

Oilfield Services, Central U.S. Land
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

July 30, 2018

OXY USA Inc.
P.O. BOX 2289
Houston, TX 77252

HOBBS OCD

NOV 06 2018

RECEIVED

Re:

18, 24S, 32E, Lea NM
N 32.21132 W -103.70875

CLIENT: OXY USA Inc.
WELL: Mesa Verde BS Unit 11H
FIELD: Mesa Verde Bone Spring

RIG: H&P 556
COUNTY: Lea
API NO: 30-025-44187
JOB NO: 18MLD2647

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Kamonporn Rimkheeree FE	Mesa Verde BS Unit 11H Original Hole	1056.00 Ft to 18134.00 Ft	May 28, 2018 to July 6, 2018	TelePacer SlimPulse

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Mike Stephens
Field Service Manager

Oilfield Services, Central U.S. Land
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)
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Schlumberger

Well Reference:
18, 24S, 32E, Lea NM
N 32.21132 W -103.70875

I, Kamonporn Rimkheeree certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of May 28, 2018 through July 06, 2018, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 1056.00 feet to a depth of 18134.00 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 11H Well (Original Hole) API No. 30-025-44187 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
Kamonporn Rimkheeree
FE

Subscribed and Sworn to before me this 30th day of July (month) 2018 (yr)

My Commission expires:

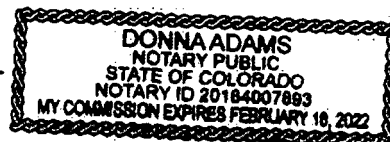
2-16-2022

Donna Adams

(signature)

Notary Public

Adams County Colorado
(County State)



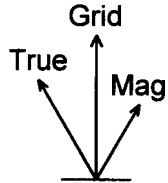


OXY

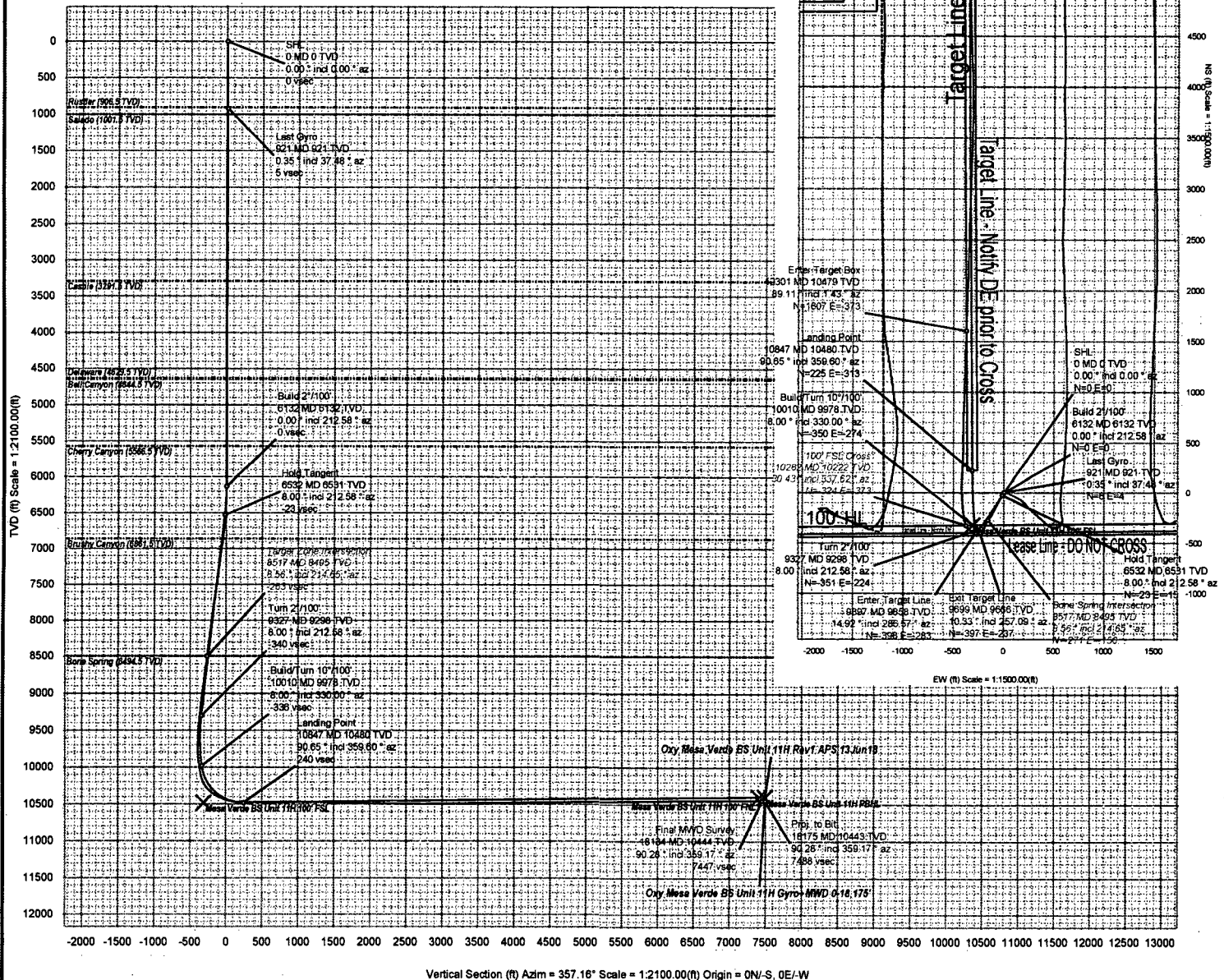
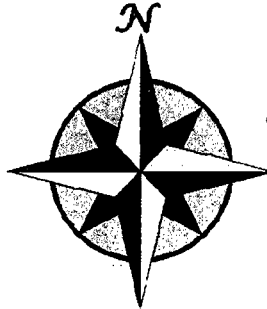


Borehole:		Well:		Field:		Structure:	
Original Borehole		Oxy Mesa Verde BS Unit 11H		NM Lea County (NAD 83)		Oxy Mesa Verde BS Unit 11H	

Gravity & Magnetic Parameters				Surface Location				NAD83 New Mexico State Plane, Eastern Zone, US Feet				Miscellaneous			
Model:	HDGM 2018	Dip:	59.921°	Date:	21-Jun-2018	Lat:	N 32 12 40.74	Northing:	441172.16NUS	Grid Cont:	0.3329'	Sic:	Oxy Mesa Verde	TVD Ref:	R0B=30'(3599.8ft above NSL)
MagDec:	6.816°	FS:	47992.064nT	Gravity FS:	996.423mgm (8.0665 Bessed)	Lon:	W 103 42 31.60	Easting:	734507.26EUS	Scale Fact:	0.999995183	Plan:	Oxy Mesa Verde BS Unit 11H Rev1	APS	13Jun18



Grid North
Tot Corr (M->G 6.483°)
Mag Dec (6.816°)
Grid Conv (0.333°)



Oxy Mesa Verde BS Unit 11H Gyro+MWD 0-18,175' Survey Geodetic Report

(Def Survey)



Report Date: July 09, 2018 - 03:29 PM
 Client: OXY
 Field: NM Lea County (NAD 83)
 Structure / Slot: Oxy Mesa Verde BS Unit 11H / Oxy Mesa Verde BS Unit 11H
 Well: Oxy Mesa Verde BS Unit 11H
 Borehole: Original Borehole
 UWI / API#: Unknown / 30-025-44187
 Survey Name: Oxy Mesa Verde BS Unit 11H Gyro+MWD 0-18,175'
 Survey Date: June 21, 2018
 Tort / AHD / DDI / ERD Ratio: 179.482 * / 8467.018 ft / 6.420 / 0.807
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 12' 40.73869", W 103° 42' 31.49912"
 Location Grid N/E Y/X: N 441172.180 RUS, E 734507.250 RUS
 CRS Grid Convergence Angle: 0.3329 °
 Grid Scale Factor: 0.99995183
 Version / Patch: 2.10.720.0

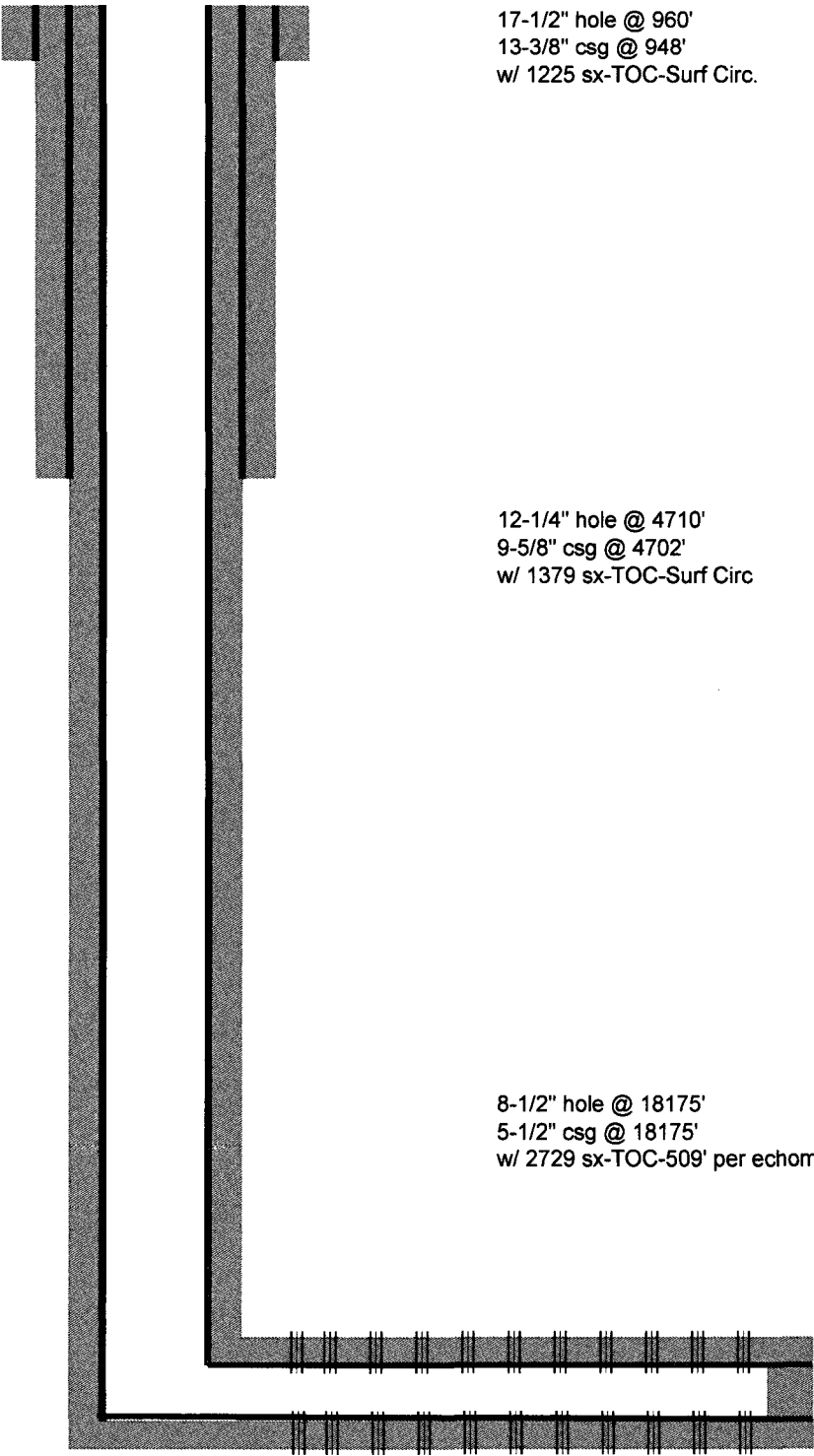
Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 357.163 ° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB=30'
 TVD Reference Elevation: 3599.800 ft above MSL
 Seabed / Ground Elevation: 3569.800 ft above MSL
 Magnetic Declination: 6.816 °
 Total Gravity Field Strength: 998.4295mgm (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 47992.554 nT
 Magnetic Dip Angle: 59.921 °
 Declination Date: June 21, 2018
 Magnetic Declination Model: HDGM 2018
 North Reference: Grid North
 Grid Convergence Used: 0.3329 °
 Total Corr Mag North->Grid: 6.4826 °
 North: 6.4826 °
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
RKB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	441172.18	734507.25	N 32 12 40.74	W 103 42 31.50
SHL	30.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	441172.18	734507.25	N 32 12 40.74	W 103 42 31.50
	110.00	0.80	38.15	110.00	0.42	0.44	0.34	1.00	441172.62	734507.59	N 32 12 40.74	W 103 42 31.50
	200.00	0.72	36.65	199.99	1.33	1.39	1.07	0.09	441173.57	734508.32	N 32 12 40.75	W 103 42 31.49
	288.00	0.62	27.97	287.98	2.17	2.25	1.62	0.16	441174.43	734508.87	N 32 12 40.76	W 103 42 31.48
	383.00	0.55	18.82	382.98	3.03	3.14	2.01	0.12	441175.32	734509.26	N 32 12 40.77	W 103 42 31.48
	478.00	0.24	358.50	477.98	3.66	3.77	2.15	0.35	441175.95	734509.40	N 32 12 40.78	W 103 42 31.47
	573.00	0.30	83.33	572.98	3.87	3.99	2.40	0.39	441176.17	734509.65	N 32 12 40.78	W 103 42 31.47
	668.00	0.35	47.50	667.97	4.07	4.22	2.86	0.22	441176.40	734510.11	N 32 12 40.78	W 103 42 31.47
	763.00	0.45	52.73	762.97	4.47	4.64	3.37	0.11	441176.82	734510.62	N 32 12 40.78	W 103 42 31.46
	856.00	0.55	49.07	855.97	4.95	5.16	4.00	0.11	441177.34	734511.25	N 32 12 40.79	W 103 42 31.45
Last Gyro	921.00	0.35	37.48	920.97	5.30	5.52	4.35	0.34	441177.70	734511.60	N 32 12 40.79	W 103 42 31.45
	1056.00	0.17	304.51	1055.97	5.73	5.96	4.44	0.29	441178.14	734511.69	N 32 12 40.80	W 103 42 31.45
	1147.00	0.08	221.40	1146.96	5.77	5.99	4.28	0.20	441178.17	734511.53	N 32 12 40.80	W 103 42 31.45
	1241.00	0.32	239.11	1240.96	5.60	5.80	4.02	0.26	441177.98	734511.27	N 32 12 40.80	W 103 42 31.45
	1336.00	0.18	273.25	1335.96	5.49	5.68	3.64	0.21	441177.85	734510.89	N 32 12 40.79	W 103 42 31.46
	1525.00	0.13	218.40	1524.96	5.36	5.52	3.21	0.08	441177.70	734510.46	N 32 12 40.79	W 103 42 31.46
	1620.00	0.16	272.40	1619.96	5.29	5.44	3.01	0.14	441177.62	734510.26	N 32 12 40.79	W 103 42 31.46
	1714.00	0.11	259.45	1713.96	5.29	5.43	2.79	0.06	441177.61	734510.04	N 32 12 40.79	W 103 42 31.47
	1809.00	0.13	225.36	1808.96	5.21	5.34	2.62	0.08	441177.52	734509.87	N 32 12 40.79	W 103 42 31.47
	1904.00	0.08	350.91	1903.96	5.20	5.33	2.54	0.20	441177.51	734509.79	N 32 12 40.79	W 103 42 31.47
	1998.00	0.08	3.68	1997.96	5.33	5.46	2.53	0.02	441177.64	734509.78	N 32 12 40.79	W 103 42 31.47
	2093.00	0.13	298.59	2092.96	5.45	5.58	2.44	0.13	441177.76	734509.69	N 32 12 40.79	W 103 42 31.47
	2188.00	0.13	13.74	2187.96	5.61	5.74	2.37	0.17	441177.92	734509.62	N 32 12 40.80	W 103 42 31.47
	2282.00	0.08	61.71	2281.96	5.74	5.87	2.45	0.10	441178.05	734509.70	N 32 12 40.80	W 103 42 31.47
	2377.00	0.13	165.27	2376.96	5.86	5.80	2.54	0.18	441177.98	734509.79	N 32 12 40.80	W 103 42 31.47
	2566.00	0.18	97.37	2565.96	5.40	5.55	2.89	0.09	441177.73	734510.14	N 32 12 40.79	W 103 42 31.47
	2661.00	0.17	137.91	2660.96	5.27	5.43	3.13	0.13	441177.61	734510.38	N 32 12 40.79	W 103 42 31.46
	2756.00	0.08	199.86	2755.96	5.10	5.26	3.20	0.16	441177.44	734510.45	N 32 12 40.79	W 103 42 31.46
	2850.00	0.08	353.20	2849.96	5.10	5.26	3.17	0.17	441177.44	734510.42	N 32 12 40.79	W 103 42 31.46
	3040.00	0.34	98.15	3039.96	5.13	5.32	3.72	0.19	441177.50	734510.97	N 32 12 40.79	W 103 42 31.46
	3229.00	0.18	145.91	3228.96	4.77	4.99	4.44	0.14	441177.17	734511.69	N 32 12 40.79	W 103 42 31.45
	3419.00	0.11	180.67	3418.96	4.33	4.56	4.60	0.06	441176.74	734511.85	N 32 12 40.78	W 103 42 31.45
	3608.00	0.17	186.72	3607.96	3.87	4.10	4.57	0.03	441176.28	734511.82	N 32 12 40.78	W 103 42 31.45
	3797.00	0.06	300.48	3796.96	3.65	3.87	4.45	0.11	441176.05	734511.70	N 32 12 40.78	W 103 42 31.45
	3986.00	0.25	148.43	3985.96	3.34	3.57	4.58	0.16	441175.75	734511.83	N 32 12 40.77	W 103 42 31.45
	4081.00	0.11	33.49	4080.95	3.23	3.47	4.74	0.33	441175.65	734511.99	N 32 12 40.77	W 103 42 31.44
	4175.00	0.23	173.64	4174.95	3.12	3.36	4.81	0.34	441175.54	734512.06	N 32 12 40.77	W 103 42 31.44
	4270.00	0.30	177.83	4269.95	2.68	2.92	4.84	0.08	441175.10	734512.09	N 32 12 40.77	W 103 42 31.44
	4459.00	0.17	319.63	4458.95	2.41	2.64	4.68	0.24	441174.82	734511.93	N 32 12 40.76	W 103 42 31.44
	4554.00	0.08	55.71	4553.95	2.55	2.79	4.64	0.21	441174.97	734511.89	N 32 12 40.77	W 103 42 31.44
	4581.00	0.08	254.54	4580.95	2.56	2.79	4.64	0.58	441174.97	734511.89	N 32 12 40.77	W 103 42 31.44
	4722.00	0.05	264.62	4721.95	2.53	2.76	4.48	0.02	441174.94	734511.73	N 32 12 40.77	W 103 42 31.45
	4817.00	0.11	110.27	4816.95	2.50	2.72	4.53	0.16	441174.90	734511.78	N 32 12 40.77	W 103 42 31.45
	4911.00	0.11	268.08	4910.95	2.46	2.69	4.52	0.23	441174.87	734511.77	N 32 12 40.77	W 103 42 31.45
	5006.00	0.14	65.61	5005.95	2.51	2.73	4.54	0.26	441174.91	734511.79	N 32 12 40.77	W 103 42 31.45
	5101.00	0.10	170.38	5100.95	2.47	2.70	4.65	0.20	441174.88	734511.90	N 32 12 40.77	W 103 42 31.44
	5290.00	0.07	221.38	5289.95	2.22	2.45	4.61	0.04	441174.63	734511.86	N 32 12 40.76	W 103 42 31.45
	5385.00	0.11	345.36	5384.95	2.27	2.50	4.54	0.17	441174.68	734511.79	N 32 12 40.76	W 103 42 31.45
	5479.00	0.07	48.57	5478.95	2.39	2.62	4.57	0.11	441174.80	734511.81	N 32 12 40.76	W 103 42 31.45
	5574.00	0.11	253.82	5573.95	2.41	2.63	4.52	0.19	441174.81	734511.77	N 32 12 40.76	W 103 42 31.45
5668.00	0.11	208.07	5667.95	2.31	2.53	4.39	0.09	441174.71	734511.64	N 32 12 40.76	W 103 42 31.45	
5763.00	0.14	171.67	5762.95	2.12	2.33	4.37	0.09	441174.51	734511.62	N 32 12 40.76	W 103 42 31.45	
5852.00	0.08	357.28	5851.95	2.02	2.24	4.39	0.12	441174.42	734511.64	N 32 12 40.76	W 103 42 31.45	
6047.00	0.08	87.74	6046.95	2.08	2.31	4.46	0.12	441174.49	734511.71	N 32 12 40.76	W 103 42 31.45	
6142.00	1.14	211.92	6141.95	1.31	1.51	4.02	1.25	441173.69	734511.27	N 32 12 40.75	W 103 42 31.45	
6237.00	2.21	218.47	6236.90	-0.85	-0.73	2.38	1.14	441171.45	734509.63	N 32 12 40.73	W 103 42 31.47	
6331.00	3.03	215.81	6330.80	-4.15	-4.16	-0.20	0.88	441168.02	734507.05	N 32 12 40.70	W 103 42 31.50	
6426.00	3.77	212.45	6425.64	-8.66	-8.84	-3.34	0.81	441163.35	734503.91	N 32 12 40.65	W 103 42 31.54	
6521.00	4.89	213.67	6520.36	-14.46	-14.84	-7.26	1.18	441157.34	734499.99	N 32 12 40.59	W 103 42 31.58	
6615.00	5.80	211.90	6613.95	-21.59	-22.21	-11.99	0.98	441149.97	734495.26	N 32 12 40.52	W 103 42 31.64	
6710.00	6.94	211.13	6708.37	-30.29	-31.20	-17.50	1.20	441140.99	734489.75	N 32 12 40.43	W 103 42 31.70	
6805.00	8.93	210.59	6802.45	-41.21	-42.46	-24.22	2.10	441129.72	734483.03	N 32 12 40.32	W 103 42 31.78	
6899.00	9.50	210.84	6895.24	-53.75	-55.40	-31.91	0.61	441116.78	734475.34	N 32 12 40.19	W 103 42 31.87	
6993.00	8.81	212.31	6988.04	-66.09	-68.14	-39.73	0.78	441104.04	734467.52	N 32 12 40.07	W 103 42 31.97	
7087.00	8.58	209.46	7080.96	-77.91	-80.33	-47.03	0.52	441091.85	734460.22	N 32 12 39.95	W 103 42 32.05	
7182.00	8.81	208.28	7174.87	-90.12	-92.91	-53.96	0.31	441079.28	734453.29	N 32 12 39.82	W 103 42 32.13	
7277.00	8.70	208.82	7268.76	-102.47	-105.61	-60.87	0.14	441066.57	734446.38	N 32 12 39.70	W 103 42 32.21	
7371.00	8.98	207.43	7361.65	-114.86	-118.35	-67.68	0.37	441053.84	734439.58	N 32 12 39.57	W 103 42 32.29	
7465.00	8.97	209.15	7454.49	-127.41	-131.26	-74.63	0.29	441040.92	734432.63	N 32 12 39.44	W 103 42 32.38	
7560.00	8.93	208.62	7548.34	-139.98	-144.20	-81.77	0.10	441027.98	734425.49	N 32 12 39.32	W 103 42 32.46	
7655.00	8.90	208.54	7642.19	-152.54	-157.13	-88.81	0.03	441015.06	734418.45	N 32 12 39.19	W 103 42 32.54	
7749.00	8.78	206.78	7735.07	-164.99	-169.92	-95.52	0.31	441002.27	734411.74	N 32 12 39.06	W 103 42 32.62	
7844.00	8.94	206.48	7828.94	-177.73	-183.00	-102.07	0.18	440989.19	734405.18	N 32 12 38.93	W 103 42 32.70	
8033.00	8.86	209.01	8015.67	-202.89	-208.88	-115.68	0.21	440963.31	734391.58	N 32 12 38.68	W 103 42 32.86	
8128.00	8.80	209.87	8109.54	-215.22	-221.58	-122.						

...Oxy Mesa Verde BS Unit 11H Gyro-MWD 0-18.175'

Comments	MD	Incl	Atim Ghd	TVD	VSEC	NS	EW	DLS	North	East	Latitude	Longitude
	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
	8506.00	8.62	214.81	8483.17	-261.34	-269.32	-154.53	0.26	440902.88	440902.88	32 13 26.08	103 42 33.32
	8601.00	8.16	213.40	8577.15	-272.41	-280.79	-162.30	0.53	440841.40	440841.40	32 12 31.87	103 42 33.41
	8685.00	8.30	209.18	8756.18	-283.55	-292.29	-169.28	0.67	440875.91	440875.91	32 12 31.86	103 42 33.49
	8730.00	8.33	209.35	8786.41	-295.47	-305.96	-178.56	0.80	440867.90	440867.90	32 12 31.82	103 42 33.57
	8790.00	8.53	207.56	8858.16	-307.13	-319.83	-185.52	1.42	440842.65	440842.65	32 12 31.79	103 42 33.71
	8879.00	8.81	198.81	8951.09	-319.83	-329.54	-198.12	1.42	440828.14	440828.14	32 12 31.76	103 42 33.76
	9074.00	8.43	197.88	9045.01	-333.10	-343.05	-192.61	0.33	440816.55	440816.55	32 12 31.72	103 42 33.79
	9125.00	7.94	199.78	9098.49	-339.65	-349.95	-196.85	1.10	440812.31	440812.31	32 12 31.69	103 42 33.79
	9169.00	7.65	200.65	9138.09	-345.25	-354.16	-197.20	1.64	440810.06	440810.06	32 12 31.65	103 42 33.79
	9233.00	6.86	202.02	9222.33	-355.67	-367.36	-202.36	0.90	440804.90	440804.90	32 12 31.62	103 42 33.79
	9358.00	6.15	211.37	9326.72	-364.80	-379.84	-210.59	0.91	440796.66	440796.66	32 12 31.59	103 42 33.79
	9406.00	6.05	214.83	9374.45	-368.93	-379.84	-210.38	0.82	440796.66	440796.66	32 12 31.59	103 42 33.79
	9532.00	5.20	227.54	9499.85	-377.82	-388.10	-220.52	1.19	440783.10	440783.10	32 12 31.56	103 42 33.79
	9564.00	4.81	232.39	9531.73	-379.51	-390.80	-220.52	1.80	440781.30	440781.30	32 12 31.56	103 42 33.79
	9659.00	6.69	251.67	9626.06	-383.70	-395.59	-230.50	4.67	440776.76	440776.76	32 12 31.56	103 42 33.79
	9754.00	12.68	262.22	9719.40	-388.51	-399.26	-241.65	4.66	440772.94	440772.94	32 12 31.56	103 42 33.79
	9848.00	15.32	298.87	9802.38	-378.11	-393.13	-230.21	3.94	440772.27	440772.27	32 12 31.56	103 42 33.79
	9943.00	15.24	298.87	9802.38	-378.11	-393.13	-230.21	7.02	440772.27	440772.27	32 12 31.56	103 42 33.79
	9989.00	14.85	311.25	9946.81	-370.81	-386.30	-230.45	7.06	440765.69	440765.69	32 12 31.56	103 42 33.79
	10038.00	15.25	297.88	9994.14	-363.15	-379.15	-231.87	7.12	440763.03	440763.03	32 12 31.56	103 42 33.79
	10132.00	17.29	329.01	10084.38	-350.74	-367.91	-231.66	14.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	10227.00	24.46	326.29	10173.38	-327.60	-345.92	-231.66	14.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	10321.00	35.10	343.38	10265.00	-284.45	-303.30	-230.30	14.38	440759.97	440759.97	32 12 31.56	103 42 33.79
	10415.00	50.30	350.22	10323.82	-221.90	-241.71	-194.55	10.15	440759.97	440759.97	32 12 31.56	103 42 33.79
	10510.00	59.70	352.86	10378.35	-144.55	-164.82	-140.15	10.15	440759.97	440759.97	32 12 31.56	103 42 33.79
	10604.00	68.20	356.71	10419.61	-60.26	-80.81	-41.15	9.76	440759.97	440759.97	32 12 31.56	103 42 33.79
	10687.00	74.08	358.05	10449.66	-27.70	-7.06	-41.15	9.76	440759.97	440759.97	32 12 31.56	103 42 33.79
	10782.00	81.16	359.18	10470.02	120.34	99.78	-41.15	8.11	440759.97	440759.97	32 12 31.56	103 42 33.79
	10868.00	88.28	373.52	10478.66	274.13	254.13	-41.15	5.18	440759.97	440759.97	32 12 31.56	103 42 33.79
	10947.00	91.24	413.30	10478.66	274.13	254.13	-41.15	5.18	440759.97	440759.97	32 12 31.56	103 42 33.79
	11089.00	92.06	415.41	10478.66	274.13	254.13	-41.15	5.18	440759.97	440759.97	32 12 31.56	103 42 33.79
	11164.00	90.21	359.18	10478.66	510.25	490.87	-402.66	2.86	440759.97	440759.97	32 12 31.56	103 42 33.79
	11469.00	90.24	0.83	10478.66	617.11	597.87	-402.66	1.58	440759.97	440759.97	32 12 31.56	103 42 33.79
	11657.00	89.79	2.21	10478.66	981.91	968.75	-392.27	0.39	440759.97	440759.97	32 12 31.56	103 42 33.79
	11848.00	89.62	1.76	10478.66	1076.58	1058.62	-388.98	0.51	440759.97	440759.97	32 12 31.56	103 42 33.79
	11866.00	89.62	1.56	10478.66	1170.28	1152.58	-388.98	0.21	440759.97	440759.97	32 12 31.56	103 42 33.79
	12036.00	89.14	1.80	10478.66	1352.68	1342.48	-388.98	0.28	440759.97	440759.97	32 12 31.56	103 42 33.79
	12130.00	89.14	2.00	10478.66	1453.35	1436.42	-388.98	0.22	440759.97	440759.97	32 12 31.56	103 42 33.79
	12319.00	89.07	1.43	10478.66	1548.04	1531.73	-388.98	0.63	440759.97	440759.97	32 12 31.56	103 42 33.79
	12509.00	89.07	1.43	10478.66	1641.77	1625.33	-388.98	0.22	440759.97	440759.97	32 12 31.56	103 42 33.79
	12603.00	89.14	1.90	10478.66	1824.86	1809.18	-388.98	0.22	440759.97	440759.97	32 12 31.56	103 42 33.79
	12791.00	89.14	1.94	10478.66	2112.19	2097.75	-388.98	0.03	440759.97	440759.97	32 12 31.56	103 42 33.79
	12879.00	89.17	1.70	10478.66	2298.55	2284.94	-388.98	0.13	440759.97	440759.97	32 12 31.56	103 42 33.79
	13168.00	89.28	1.88	10478.66	2487.92	2473.83	-388.98	0.11	440759.97	440759.97	32 12 31.56	103 42 33.79
	13356.00	89.28	1.88	10478.66	2675.26	2661.71	-388.98	0.11	440759.97	440759.97	32 12 31.56	103 42 33.79
	13545.00	89.28	1.66	10478.66	2863.64	2850.49	-388.98	0.11	440759.97	440759.97	32 12 31.56	103 42 33.79
	13639.00	89.28	1.92	10478.66	2957.33	2944.56	-388.98	0.11	440759.97	440759.97	32 12 31.56	103 42 33.79
	13734.00	89.28	1.88	10478.66	3051.99	3039.50	-388.98	0.08	440759.97	440759.97	32 12 31.56	103 42 33.79
	13824.00	89.28	1.87	10478.66	3241.34	3229.39	-388.98	0.01	440759.97	440759.97	32 12 31.56	103 42 33.79
	14018.00	89.28	1.96	10478.66	3335.33	3323.33	-388.98	0.10	440759.97	440759.97	32 12 31.56	103 42 33.79
	14208.00	89.28	1.59	10478.66	3524.38	3513.22	-388.98	0.21	440759.97	440759.97	32 12 31.56	103 42 33.79
	14303.00	89.28	1.25	10478.66	3619.11	3608.16	-388.98	0.51	440759.97	440759.97	32 12 31.56	103 42 33.79
	14491.00	89.28	1.25	10478.66	3706.72	3696.16	-388.98	0.96	440759.97	440759.97	32 12 31.56	103 42 33.79
	14585.00	89.28	1.25	10478.66	3800.69	3789.11	-388.98	0.54	440759.97	440759.97	32 12 31.56	103 42 33.79
	14778.00	89.28	1.35	10478.66	3900.69	3889.11	-388.98	0.80	440759.97	440759.97	32 12 31.56	103 42 33.79
	14868.00	89.28	1.35	10478.66	4003.55	3992.11	-388.98	0.80	440759.97	440759.97	32 12 31.56	103 42 33.79
	15057.00	89.28	1.35	10478.66	4103.52	4092.11	-388.98	0.40	440759.97	440759.97	32 12 31.56	103 42 33.79
	15249.00	89.28	1.35	10478.66	4203.52	4192.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	15439.00	89.28	1.35	10478.66	4303.52	4292.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	15629.00	89.28	1.35	10478.66	4403.52	4392.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	15812.00	89.28	1.35	10478.66	4503.52	4492.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	16002.00	89.28	1.35	10478.66	4603.52	4592.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	16197.00	89.28	1.35	10478.66	4703.52	4692.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	16386.00	89.28	1.35	10478.66	4803.52	4792.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	16578.00	89.28	1.35	10478.66	4903.52	4892.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	16758.00	89.28	1.35	10478.66	5003.52	4992.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	16940.00	89.28	1.35	10478.66	5103.52	5092.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	17121.00	89.28	1.35	10478.66	5203.52	5192.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	17291.00	89.28	1.35	10478.66	5303.52	5292.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	17471.00	89.28	1.35	10478.66	5403.52	5392.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	17658.00	89.28	1.35	10478.66	5503.52	5492.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	17840.00	89.28	1.35	10478.66	5603.52	5592.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	18024.00	89.28	1.35	10478.66	5703.52	5692.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	18208.00	89.28	1.35	10478.66	5803.52	5792.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	18394.00	89.28	1.35	10478.66	5903.52	5892.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	18578.00	89.28	1.35	10478.66	6003.52	5992.11	-388.98	0.31	440759.97	440759.97	32 12 31.56	103 42 33.79
	18760.00	89.28	1.35	10478.66	6103.52	6092.11	-388.98	0.31	440759.97	440759.97		

OXY USA Inc.
Mesa Verde BS Unit 11H
API No. 30-025-44187



17-1/2" hole @ 960'
13-3/8" csg @ 948'
w/ 1225 sx-TOC-Surf Circ.

12-1/4" hole @ 4710'
9-5/8" csg @ 4702'
w/ 1379 sx-TOC-Surf Circ

8-1/2" hole @ 18175'
5-1/2" csg @ 18175'
w/ 2729 sx-TOC-509' per echometer.

Perfs @ 10292-17985"

TD- 18175'M/10443'V