



Vertical Section (ft) Azim = 0.29° Scale = 1:1900 (ft) Origin = ON-S, OE-W

Grid North
Tot Corr (M→G 6.514")
Mag Dec (6.851")
Grid Conv (0.337")

Wellbore Data:

- Build 1°/100'
- 2575 MD 7575 TVD
- 0.00° Incl 185.00° az
- 0 vsec
- Hold Tangent
- 3775 MD 8766 TVD
- 12.00° Incl 185.00° az
- 125 vsec
- Turn 2°/100'
- 8818 MD 8807 TVD
- 12.00° Incl 185.00° az
- 133 vsec
- Build/Turn 10°/100'
- 9960 MD 9940 TVD
- 12.00° Incl 40.00° az
- 161 vsec
- Build/Turn 10°/100'
- 10151 MD 10118 TVD
- 30.00° Incl 20.00° az
- 100 vsec
- Build/Turn 10°/100'
- 10480 MD 10349 TVD
- 86.00° Incl 0.00° az
- 126 vsec
- Last Gyro
- 10524 MD 10368 TVD
- 67.35° Incl 0.68° az
- 179 vsec
- Landing Point
- 10780 MD 10426 TVD
- 90.00° Incl 359.64° az
- 413 vsec

Geographic Features:

- Plaster (903 TVD)
- Salado (1090 TVD)
- Castle (1216 TVD)
- Delaware (1658 TVD)
- Mell Canyon (1671 TVD)
- Cherry Canyon (1548 TVD)
- Monterey Canyon (1490 TVD)
- Hart Spring (1400 TVD)

Wellbore Path:

- Build 1°/100'
- 7575 MD 7575 TVD
- 0.00° Incl 0.00° az
- N=0 E=0
- Build 1°/100'
- 7575 MD 7575 TVD
- 0.00° Incl 185.00° az
- N=0 E=0
- Hold Tangent
- 8775 MD 8775 TVD
- 12.00° Incl 185.00° az
- N=125 E=-1
- Turn 2°/100'
- 8818 MD 8807 TVD
- 12.00° Incl 185.00° az
- N=133 E=-2
- Build/Turn 10°/100'
- 9960 MD 9940 TVD
- 12.00° Incl 40.00° az
- N=161 E=55
- Build/Turn 10°/100'
- 10151 MD 10118 TVD
- 30.00° Incl 20.00° az
- N=100 E=85
- Build/Turn 10°/100'
- 10480 MD 10349 TVD
- 86.00° Incl 0.00° az
- N=125 E=114
- Last Gyro
- 10524 MD 10368 TVD
- 67.35° Incl 0.68° az
- N=179 E=108
- Top Prod Casing
- 10598 MD 10382 TVD
- 20.11° Incl 2.68° az
- N=52 E=102

Geographic Features:

- Plaster (903 TVD)
- Salado (1090 TVD)
- Castle (1216 TVD)
- Delaware (1658 TVD)
- Mell Canyon (1671 TVD)
- Cherry Canyon (1548 TVD)
- Monterey Canyon (1490 TVD)
- Hart Spring (1400 TVD)

Wellbore Path:

- Build 1°/100'
- 7575 MD 7575 TVD
- 0.00° Incl 0.00° az
- N=0 E=0
- Build 1°/100'
- 7575 MD 7575 TVD
- 0.00° Incl 185.00° az
- N=0 E=0
- Hold Tangent
- 8775 MD 8775 TVD
- 12.00° Incl 185.00° az
- N=125 E=-1
- Turn 2°/100'
- 8818 MD 8807 TVD
- 12.00° Incl 185.00° az
- N=133 E=-2
- Build/Turn 10°/100'
- 9960 MD 9940 TVD
- 12.00° Incl 40.00° az
- N=161 E=55
- Build/Turn 10°/100'
- 10151 MD 10118 TVD
- 30.00° Incl 20.00° az
- N=100 E=85
- Build/Turn 10°/100'
- 10480 MD 10349 TVD
- 86.00° Incl 0.00° az
- N=125 E=114
- Last Gyro
- 10524 MD 10368 TVD
- 67.35° Incl 0.68° az
- N=179 E=108
- Top Prod Casing
- 10598 MD 10382 TVD
- 20.11° Incl 2.68° az
- N=52 E=102

Geographic Features:

- Plaster (903 TVD)
- Salado (1090 TVD)
- Castle (1216 TVD)
- Delaware (1658 TVD)
- Mell Canyon (1671 TVD)
- Cherry Canyon (1548 TVD)
- Monterey Canyon (1490 TVD)
- Hart Spring (1400 TVD)

Wellbore Path:

- Build 1°/100'
- 7575 MD 7575 TVD
- 0.00° Incl 0.00° az
- N=0 E=0
- Build 1°/100'
- 7575 MD 7575 TVD
- 0.00° Incl 185.00° az
- N=0 E=0
- Hold Tangent
- 8775 MD 8775 TVD
- 12.00° Incl 185.00° az
- N=125 E=-1
- Turn 2°/100'
- 8818 MD 8807 TVD
- 12.00° Incl 185.00° az
- N=133 E=-2
- Build/Turn 10°/100'
- 9960 MD 9940 TVD
- 12.00° Incl 40.00° az
- N=161 E=55
- Build/Turn 10°/100'
- 10151 MD 10118 TVD
- 30.00° Incl 20.00° az
- N=100 E=85
- Build/Turn 10°/100'
- 10480 MD 10349 TVD
- 86.00° Incl 0.00° az
- N=125 E=114
- Last Gyro
- 10524 MD 10368 TVD
- 67.35° Incl 0.68° az
- N=179 E=108
- Top Prod Casing
- 10598 MD 10382 TVD
- 20.11° Incl 2.68° az
- N=52 E=102

Geographic Features:

- Plaster (903 TVD)
- Salado (1090 TVD)
- Castle (1216 TVD)
- Delaware (1658 TVD)
- Mell Canyon (1671 TVD)
- Cherry Canyon (1548 TVD)
- Monterey Canyon (1490 TVD)
- Hart Spring (1400 TVD)

Wellbore Path:

- Build 1°/100'
- 7575 MD 7575 TVD
- 0.00° Incl 0.00° az
- N=0 E=0
- Build 1°/100'
- 7575 MD 7575 TVD
- 0.00° Incl 185.00° az
- N=0 E=0
- Hold Tangent
- 8775 MD 8775 TVD
- 12.00° Incl 185.00° az
- N=125 E=-1
- Turn 2°/100'
- 8818 MD 8807 TVD
- 12.00° Incl 185.00° az
- N=133 E=-2
- Build/Turn 10°/100'
- 9960 MD 9940 TVD
- 12.00° Incl 40.00° az
- N=161 E=55
- Build/Turn 10°/100'
- 10151 MD 10118 TVD
- 30.00° Incl 20.00° az
- N=100 E=85
- Build/Turn 10°/100'
- 10480 MD 10349 TVD
- 86.00° Incl 0.00° az
- N=125 E=114
- Last Gyro
- 10524 MD 10368 TVD
- 67.35° Incl 0.68° az
- N=179 E=108
- Top Prod Casing
- 10598 MD 10382 TVD
- 20.11° Incl 2.68° az
- N=52 E=102

Geographic Features:

- Plaster (903 TVD)
- Salado (1090 TVD)
- Castle (1216 TVD)
- Delaware (1658 TVD)
- Mell Canyon (1671 TVD)
- Cherry Canyon (1548 TVD)
- Monterey Canyon (1490 TVD)
- Hart Spring (1400 TVD)

Wellbore Path:

- Build 1°/100'
- 7575 MD 7575 TVD
- 0.00° Incl 0.00° az
- N=0 E=0
- Build 1°/100'
- 7575 MD 7575 TVD
- 0.00° Incl 185.00° az
- N=0 E=0
- Hold Tangent
- 8775 MD 8775 TVD
- 12.00° Incl 185.00° az
- N=125

Vertical Section (ft) Azim = 0 29° Scale = 1:1900 00(ft) Origin = 0N-S, 0E-W



Oxy Mesa Verde BS Unit 8 Gyro+MWD 0-20,430' Survey Geodetic Report

(Def Survey)

Report Date: February 28, 2018 - 12:54 PM
Client: OXY
Field: NM Lea County (NAD 83)
Structure / Slot: Oxy Mesa Verde BS Unit 8 / Oxy Mesa Verde BS Unit 8
Well: Oxy Mesa Verde BS Unit 8
Borehole: Original Borehole
UWI / API#: Unknown / 30-025-44184
Survey Name: Oxy Mesa Verde BS Unit 8 Gyro+MWD 0-20,430'
Survey Date: February 08, 2018
Tort / AHD / DDI / ERD Ratio: 203.184' / 10534.459 ft / 6.623 / 1.012
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 12' 39.46399", W 103° 42' 5.70431"
Location Grid N/E Y/X: N 441056 320 RUS, E 736724.090 RUS
CRS Grid Convergence Angle: 0.3368°
Grid Scale Factor: 0.99995281
Version / Patch: 2.10.706.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 0.289° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 R
TVD Reference Datum: RKB=26.5'
TVD Reference Elevation: 3590.700 ft above MSL
Seabed / Ground Elevation: 3564.200 ft above MSL
Magnetic Declination: 8.851°
Total Gravity Field Strength: 998.4309mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48034.242 nT
Magnetic Dip Angle: 59.936°
Declination Date: February 08, 2018
Magnetic Declination Model: HDGM 2017
North Reference: Grid North
Grid Convergence Used: 0.3368°
Total Corr Mag North→Grid: 6.5140°
North:
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	441056.32	736724.09	N 32 12 39.46 W 103 42 5.70	
	76.10	0.82	252.12	76.10	-0.17	-0.17	-0.52	1.08	441056.15	736723.57	N 32 12 39.46 W 103 42 5.71	
	167.60	0.79	268.03	167.59	-0.40	-0.39	-1.77	0.25	441055.93	736722.32	N 32 12 39.46 W 103 42 5.72	
	259.10	0.74	276.49	259.08	-0.36	-0.34	-2.99	0.13	441055.58	736721.10	N 32 12 39.46 W 103 42 5.74	
	350.70	0.61	287.30	350.67	-0.15	-0.13	-4.04	0.20	441055.19	736720.05	N 32 12 39.46 W 103 42 5.75	
	442.20	0.66	292.83	442.17	0.19	0.22	-4.99	0.09	441055.54	736719.10	N 32 12 39.47 W 103 42 5.76	
	533.70	0.54	291.88	533.66	0.55	0.58	-5.88	0.13	441056.90	736718.21	N 32 12 39.47 W 103 42 5.77	
	625.20	0.38	278.55	625.16	0.75	0.79	-6.58	0.21	441057.11	736717.51	N 32 12 39.47 W 103 42 5.78	
	716.80	0.44	276.93	716.76	0.84	0.87	-7.23	0.07	441057.19	736716.86	N 32 12 39.47 W 103 42 5.79	
	808.30	0.19	229.05	808.26	0.78	0.82	-7.69	0.37	441057.14	736716.40	N 32 12 39.47 W 103 42 5.79	
	902.70	0.45	209.87	902.66	0.35	0.39	-7.99	0.29	441056.71	736716.10	N 32 12 39.47 W 103 42 5.80	
	997.10	0.68	220.30	997.05	-0.40	-0.35	-8.54	0.27	441055.97	736715.55	N 32 12 39.46 W 103 42 5.80	
	1091.40	0.57	202.31	1091.35	-1.26	-1.22	-9.08	0.24	441055.10	736715.01	N 32 12 39.45 W 103 42 5.81	
	1185.90	0.76	182.52	1185.84	-2.32	-2.28	-9.29	0.31	441054.04	736714.80	N 32 12 39.44 W 103 42 5.81	
	1280.30	0.96	160.28	1280.23	-3.69	-3.65	-9.05	0.41	441052.67	736715.04	N 32 12 39.43 W 103 42 5.81	
	1374.80	1.40	146.35	1374.71	-5.39	-5.35	-8.14	0.55	441050.97	736715.95	N 32 12 39.41 W 103 42 5.80	
	1469.30	1.83	138.11	1469.17	-7.47	-7.44	-6.49	0.52	441048.88	736717.80	N 32 12 39.39 W 103 42 5.78	
	1553.80	2.31	129.56	1553.61	-9.79	-9.77	-4.02	0.80	441046.55	736720.07	N 32 12 39.37 W 103 42 5.75	
	1658.30	2.72	125.41	1658.02	-12.29	-12.28	-0.72	0.47	441044.04	736723.37	N 32 12 39.34 W 103 42 5.71	
	1752.70	3.02	124.81	1752.30	-14.99	-15.00	3.14	0.32	441041.32	736727.23	N 32 12 39.32 W 103 42 5.67	
	1847.20	3.20	123.71	1846.68	-17.85	-17.89	7.38	0.20	441038.43	736731.47	N 32 12 39.29 W 103 42 5.62	
	1941.80	1.26	111.36	1941.18	-18.88	-19.73	10.55	2.10	441036.59	736734.64	N 32 12 39.27 W 103 42 5.58	
	2036.30	0.19	75.97	2035.68	-20.01	-20.07	11.67	1.18	441036.25	736735.76	N 32 12 39.26 W 103 42 5.57	
	2130.70	0.17	53.66	2130.08	-19.89	-19.85	11.93	0.08	441036.37	736736.02	N 32 12 39.27 W 103 42 5.57	
	2225.20	0.16	43.06	2224.57	-19.71	-19.77	12.13	0.03	441036.55	736736.22	N 32 12 39.27 W 103 42 5.56	
	2319.40	0.17	41.00	2318.77	-19.51	-19.57	12.32	0.01	441036.75	736736.41	N 32 12 39.27 W 103 42 5.56	
	2413.50	0.17	67.44	2412.87	-19.35	-19.41	12.54	0.08	441036.91	736736.63	N 32 12 39.27 W 103 42 5.56	
	2507.80	0.16	31.63	2507.17	-19.18	-19.25	12.74	0.11	441037.08	736736.82	N 32 12 39.27 W 103 42 5.56	
	2602.10	0.15	34.83	2601.47	-18.97	-19.03	12.67	0.01	441037.29	736736.96	N 32 12 39.27 W 103 42 5.56	
	2695.80	0.16	29.79	2695.17	-18.75	-18.82	13.01	0.02	441037.50	736737.10	N 32 12 39.28 W 103 42 5.55	
	2790.00	0.16	30.47	2789.37	-18.52	-18.59	13.14	0.00	441037.73	736737.23	N 32 12 39.28 W 103 42 5.55	
	2884.10	0.15	26.40	2883.47	-18.30	-18.37	13.26	0.02	441037.95	736737.35	N 32 12 39.28 W 103 42 5.55	
	2978.70	0.14	314.37	2978.07	-18.11	-18.18	13.24	0.18	441038.15	736737.32	N 32 12 39.28 W 103 42 5.55	
	3073.40	0.14	309.28	3072.77	-17.96	-18.02	13.06	0.01	441038.30	736737.15	N 32 12 39.28 W 103 42 5.55	
	3168.00	0.15	308.33	3167.37	-17.81	-17.87	12.87	0.01	441038.45	736736.96	N 32 12 39.29 W 103 42 5.56	
	3262.40	0.16	306.33	3261.77	-17.66	-17.72	12.67	0.01	441038.60	736736.76	N 32 12 39.29 W 103 42 5.56	
	3356.90	0.17	299.91	3356.27	-17.51	-17.58	12.44	0.02	441038.75	736736.53	N 32 12 39.29 W 103 42 5.56	
	3451.40	0.16	306.24	3450.77	-17.37	-17.43	12.21	0.02	441038.89	736736.30	N 32 12 39.29 W 103 42 5.56	
	3546.00	0.12	324.36	3545.37	-17.21	-17.27	12.05	0.06	441039.05	736736.14	N 32 12 39.28 W 103 42 5.57	
	3640.50	0.18	320.26	3639.87	-17.01	-17.07	11.90	0.06	441039.25	736735.99	N 32 12 39.29 W 103 42 5.57	
	3735.00	0.20	320.79	3734.37	-16.77	-16.83	11.70	0.02	441039.49	736735.79	N 32 12 39.30 W 103 42 5.57	
	3829.70	0.15	330.92	3829.07	-16.54	-16.60	11.53	0.06	441039.73	736735.62	N 32 12 39.30 W 103 42 5.57	
	3924.00	0.15	177.36	3923.37	-16.55	-16.61	11.48	0.31	441039.71	736735.57	N 32 12 39.30 W 103 42 5.57	
	4018.50	0.56	143.75	4017.87	-17.05	-17.11	11.76	0.47	441039.21	736735.85	N 32 12 39.29 W 103 42 5.57	
	4113.00	0.18	170.15	4112.38	-17.56	-17.63	12.05	0.43	441038.69	736736.14	N 32 12 39.28 W 103 42 5.57	
	4207.30	0.14	212.54	4206.66	-17.81	-17.87	12.02	0.13	441038.45	736736.11	N 32 12 39.28 W 103 42 5.57	
	4301.90	0.17	208.82	4301.26	-18.03	-18.09	11.89	0.03	441038.23	736735.98	N 32 12 39.28 W 103 42 5.57	
	4396.30	0.18	211.56	4395.68	-18.28	-18.34	11.74	0.01	441037.98	736735.83	N 32 12 39.28 W 103 42 5.57	
	4490.70	0.19	220.49	4490.06	-18.53	-18.58	11.56	0.03	441037.74	736735.65	N 32 12 39.28 W 103 42 5.57	
	4585.20	0.22	223.49	4584.56	-18.78	-18.83	11.34	0.03	441037.49	736735.43	N 32 12 39.28 W 103 42 5.57	
	4679.10	0.19	228.94	4678.46	-19.01	-19.07	11.10	0.04	441037.25	736735.19	N 32 12 39.27 W 103 42 5.58	
	4773.60	0.19	225.83	4772.96	-19.22	-19.28	10.87	0.01	441037.04	736734.95	N 32 12 39.27 W 103 42 5.58	
	4868.10	0.11	203.14	4867.46	-19.42	-19.47	10.72	0.10	441036.85	736734.81	N 32 12 39.27 W 103 42 5.58	
	4962.50	0.17	319.81	4961.86	-19.40	-19.45	10.59	0.25	441036.87	736734.68	N 32 12 39.27 W 103 42 5.58	
	5056.80	0.13	198.70	5056.16	-19.39	-19.44	10.47	0.28	441036.88	736734.55	N 32 12 39.27 W 103 42 5.58	
	5151.30	0.13	211.31	5150.68	-19.58	-19.64	10.37	0.03	441036.69	736734.46	N 32 12 39.27 W 103 42 5.58	
	5245.80	0.15	207.84	5245.16	-19.78	-19.84	10.26	0.02	441036.48	736734.35	N 32 12 39.27 W 103 42 5.59	
	5340.10	0.15	207.36	5339.48	-20.00	-20.05	10.15	0.00	441036.27	736734.23	N 32 12 39.26 W 103 42 5.59	
	5434.50	0.15	205.67	5433.86	-20.23	-20.28	10.04	0.00	441036.05	736734.12	N 32 12 39.26 W 103 42 5.59	
	5529.00	0.15	212.92	5528.36	-20.44	-20.49	9.91	0.02	441035.83	736734.00	N 32 12 39.26 W 103 42 5.59	
	5623.60	0.16	218.62	5622.96	-20.65	-20.70	9.78	0.02	441035.62	736733.85	N 32 12 39.26 W 103 42 5.59	
	5717.80	0.16	206.81	5717.16	-20.87	-20.92	9.62	0.03	441035.40	736733.71	N 32 12 39.26 W 103 42 5.59	
	5812.20	0.16	196.36	5811.56	-21.11	-21.16	9.53	0.03	441035.16	736733.62	N 32 12 39.25 W 103 42 5.59	
	5906.40	0.14	201.94	5905.76	-21.35	-21.40	9.45	0.03	441034.93	736733.54	N 32 12 39.25 W 103 42 5.60	
	6000.90	0.14	112.01	6000.28	-21.50	-21.55	9.51	0.21	441034.78	736733.60	N 32 12 39.25 W 103 42 5.60	
	6095.00	0.15	115.97	6094.36	-21.59	-21.64	9.73	0.02	441034.68	736733.82	N 32 12 39.25 W 103 42 5.59	
	6189.40	0.14	117.14	6188.76	-21.70	-21.75	9.94	0.01	441034.57	736734.03	N 32 12 39.25 W 103 42 5.59	
	6283.80	0.14	116.81	6283.16	-21.80	-21.85	10.15	0.00	441034.47	736734.24	N 32 12 39.25 W 103 42 5.59	
	6378.10	0.15	125.81	6377.46	-21.93	-21.98	10.35	0.03	441034.34	736734.44	N 32 12 39.25 W 103 42 5.59	
	6472.60	0.17	106.82	6471.96	-22.04	-22.09	10.58	0.06	441034.23	736734.67	N 32 12 39.24 W 103 42 5.58	
	6567.00	0.17	119.41	6566.36	-22.15	-22.20	10.84	0.04	441034.12	736734.93	N 32 12 39.24 W 103 42 5.58	
	6661.10	0.17	104.46	6660.46	-22.25	-22.30	11.10	0.05	441034.02	736735.19	N 32 12 39.24 W 103 42 5.58	
	6755.30	0.16	134.83	6754.65	-22.37	-22.43	11.33	0.09	441033.89	736735.42	N 32 12 39.24 W 103 42 5.57	
	6849.60	0.15	119.50	6848.95	-22.53	-22.59	11.53	0.05	441033.74	736735.62	N 32 12 39.24 W 103 42 5.57	
	6944.00	0.16	48.55	6943.35	-22.50	-22.56	11.73	0.19	441033.76	736735.81		

[illegible]

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	19944.00	89.59	357.88	10401.46	9589.53	9589.43	64.63	1.11	450845.28	736788.91	N 32 14 14.35	W 103 42 4.29
	20133.00	89.86	358.36	10402.37	9778.50	9778.33	68.62	0.29	450834.16	736782.71	N 32 14 18.22	W 103 42 4.35
	20322.00	89.90	357.98	10402.76	9967.37	9967.23	52.59	0.20	451023.05	736776.68	N 32 14 18.09	W 103 42 4.41
Final MWD Survey	20391.00	89.79	357.42	10402.95	10036.30	10036.17	49.82	0.83	451092.00	736773.91	N 32 14 18.77	W 103 42 4.44
Proj. to Bit	20430.00	89.79	357.42	10403.09	10075.25	10075.13	48.06	0.00	451130.96	736772.15	N 32 14 19.15	W 103 42 4.46

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3 D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EDU Freq (ft)	Hole Size Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/96.425	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Mesa Verde BS Unit 8 Gyro+MWD 0-20.430'
	1	26.500	26.500	Act Stns	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Mesa Verde BS Unit 8 Gyro+MWD 0-20.430'
	1	26.500	10523.800	Act Stns	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Mesa Verde BS Unit 8 Gyro+MWD 0-
	1	10523.800	20430.000	Act Stns	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Oxy Mesa Verde BS Unit 8 Gyro+MWD 0-

Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

APR 25 2018

RECEIVED

Well Reference:
17, 24S, 32E, Lea NM
-32.21096 -103.70168

I, Leslie Bullard certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of February 17, 2018 through February 28, 2018, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 10552.00 feet to a depth of 20391.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of OXY USA Inc. for the Mesa Verde BS Unit 8H Well (Original Hole) API No. 30-025-44184 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
Leslie Bullard
FE

Leslie Bullard

Subscribed and Sworn to before me this 2nd day of March (month) 2018 (yr)

My Commission expires:

12-20-2020

J. Allemand
Notary Public

Adams County Colorado
(County State)

JENNIFER ALLEMAND
(signature) Notary Public
State of Colorado
Notary ID # 20164047962
My Commission Expires 12-20-2020