.78	2214.62	-2208.29	-198.14	1.95	459478.72	723489.04	N 32 15 42.51 W 103 44 38.58	
	12174.00	90.28	176.86	10146.27	2308.29	-2302.21	-194.30	1.69	459384.81	723492.88	N 32 15 41.58 W 103 44 38.54	
	12268.00	90.45	176.70	10145.67	2401.84	-2396.06	-189.02	0.25	459290.96	723498.16	N 32 15 40.65 W 103 44 38.48	
	12363.00	90.34	178.15	10145.02	2496.48	-2490.96	-184.75	1.53	459196.07	723502.43	N 32 15 39.71 W 103 44 38.44	
	12457.00	90.50	180.29	10144.33	2590.33	-2584.94	-183.47	2.28	459102.09	723503.71	N 32 15 38.78 W 103 44 38.43	
	12552.00	90.56	181.71	10143.45	2685.30	-2679.92	-185.13	1.50	459007.12	723502.05	N 32 15 37.84 W 103 44 38.45	
	12646.00	90.45	181.07	10142.62	2779.28	-2773.89	-187.41	0.69	458913.16	723509.77	N 32 15 36.91 W 103 44 38.49	
	12835.00	90.45	181.25	10141.14	2968.23	-2962.84	-191.23	0.10	458724.21	723495.95	N 32 15 35.04 W 103 44 38.54	
	12930.00	90.39	181.21	10140.44	3063.21	-3057.82	-193.27	0.08	458629.24	723493.91	N 32 15 34.10 W 103 44 38.57	
	13025.00	90.34	182.21	10139.84	3158.20	-3152.77	-196.11	1.05	458534.29	723491.07	N 32 15 33.16 W 103 44 38.61	
	13119.00	90.39	181.18	10139.24	3252.19	-3246.73	-198.89	1.10	458440.34	723488.29	N 32 15 32.23 W 103 44 38.65	
	13213.00	89.83	179.96	10139.06	3348.14	-3340.72	-199.82	1.43	458348.35	723487.36	N 32 15 31.30 W 103 44 38.67	
	13308.00	89.89	179.12	10139.29	3441.02	-3435.72	-199.06	0.89	458251.36	723488.12	N 32 15 30.38 W 103 44 38.67	
	13402.00	89.94	179.56	10139.43	3534.89	-3529.71	-197.98	0.47	458157.37	723489.20	N 32 15 29.43 W 103 44 38.68	
	13496.00	89.83	180.12	10139.62	3628.80	-3623.71	-197.72	0.81	458063.38	723489.47	N 32 15 28.50 W 103 44 38.68	
	13591.00	89.94	179.04	10139.81	3723.68	-3718.70	-197.02	1.14	457968.39	723490.16	N 32 15 27.56 W 103 44 38.68	
	13685.00	90.17	179.28	10139.72	3817.53	-3812.69	-195.64	0.35	457874.40	723491.54	N 32 15 26.63 W 103 44 38.65	
	13780.00	89.89	179.37	10139.67	3912.40	-3907.69	-194.52	0.31	457779.42	723492.66	N 32 15 25.69 W 103 44 38.64	
	13874.00	89.94	179.62	10139.81	4006.27	-4001.68	-193.61	0.17	457685.43	723493.57	N 32 15 24.76 W 103 44 38.64	
	13968.00	90.11	180.37	10139.77	4100.19	-4095.68	-193.52	0.92	457591.43	723493.66	N 32 15 23.83 W 103 44 38.64	
	14063.00	89.94	179.29	10139.72	4195.09	-4190.68	-193.24	1.15	457496.44	723493.94	N 32 15 22.89 W 103 44 38.65	
	14157.00	90.00	179.52	10139.77	4288.96	-4284.68	-192.26	0.25	457402.45	723494.92	N 32 15 21.96 W 103 44 38.64	
	14252.00	90.34	180.00	10139.49	4383.88	-4378.67	-191.87	0.62	457307.46	723495.32	N 32 15 21.02 W 103 44 38.64	
	14347.00	89.94	179.80	10139.26	4478.77	-4474.67	-189.70	0.47	457212.46	723495.88	N 32 15 20.06 W 103 44 38.65	
	14441.00	87.03	177.27	10141.75	4572.51	-4568.59	-189.30	4.10	457118.55	723497.88	N 32 15 19.15 W 103 44 38.62	
	14536.00	88.43	177.46	10145.51	4667.07	-4663.41	-184.94	1.49	457023.73	723502.24	N 32 15 18.21 W 103 44 38.58	
	14631.00	89.83	178.69	10146.95	4761.79	-4756.35	-181.74	1.98	456928.81	723505.44	N 32 15 17.27 W 103 44 38.55	
Final MWD	14789.00	89.78	179.09	10147.49	4819.49	-4816.31	-178.68	0.26	456770.84	723508.50		

Schlumberger

OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Cal-Mon MDP1 35 Federal 5H	NM Eddy County (NAD 83)	Oxy Cal-Mon MDP1 35 Federal 5H
Gravity & Magnetic Parameters			
Model: HD08 2018	Dip: 60.01°	Date: 13-Apr-2018	Surface Location: NAD83 New Mexico State Plane, Eastern Zone, US Feet
MagDec: 6.89°	FB: 48094.406mT	Gravity FB: 988.448mgal (3.80885 Based)	Lat: N 32 16 4.36
			Northings: 461696.897US
			Grid Conv: 0.31°
			Lon: W 103 44 38.13
			Eastings: 723627.177US
			Scale Fact: 0.99994717
			Miscellaneous
			Oxy Cal-Mon
			MDP1 35 Federal 5H
			TVD Ref: RKB=26.5'(3494.6ft above MSL)
			Plan: Cal-Mon MDP1 35 Federal 5H Rev2



Grid North
Tot Corr (M->G 6.580°)
Mag Dec (6.895°)
Grid Conv (0.315°)

