



Drilling Services
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Mewbourne Oil Co.
PO Box 5270
Hobbs, NM 88241

Date: August 1, 2018

Attention: Kyle Freidenbloom

Re: Mewbourne Oil Co.
Well: South Loving 2/11 WODE State Com 1H
Eddy County, New Mexico

30-015-45019

NM OIL CONSERVATION
ARTESIA DISTRICT

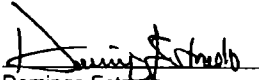
DEC 06 2018

RECEIVED

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

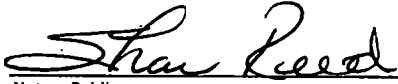
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Domingo Estrada MWD Supervisor	1H	538 MD 16,513 MD	7/12/2018 7/31/2018	Measurement While Drilling

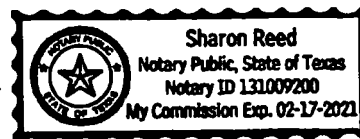
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Domingo Estrada
MWD Ops. Coordinator

On this, the 1st day of August, 2018, before me a notary public, the undersigned officer, personally appeared Domingo Estrada, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.


Notary Public





MEWBOURNE
OIL COMPANY

5D Survey Report

Mewbourne Oil Company

Field Name: *Mewbourne Oil Company (Nad 83 NMEZ)*

Site Name: *South Loving 2/11 Pad*

Well Name: *South Loving 2/11 W0DE State Com 1H*

File number: *13263791*

Survey: *Definitive survey*

1 August 2018



Weatherford®



South Loving 2/11 WODE State Com 1H

Field Name: Mewbourne Oil Company (Nad 83 NMEZ)
Map Units: US ft
Company Name: Mewbourne Oil Company
Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / New Mexico East (ftUS)
Comment:

Site: South Loving 2/11 Pad
Units: US ft
North Reference: Grid
Convergence Angle: 0.09
Elevation above MSL: 3152.00 US ft
Comment: Eddy Co., NM

Slot: South Loving 2/11 WODE State Com 1H
Slot TVD Reference: Ground Elevation
Elevation above MSL: 3152.00 US ft
Comment:

Well: South Loving 2/11 WODE State Com 1H
Type: Main well
UWI:
File Number: 13263791
Comment: Patterson 217
Closure Distance: 7330.99 US ft
Closure Azimuth: 187.12°
Vertical Section: Position of Origin (Relative to Slot centre)
+N/-S: 0.00 US ft
+E/-W: 0.00 US ft
Az: 187.31°

Drill floor: Survey Name: Definitive Survey
Rig Height (Drill Floor): 27.00 US ft
Elevation above MSL: 3179.00 US ft
Inclination: 0.00°
Azimuth: 0.00°

Survey Name: Definitive Survey

Date: 19/Jun/2018
Survey Tool: See Survey Tool Ranges below.
Comment:
Company:

Magnetic Model:
Model Name: bggm2018
Date: 10/Jul/2018
Field Strength: 47839.4 nT
Declination: 7.18°
Dip: 59.93°

Tie Point:
MD: 0.00 US ft
Inclination: 0.00°
Azimuth: 0.00°
TVD: 0.00 US ft
North Offset: 0.00 US ft
East Offset: 0.00 US ft

Survey Tool Ranges:

Name	Start MD(USFt)	End MD(USFt)	Source Survey
GYRO-NS_OW	0.00	418.50	Phoenix Gyro
MWD	418.50	2260.00	WFT_1
MWD	2260.00	8602.00	WFT_2

5D Survey Report

Survey Tool Ranges:			
Name	Start MD(USFt)	End MD(USFt)	Source Survey
MWD	8602.00	9057.00	WFT_3
MWD	9057.00	9396.00	WFT_4
MWD	9396.00	16570.00	WFT_5

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (USFt)	Incl (°)	Az (°)	TVD (USFt)	VS (USFt)	H.Gross (USFt)	F.Onset (USFt)	DLS (°/1000USFt)	Heading (USFt)	Easting (USFt)	Comment
418.50	0.66	286.25	418.50	-0.58	0.65	-0.49	1.88	455849.05	593232.01	Phoenix Gyro
538.00	1.05	305.00	537.98	-1.20	1.47	-2.05	0.40	455849.87	593230.45	lean Svy
599.00	1.55	304.27	598.97	-1.83	2.26	-3.19	0.82	455850.66	593229.31	First WFT
660.00	2.64	308.58	659.93	-2.93	3.60	-4.97	1.80	455852.00	593227.53	MWD Svy
721.00	3.52	308.72	720.84	-4.64	5.64	-7.53	1.44	455854.04	593224.97	
781.00	4.42	309.04	780.69	-6.82	8.25	-10.76	1.50	455856.65	593221.74	
848.00	4.81	308.32	847.48	-9.62	11.62	-14.97	0.59	455860.02	593217.53	
911.00	4.46	311.11	910.27	-12.34	14.87	-18.89	0.66	455863.27	593213.61	
975.00	4.14	312.66	974.09	-15.07	18.07	-22.46	0.53	455866.47	593210.04	
1038.00	4.70	310.35	1036.90	-17.79	21.28	-26.10	0.93	455869.68	593206.40	
1102.00	5.07	307.35	1100.67	-20.63	24.70	-30.34	0.70	455873.10	593202.16	
1165.00	5.15	302.95	1163.42	-23.25	27.92	-34.93	0.63	455876.32	593197.57	
1229.00	5.37	303.10	1227.15	-25.80	31.12	-39.85	0.34	455879.52	593192.65	
1293.00	5.34	299.32	1290.87	-28.22	34.21	-44.96	0.55	455882.61	593187.54	
1356.00	5.11	293.55	1353.61	-30.10	36.77	-50.08	0.91	455885.17	593182.42	
1420.00	4.76	291.38	1417.37	-31.54	38.88	-55.17	0.62	455887.28	593177.33	
1484.00	4.44	293.95	1481.17	-32.90	40.85	-59.91	0.59	455889.25	593172.59	
1547.00	3.92	292.69	1544.00	-34.17	42.67	-64.12	0.84	455891.07	593168.38	
1611.00	3.66	297.01	1607.86	-35.43	44.44	-67.96	0.60	455892.84	593164.54	
1674.00	3.32	303.83	1670.74	-36.93	46.37	-71.27	0.85	455894.77	593161.23	
1738.00	2.78	308.18	1734.65	-38.55	48.36	-74.03	0.92	455896.76	593158.47	
1832.00	3.23	315.75	1828.52	-41.37	51.67	-77.67	0.64	455900.07	593154.83	
1930.00	2.08	325.91	1926.42	-44.42	55.12	-80.59	1.26	455903.52	593151.91	
2025.00	2.67	322.91	2021.33	-47.29	58.31	-82.89	0.63	455906.71	593149.61	
2120.00	2.98	318.83	2116.22	-50.51	61.94	-85.85	0.39	455910.34	593146.65	
2215.00	2.77	317.47	2211.10	-53.63	65.49	-89.03	0.23	455913.89	593143.47	
2260.00	2.16	320.01	2256.06	-54.90	66.94	-90.31	1.38	455915.34	593142.19	
2313.00	1.73	317.87	2309.03	-56.10	68.30	-91.49	0.82	455916.70	593141.01	
2407.00	4.08	315.18	2402.90	-59.08	71.72	-94.79	2.50	455920.12	593137.71	
2501.00	5.32	310.22	2496.58	-63.50	76.91	-100.48	1.39	455925.31	593132.02	
2595.00	5.14	311.54	2590.19	-68.23	82.51	-106.96	0.23	455930.91	593125.54	
2689.00	4.93	310.05	2683.83	-72.79	87.90	-113.20	0.26	455936.30	593119.30	
2783.00	4.99	311.02	2777.48	-77.24	93.19	-119.38	0.11	455941.59	593113.12	
2878.00	5.09	309.63	2872.11	-81.79	98.59	-125.74	0.17	455946.99	593106.76	
2971.00	4.76	311.99	2964.76	-86.19	103.80	-131.79	0.42	455952.20	593100.71	
3066.00	5.65	297.76	3059.38	-90.06	108.61	-138.86	1.64	455957.01	593093.64	
3160.00	5.68	292.21	3152.92	-92.88	112.53	-147.26	0.58	455960.93	593085.24	
3254.00	5.46	292.92	3246.47	-95.28	116.03	-155.68	0.25	455964.43	593076.82	
3348.00	5.12	293.34	3340.07	-97.64	119.43	-163.65	0.36	455967.83	593068.85	
3442.00	5.16	294.19	3433.69	-100.02	122.83	-171.36	0.09	455971.23	593061.14	
3536.00	4.93	295.17	3527.33	-102.49	126.28	-178.87	0.26	455974.68	593053.63	
3631.00	4.73	295.89	3621.99	-104.99	129.72	-186.09	0.22	455978.12	593046.41	
3725.00	4.70	293.38	3715.68	-107.29	132.94	-193.11	0.22	455981.34	593039.39	
3820.00	4.53	296.18	3810.37	-109.58	136.14	-200.05	0.30	455984.54	593032.45	
3915.00	4.55	293.25	3905.07	-111.83	139.28	-206.88	0.25	455987.68	593025.62	
4010.00	4.41	295.54	3999.78	-114.01	142.35	-213.64	0.24	455990.75	593018.86	
4105.00	6.01	288.96	4094.38	-116.15	145.54	-221.64	1.80	455993.94	593010.86	
4200.00	6.17	289.81	4188.85	-118.26	148.88	-231.14	0.19	455997.28	593001.36	
4295.00	5.85	289.87	4283.33	-120.42	152.26	-240.50	0.34	456000.66	592992.00	

SD Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
TD (US ft)	Inc (°)	Alt (ft)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	GRS (°/100US ft)	Heading (US ft)	Easting (US ft)	Comment
4390.00	5.44	289.61	4377.87	-122.43	155.42	-249.29	0.43	456003.82	592983.21	
4485.00	5.14	286.75	4472.46	-124.09	158.15	-257.61	0.42	456006.55	592974.89	
4580.00	5.86	297.90	4567.03	-126.49	161.65	-265.97	1.35	456010.05	592966.53	
4674.00	5.45	301.10	4660.57	-129.98	166.20	-274.04	0.55	456014.60	592958.46	
4769.00	5.35	302.80	4755.15	-133.71	170.93	-281.62	0.20	456019.33	592950.88	
4863.00	5.90	294.75	4848.69	-137.04	175.33	-289.69	1.02	456023.73	592942.81	
4957.00	5.91	290.30	4942.20	-139.58	179.03	-298.62	0.49	456027.43	592933.88	
5051.00	5.69	291.77	5035.72	-141.83	182.44	-307.49	0.28	456030.84	592925.01	
5146.00	5.52	292.41	5130.26	-144.20	185.92	-316.08	0.19	456034.32	592916.42	
5241.00	4.88	290.69	5224.87	-146.32	189.09	-324.09	0.69	456037.49	592908.41	
5336.00	4.59	292.80	5319.55	-148.27	192.00	-331.37	0.36	456040.40	592901.13	
5431.00	4.28	293.62	5414.26	-150.28	194.89	-338.12	0.33	456043.29	592894.38	
5526.00	5.10	303.29	5508.94	-153.13	198.63	-344.90	1.20	456047.03	592887.60	
5620.00	4.86	301.56	5602.59	-156.59	203.00	-351.79	0.30	456051.40	592880.71	
5715.00	4.32	296.65	5697.28	-159.43	206.72	-358.41	0.70	456055.12	592874.09	
5810.00	4.19	295.22	5792.02	-161.68	209.80	-364.75	0.18	456058.20	592867.75	
5905.00	4.41	299.23	5886.75	-164.11	213.06	-371.08	0.39	456061.46	592861.42	
5999.00	3.10	289.59	5980.55	-166.00	215.68	-376.63	1.54	456064.08	592855.87	
6094.00	2.60	319.01	6075.44	-167.98	218.17	-380.46	1.61	456066.57	592852.04	
6188.00	4.61	302.00	6169.25	-170.98	221.78	-385.06	2.40	456070.18	592847.44	
6283.00	4.99	287.85	6263.92	-173.33	225.07	-392.23	1.31	456073.47	592840.27	
6378.00	5.59	280.61	6358.52	-174.35	227.19	-400.72	0.94	456075.59	592831.78	
6472.00	4.95	293.38	6452.12	-175.74	229.64	-408.94	1.42	456078.04	592823.56	
6566.00	5.65	305.11	6545.72	-179.02	233.91	-416.45	1.37	456082.31	592816.05	
6661.00	5.75	300.28	6640.25	-183.06	239.00	-424.38	0.52	456087.40	592808.12	
6756.00	5.75	296.61	6734.78	-186.49	243.53	-432.75	0.39	456091.93	592799.75	
6851.00	5.52	296.85	6829.32	-189.59	247.72	-441.08	0.24	456096.12	592791.42	
6946.00	4.75	291.82	6923.94	-192.10	251.25	-448.81	0.94	456099.65	592783.69	
7041.00	5.08	307.02	7018.59	-195.17	255.25	-455.82	1.41	456103.65	592776.68	
7136.00	4.51	293.96	7113.26	-198.33	259.29	-462.59	1.29	456107.69	592769.91	
7231.00	4.77	289.41	7207.95	-200.23	262.12	-469.73	0.47	456110.52	592762.77	
7326.00	3.63	291.41	7302.69	-201.79	264.53	-476.25	1.21	456112.93	592756.25	
7421.00	5.10	295.05	7397.41	-203.81	267.42	-482.88	1.57	456115.82	592749.62	
7516.00	5.01	294.00	7492.04	-206.28	270.90	-490.49	0.14	456119.30	592742.01	
7611.00	4.49	294.66	7586.72	-208.58	274.13	-497.66	0.55	456122.53	592734.84	
7706.00	5.04	303.49	7681.39	-211.53	277.99	-504.52	0.96	456126.39	592727.98	
7801.00	4.07	301.14	7776.09	-214.74	282.03	-510.89	1.04	456130.43	592721.61	
7895.00	4.39	307.80	7869.83	-217.91	285.96	-516.58	0.62	456134.36	592715.92	
7990.00	5.08	308.65	7964.51	-221.94	290.82	-522.74	0.73	456139.22	592709.76	
8085.00	4.26	311.83	8059.19	-226.13	295.80	-528.66	0.90	456144.20	592703.84	
8180.00	4.72	321.97	8153.90	-230.88	301.23	-533.69	0.96	456149.63	592698.81	
8275.00	5.16	314.33	8248.55	-236.20	307.30	-539.16	0.83	456155.70	592693.34	
8369.00	3.98	312.71	8342.25	-240.63	312.46	-544.58	1.26	456160.86	592687.92	
8464.00	3.13	301.89	8437.07	-243.62	316.07	-549.20	1.14	456164.47	592683.30	
8559.00	2.69	292.31	8531.95	-245.28	318.29	-553.47	0.69	456166.69	592679.03	
8602.00	2.45	285.11	8574.90	-245.66	318.91	-555.29	0.93	456167.31	592677.21	
8678.00	4.64	242.44	8650.76	-244.13	317.91	-559.58	4.33	456166.31	592672.92	
8710.00	9.65	224.85	8682.51	-241.26	315.41	-562.62	16.91	456163.81	592669.88	
8741.00	13.91	212.00	8712.85	-235.81	310.40	-566.43	16.06	456158.80	592666.07	
8773.00	17.04	207.47	8743.69	-227.91	302.98	-570.64	10.48	456151.38	592661.86	
8804.00	20.64	205.87	8773.03	-218.46	294.03	-575.12	11.73	456142.43	592657.38	
8836.00	24.78	204.20	8802.54	-206.69	282.83	-580.33	13.09	456131.23	592652.17	
8867.00	28.83	203.53	8830.20	-193.29	270.05	-585.98	13.10	456118.45	592646.52	
8899.00	32.46	203.04	8857.73	-177.62	255.07	-592.42	11.37	456103.47	592640.08	
8930.00	35.67	202.25	8883.41	-160.87	239.04	-599.10	10.45	456087.44	592633.40	
8962.00	39.73	201.47	8908.72	-141.93	220.88	-606.38	12.77	456069.28	592626.12	
8994.00	44.41	202.02	8932.47	-121.18	200.97	-614.33	14.67	456049.37	592618.17	
9025.00	47.56	201.53	8954.00	-99.59	180.27	-622.59	10.22	456028.67	592609.91	
9057.00	50.90	201.29	8974.90	-76.09	157.71	-631.44	10.45	456006.11	592601.06	

SD Survey Report

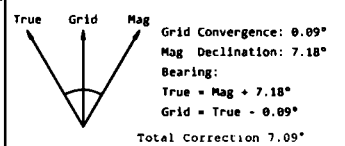
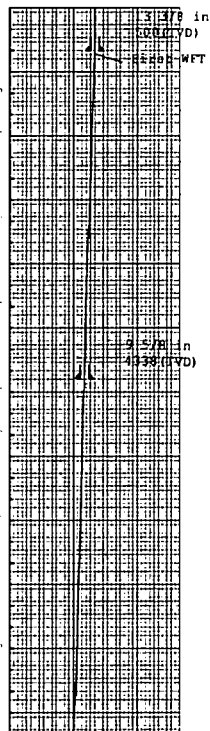
Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
Top (US ft)	Inc (°)	Alt (ft)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	D.S (°/1000 ft)	Depth (US ft)	Easting (US ft)	Comment
9089.00	54.23	201.38	8994.35	-51.44	134.05	-640.68	10.41	455982.45	592591.82	
9120.00	57.51	202.53	9011.74	-26.62	110.25	-650.28	11.02	455958.65	592582.22	
9152.00	59.74	203.71	9028.40	-0.33	85.13	-661.01	7.65	455933.53	592571.49	
9183.00	62.69	204.49	9043.32	25.67	60.33	-672.10	9.77	455908.73	592560.40	
9215.00	65.49	204.68	9057.31	53.15	34.16	-684.08	8.77	455882.56	592548.42	
9246.00	67.93	204.31	9069.56	80.36	8.25	-695.88	7.95	455856.65	592536.62	
9278.00	70.84	204.08	9080.83	109.01	-19.06	-708.15	9.12	455829.34	592524.35	
9310.00	73.12	203.57	9090.73	138.19	-46.90	-720.44	7.28	455801.50	592512.06	
9341.00	75.00	203.62	9099.24	166.80	-74.21	-732.38	6.07	455774.19	592500.12	
9373.00	77.53	203.32	9106.84	196.65	-102.73	-744.75	7.96	455745.67	592487.75	
9396.00	79.52	203.00	9111.41	218.33	-123.45	-753.62	8.76	455724.95	592478.88	
9483.00	84.11	201.18	9123.80	301.57	-203.22	-785.99	5.67	455645.18	592446.51	
9515.00	85.52	197.64	9126.69	332.73	-233.27	-796.57	11.87	455615.13	592435.93	
9547.00	87.06	194.42	9128.76	364.29	-263.96	-805.39	11.13	455584.44	592427.11	
9578.00	87.76	192.54	9130.16	395.08	-294.07	-812.61	6.47	455554.33	592419.89	
9610.00	88.60	190.87	9131.18	426.96	-325.39	-819.10	5.84	455523.01	592413.40	
9641.00	89.72	189.91	9131.63	457.91	-355.88	-824.69	4.76	455492.52	592407.81	
9736.00	89.72	188.19	9132.10	552.87	-449.69	-839.63	1.81	455398.71	592392.87	
9831.00	88.60	188.21	9133.49	647.84	-543.71	-853.18	1.18	455304.69	592379.32	
9926.00	90.84	186.46	9133.95	742.83	-637.92	-865.30	2.99	455210.48	592367.20	
10021.00	90.14	182.45	9133.14	837.69	-732.61	-872.68	4.28	455115.79	592359.82	
10116.00	89.23	181.44	9133.66	932.27	-827.55	-875.90	1.43	455020.85	592356.60	
10211.00	89.72	181.62	9134.53	1026.78	-922.51	-878.44	0.55	454925.89	592354.06	
10306.00	89.65	180.65	9135.05	1121.23	-1017.49	-880.32	1.02	454830.91	592352.18	
10401.00	89.44	179.48	9135.81	1215.47	-1112.48	-880.43	1.25	454735.92	592352.07	
10496.00	90.70	179.69	9135.69	1309.60	-1207.48	-879.74	1.34	454640.92	592352.76	
10591.00	89.72	179.99	9135.34	1403.79	-1302.48	-879.48	1.08	454545.92	592353.02	
10686.00	90.56	182.70	9135.11	1498.27	-1397.44	-881.71	2.99	454450.96	592350.79	
10781.00	89.72	182.40	9134.88	1592.94	-1492.35	-885.93	0.94	454356.05	592346.57	
10876.00	90.14	182.68	9135.00	1687.61	-1587.25	-890.14	0.53	454261.15	592342.36	
10971.00	90.56	183.69	9134.42	1782.36	-1682.10	-895.42	1.15	454166.30	592337.08	
11066.00	89.58	180.74	9134.30	1876.98	-1777.02	-899.09	3.27	454071.38	592333.41	
11161.00	90.21	182.83	9134.47	1971.53	-1871.97	-902.05	2.30	453976.43	592330.45	
11255.00	91.89	185.37	9132.75	2065.35	-1965.70	-908.77	3.24	453882.70	592323.73	
11350.00	87.90	181.65	9132.93	2160.11	-2060.49	-914.58	5.74	453787.91	592317.92	
11445.00	89.37	181.77	9135.19	2254.63	-2155.41	-917.42	1.55	453692.99	592315.08	
11539.00	89.86	181.99	9135.82	2348.20	-2249.36	-920.50	0.57	453599.04	592312.00	
11634.00	90.42	181.89	9135.59	2442.78	-2344.31	-923.72	0.60	453504.09	592308.78	
11729.00	87.90	182.33	9136.98	2537.38	-2439.22	-927.22	2.69	453409.18	592305.28	
11824.00	90.70	179.80	9138.14	2631.79	-2534.18	-928.98	3.97	453314.22	592303.52	
11919.00	89.86	178.03	9137.68	2725.76	-2629.16	-927.18	2.06	453219.24	592305.32	
12014.00	91.12	179.74	9136.86	2819.73	-2724.13	-925.33	2.24	453124.27	592307.17	
12109.00	92.17	177.04	9134.14	2913.53	-2819.05	-922.67	3.05	453029.35	592309.83	
12203.00	91.61	176.65	9131.04	3005.92	-2912.85	-917.49	0.73	452935.55	592315.01	
12298.00	91.89	177.18	9128.14	3099.31	-3007.67	-912.38	0.63	452840.73	592320.12	
12393.00	87.48	178.61	9128.66	3193.01	-3102.58	-908.90	4.88	452745.82	592323.60	
12488.00	87.90	179.24	9132.49	3286.92	-3197.48	-907.11	0.80	452650.92	592325.39	
12583.00	90.63	180.44	9133.71	3381.09	-3292.47	-906.85	3.14	452555.93	592325.65	
12678.00	91.68	181.21	9131.79	3475.46	-3387.43	-908.22	1.37	452460.97	592324.28	
12773.00	89.72	177.88	9130.63	3569.57	-3482.41	-907.46	4.07	452365.99	592325.04	
12868.00	90.28	178.08	9130.63	3663.31	-3577.35	-904.11	0.63	452271.05	592328.39	
12962.00	90.70	176.64	9129.83	3755.89	-3671.24	-899.78	1.60	452177.16	592332.72	
13057.00	89.79	177.56	9129.42	3849.38	-3766.12	-894.98	1.36	452082.28	592337.52	
13152.00	89.02	177.79	9130.41	3943.04	-3861.03	-891.12	0.85	451987.37	592341.38	
13246.00	94.06	178.54	9127.88	4035.78	-3954.92	-888.12	5.42	451893.48	592344.38	
13341.00	92.24	178.22	9122.66	4129.48	-4049.73	-885.43	1.95	451798.67	592347.07	
13436.00	90.28	178.38	9120.57	4223.28	-4144.66	-882.62	2.07	451703.74	592349.88	
13531.00	91.26	179.53	9119.29	4317.26	-4239.64	-880.88	1.59	451608.76	592351.62	
13625.00	89.65	181.81	9118.55	4410.62	-4333.62	-881.98	2.97	451514.78	592350.52	

SD Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
SD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	Horizal (US ft)	Horizal (US ft)	GIS (° 100US ft)	Horizal (US ft)	Eastng (US ft)	Comments
13721.00	92.80	183.14	9116.50	4506.24	-4429.49	-886.13	3.56	451418.91	592346.37	
13816.00	92.45	182.07	9112.15	4600.82	-4524.29	-890.44	1.18	451324.11	592342.06	
13911.00	93.29	181.31	9107.39	4695.24	-4619.13	-893.24	1.19	451229.27	592339.26	
14006.00	87.27	181.23	9106.92	4789.67	-4714.06	-895.34	6.34	451134.34	592337.16	
14101.00	87.20	181.32	9111.51	4884.03	-4808.93	-897.45	0.12	451039.47	592335.05	
14196.00	86.92	180.85	9116.38	4978.35	-4903.79	-899.25	0.58	450944.61	592333.25	
14290.00	90.14	181.77	9118.79	5071.79	-4997.72	-901.40	3.56	450850.68	592331.10	
14385.00	89.86	181.14	9118.79	5166.29	-5092.69	-903.81	0.73	450755.71	592328.69	
14480.00	86.01	179.94	9122.21	5260.55	-5187.60	-904.71	4.24	450660.80	592327.79	
14575.00	92.94	183.33	9123.08	5355.01	-5282.49	-907.42	8.12	450565.91	592325.08	
14670.00	89.51	181.57	9121.05	5449.63	-5377.36	-911.48	4.06	450471.04	592321.02	
14765.00	87.20	180.48	9123.78	5544.01	-5472.30	-913.18	2.69	450376.10	592319.32	
14859.00	91.40	182.19	9124.93	5637.47	-5566.24	-915.36	4.82	450282.16	592317.14	
14954.00	88.88	182.36	9124.70	5732.09	-5661.16	-919.14	2.66	450187.24	592313.36	
15049.00	88.18	182.95	9127.13	5826.75	-5756.02	-923.53	0.96	450092.38	592308.97	
15143.00	90.21	183.36	9128.45	5920.49	-5849.87	-928.71	2.20	449998.53	592303.79	
15238.00	88.95	182.82	9129.15	6015.23	-5944.72	-933.83	1.44	449903.68	592298.67	
15334.00	92.17	182.25	9128.21	6110.87	-6040.61	-938.07	3.41	449807.79	592294.43	
15429.00	89.16	181.27	9127.11	6205.41	-6135.55	-940.99	3.33	449712.85	592291.51	
15524.00	88.60	180.61	9128.97	6299.81	-6230.52	-942.55	0.91	449617.88	592289.95	
15619.00	91.33	181.87	9129.02	6394.26	-6325.48	-944.60	3.16	449522.92	592287.90	
15714.00	89.16	181.96	9128.62	6488.83	-6420.42	-947.78	2.29	449427.98	592284.72	
15809.00	92.03	180.88	9127.63	6583.32	-6515.38	-950.13	3.23	449333.02	592282.37	
15904.00	89.72	175.12	9126.18	6677.01	-6610.26	-946.82	6.53	449238.14	592285.68	
15999.00	91.47	173.42	9125.19	6769.55	-6704.78	-937.33	2.57	449143.62	592295.17	
16094.00	93.22	175.24	9121.31	6862.03	-6799.23	-927.96	2.66	449049.17	592304.54	
16189.00	93.22	176.68	9115.97	6955.03	-6893.84	-921.27	1.51	448954.56	592311.23	
16284.00	93.57	177.71	9110.34	7048.38	-6988.56	-916.63	1.14	448859.84	592315.87	
16379.00	89.51	178.03	9107.79	7142.04	-7083.44	-913.10	4.29	448764.96	592319.40	
16474.00	89.93	179.15	9108.26	7235.94	-7178.40	-910.77	1.26	448670.00	592321.73	
16513.00	90.35	179.05	9108.16	7274.54	-7217.40	-910.15	1.11	448631.00	592322.35	Last WFT MWD Svy
16570.00	90.35	179.05	9107.81	7330.95	-7274.39	-909.21	0.00	448574.01	592323.29	Proj to TD



KB: 3179.00
GL: 3152.00



Plan Data for South Loving 2/11 W0DE State Com 1H

Field: Mewbourne Oil Company (Mad 83 WMEZ)
Map Unit: USFt Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / New Mexico East (ftUS)

Site: South Loving 2/11 Pad
Unit: USFet TVD Reference:
Company Name: Mewbourne Oil Company
Position: Northing: 455848.40USft Latitude: 32.253091°
Easting: 593232.58USft Longitude: -104.165461°
North Reference: Grid Grid Convergence: 0.09°
Elevation Above VRD: 3152.00USft
Comment: Eddy Co., NM

Slot: South Loving 2/11 W0DE State Com 1H
Position:
Offset is from Site centre
+N/-S: 0.00USft Northing: 455848.40USft Latitude: 32.253091°
+E/-W: 0.00USft Easting: 593232.58USft Longitude: -104.165461°
Elevation Above VRD: 3152.00USft

Well: South Loving 2/11 W0DE State Com 1H
Type: Main-Well
File Number: 13263791

Plan Folder: P2 Plan: P2:V2
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 187.31°
+E/-W: 0.00USft

Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
bggm2018 47839(nT) 7.18° 59.91° 2018-07-10
Comment: Patterson 217

Plan Data for South Loving 2/11 W0DE State Com 1H

Plan Point Information:
Dogleg Severity Unit: °/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS Comments
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)
9926.00	90.84	186.46	9133.95	-637.92	-865.30	455210.48	592367.20	742.83	2.99 TieOn Svy
9991.00	90.84	186.46	9133.00	-702.50	-872.62	455145.90	592359.88	887.82	0.00 PTB- Drop/Turn
10149.32	88.64	182.24	9133.69	-860.31	-884.62	454988.09	592347.88	965.88	3.00 Build/Turn
10261.71	90.00	180.44	9135.00	-972.66	-887.24	454875.74	592345.26	1077.65	2.00 Hold
16576.53	90.00	180.44	9135.00	-7287.30	-935.20	448561.10	592297.30	7347.06	0.00 W0DE SC1H PBHL

Plan Data for South Loving 2/11 W0DE State Com 1H

Target Set Information:
Name: W0DE SC1H

Position offsets from Slot centre

Name	TVD Elevation	+N/-S	+E/-W	Northing	Easting
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)
PBHL	9135.00	-5956.00	-7287.30	-935.20	448561.10

Plan Data for South Loving 2/11 W0DE State Com 1H

Casing Point Information:
Position offsets from Slot centre

Name	MD	TVD	+N/-S	+E/-W	Northing	Easting
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)
13 3/8 in	500.01	500.00	1.11	-1.50	455849.51	592331.00
9 5/8 in	4349.95	4338.00	154.12	-245.66	456002.52	592986.84
7 in	9435.00	9117.82	-158.97	-768.39	455689.43	592464.11

Drilling by: Ty Herndon Date: 20 June 2018
Office Name: Drilling Services - Houston
400 West 128th Street
Houston, TX 77066
Phone: Office: +1.832.955.0012 | Cell: +1.713.882.8294

