



Weatherford

30-015-44967

**NM OIL CONSERVATION
ARTESIA DISTRICT**

DEC 12 2018

RECEIVED

End of Well Report

Mewbourne Oil Co.

Rig: Patterson 217
Well: South Loving 2/11 WOCF State Com 1H
County: Eddy
State: New Mexico
Date: August 28, 2018
Report By: Ty Hardin

Start Date: August 5, 2018
End Date: August 27, 2018



**MEWBOURNE
OIL COMPANY**



MEWBOURNE
OIL COMPANY

5D Plan 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 W0CF State Com 1H*

File number: *TBD*

Plan: *P1:V1*

20 June 2018



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South Loving 2/11 WOCF 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	
	Position:	Northing: 455848.40 US ft	Latitude: 32.25	
		Easting: 593232.50 US ft	Longitude: -104.17	
	Elevation above MSL: 3152.00 US ft		Comment: Eddy Co., NM	
Slot: South Loving 2/11 WOCF State Com 1H	Position (Relative to Site Centre)			
	+N/-S: 0.30 US ft	Northing: 455848.70 US ft	Latitude: 32.25	
	+E/-W: 30.00 US ft	Easting: 593262.50 US ft	Longitude: -104.17	
	Slot TVD Reference: Ground Elevation			
	Elevation above MSL: 3152.00 US ft			
Well: South Loving 2/11 WOCF State Com 1H	Type: Main well		UWI:	Plan: P1:V1
	File Number: TBD	Comment: Patterson 217		
	Closure Distance: 7314.4 US ft		Closure Azimuth: 173.53°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00 US ft		+E/-W: 0.00 US ft	Az: 179.53°
	Magnetic Parameters:			
	Model: bggm2018	Field Strength: 47835.0 nT	Declination: 7.18°	Dip: 59.93° Date: 25/Jul/2018

Drill floor: Plan: P1:V1

Rig Height (Drill Floor): 27.00 US ft **Elevation above MSL:** 3179.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00°

Target set: WOCF SC1H Comment:								
Target Name:	Shape:	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	C. Pt. Distance (US ft)	Comment
PBHL	Point	9184.00	-7267.80	824.30	448580.90	594086.80	0.00	

Casing Points: (Relative to Slot centre) (TVD relative to Drill Floor)								
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)
13 3/8 in	500.00	0.00	0.00	500.00	0.00	0.00	455848.70	593262.50

Wellpath created using minimum curvature.

SD Plan Report

Tie Point:
MD: 0.00USFt **Inclination:** 0.00° **Azimuth:** 0.00° **TVD:** 0.00USFt **North Offset:** 0.00USFt **East Offset:** 0.00USFt

Salient Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
600.00	0.00	0.00	600.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	Nudge
1100.04	5.00	59.10	1099.40	-11.04	11.20	18.71	455859.90	593281.21	1.00	Hold
8740.84	5.00	59.10	8711.13	-348.33	353.19	590.13	456201.89	593852.63	0.00	KOP
9502.42	90.11	163.95	9197.52	101.28	-95.04	761.96	455753.66	594024.46	12.00	Turn
10327.10	90.11	180.44	9195.94	916.40	-909.27	873.54	454939.43	594136.04	2.00	Hold
16685.84	90.11	180.44	9184.00	7274.32	-7267.80	824.30	448580.90	594086.80	0.00	WOCF SC1H PBHL

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
100.00	0.00	0.00	100.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
200.00	0.00	0.00	200.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
300.00	0.00	0.00	300.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
400.00	0.00	0.00	400.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	
500.00	0.00	0.00	500.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	13 3/8 in
600.00	0.00	0.00	600.00	-0.00	0.00	0.00	455848.70	593262.50	0.00	Nudge
700.00	1.00	59.10	699.99	-0.44	0.45	0.75	455849.15	593263.25	1.00	
800.00	2.00	59.10	799.96	-1.77	1.79	2.99	455850.49	593265.49	1.00	
900.00	3.00	59.10	899.86	-3.98	4.03	6.74	455852.73	593269.24	1.00	
1000.00	4.00	59.10	999.68	-7.07	7.17	11.98	455855.87	593274.48	1.00	
1100.00	5.00	59.10	1099.37	-11.04	11.20	18.71	455859.90	593281.21	1.00	
1100.04	5.00	59.10	1099.40	-11.04	11.20	18.71	455859.90	593281.21	0.00	Hold
1200.00	5.00	59.10	1198.99	-15.46	15.67	26.19	455864.37	593288.69	0.00	
1300.00	5.00	59.10	1298.60	-19.87	20.15	33.66	455868.85	593296.16	0.00	
1400.00	5.00	59.10	1398.22	-24.29	24.62	41.14	455873.32	593303.64	0.00	
1500.00	5.00	59.10	1497.84	-28.70	29.10	48.62	455877.80	593311.12	0.00	
1600.00	5.00	59.10	1597.46	-33.11	33.58	56.10	455882.28	593318.60	0.00	
1700.00	5.00	59.10	1697.08	-37.53	38.05	63.58	455886.75	593326.08	0.00	
1800.00	5.00	59.10	1796.70	-41.94	42.53	71.06	455891.23	593333.56	0.00	
1900.00	5.00	59.10	1896.32	-46.36	47.00	78.54	455895.70	593341.04	0.00	
2000.00	5.00	59.10	1995.94	-50.77	51.48	86.01	455900.18	593348.51	0.00	
2100.00	5.00	59.10	2095.56	-55.19	55.95	93.49	455904.65	593355.99	0.00	
2200.00	5.00	59.10	2195.18	-59.60	60.43	100.97	455909.13	593363.47	0.00	
2300.00	5.00	59.10	2294.80	-64.01	64.91	108.45	455913.61	593370.95	0.00	
2400.00	5.00	59.10	2394.42	-68.43	69.38	115.93	455918.08	593378.43	0.00	
2500.00	5.00	59.10	2494.04	-72.84	73.86	123.41	455922.56	593385.91	0.00	
2600.00	5.00	59.10	2593.66	-77.26	78.33	130.89	455927.03	593393.39	0.00	
2700.00	5.00	59.10	2693.28	-81.67	82.81	138.36	455931.51	593400.86	0.00	
2800.00	5.00	59.10	2792.90	-86.09	87.28	145.84	455935.98	593408.34	0.00	
2900.00	5.00	59.10	2892.52	-90.50	91.76	153.32	455940.46	593415.82	0.00	
3000.00	5.00	59.10	2992.14	-94.91	96.24	160.80	455944.94	593423.30	0.00	
3100.00	5.00	59.10	3091.76	-99.33	100.71	168.28	455949.41	593430.78	0.00	
3200.00	5.00	59.10	3191.37	-103.74	105.19	175.76	455953.89	593438.26	0.00	
3300.00	5.00	59.10	3290.99	-108.16	109.66	183.23	455958.36	593445.73	0.00	
3400.00	5.00	59.10	3390.61	-112.57	114.14	190.71	455962.84	593453.21	0.00	
3500.00	5.00	59.10	3490.23	-116.99	118.62	198.19	455967.32	593460.69	0.00	
3600.00	5.00	59.10	3589.85	-121.40	123.09	205.67	455971.79	593468.17	0.00	
3700.00	5.00	59.10	3689.47	-125.81	127.57	213.15	455976.27	593475.65	0.00	
3800.00	5.00	59.10	3789.09	-130.23	132.04	220.63	455980.74	593483.13	0.00	
3900.00	5.00	59.10	3888.71	-134.64	136.52	228.11	455985.22	593490.61	0.00	
4000.00	5.00	59.10	3988.33	-139.06	140.99	235.58	455989.69	593498.08	0.00	
4100.00	5.00	59.10	4087.95	-143.47	145.47	243.06	455994.17	593505.56	0.00	
4200.00	5.00	59.10	4187.57	-147.89	149.95	250.54	455998.65	593513.04	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
4300.00	5.00	59.10	4287.19	-152.30	154.42	258.02	456003.12	593520.52	0.00	
4400.00	5.00	59.10	4386.81	-156.71	158.90	265.50	456007.60	593528.00	0.00	
4500.00	5.00	59.10	4486.43	-161.13	163.37	272.98	456012.07	593535.48	0.00	
4600.00	5.00	59.10	4586.05	-165.54	167.85	280.46	456016.55	593542.96	0.00	
4700.00	5.00	59.10	4685.67	-169.96	172.33	287.93	456021.03	593550.43	0.00	
4800.00	5.00	59.10	4785.29	-174.37	176.80	295.41	456025.50	593557.91	0.00	
4900.00	5.00	59.10	4884.91	-178.79	181.28	302.89	456029.98	593565.39	0.00	
5000.00	5.00	59.10	4984.53	-183.20	185.75	310.37	456034.45	593572.87	0.00	
5100.00	5.00	59.10	5084.14	-187.61	190.23	317.85	456038.93	593580.35	0.00	
5200.00	5.00	59.10	5183.76	-192.03	194.70	325.33	456043.40	593587.83	0.00	
5300.00	5.00	59.10	5283.38	-196.44	199.18	332.81	456047.88	593595.31	0.00	
5400.00	5.00	59.10	5383.00	-200.86	203.66	340.28	456052.36	593602.78	0.00	
5500.00	5.00	59.10	5482.62	-205.27	208.13	347.76	456056.83	593610.26	0.00	
5600.00	5.00	59.10	5582.24	-209.69	212.61	355.24	456061.31	593617.74	0.00	
5700.00	5.00	59.10	5681.86	-214.10	217.08	362.72	456065.78	593625.22	0.00	
5800.00	5.00	59.10	5781.48	-218.51	221.56	370.20	456070.26	593632.70	0.00	
5900.00	5.00	59.10	5881.10	-222.93	226.03	377.68	456074.73	593640.18	0.00	
6000.00	5.00	59.10	5980.72	-227.34	230.51	385.15	456079.21	593647.65	0.00	
6100.00	5.00	59.10	6080.34	-231.76	234.99	392.63	456083.69	593655.13	0.00	
6200.00	5.00	59.10	6179.96	-236.17	239.46	400.11	456088.16	593662.61	0.00	
6300.00	5.00	59.10	6279.58	-240.59	243.94	407.59	456092.64	593670.09	0.00	
6400.00	5.00	59.10	6379.20	-245.00	248.41	415.07	456097.11	593677.57	0.00	
6500.00	5.00	59.10	6478.82	-249.41	252.89	422.55	456101.59	593685.05	0.00	
6600.00	5.00	59.10	6578.44	-253.83	257.37	430.03	456106.07	593692.53	0.00	
6700.00	5.00	59.10	6678.06	-258.24	261.84	437.50	456110.54	593700.00	0.00	
6800.00	5.00	59.10	6777.68	-262.66	266.32	444.98	456115.02	593707.48	0.00	
6900.00	5.00	59.10	6877.29	-267.07	270.79	452.46	456119.49	593714.96	0.00	
7000.00	5.00	59.10	6976.91	-271.49	275.27	459.94	456123.97	593722.44	0.00	
7100.00	5.00	59.10	7076.53	-275.90	279.74	467.42	456128.44	593729.92	0.00	
7200.00	5.00	59.10	7176.15	-280.32	284.22	474.90	456132.92	593737.40	0.00	
7300.00	5.00	59.10	7275.77	-284.73	288.70	482.38	456137.40	593744.88	0.00	
7400.00	5.00	59.10	7375.39	-289.14	293.17	489.85	456141.87	593752.35	0.00	
7500.00	5.00	59.10	7475.01	-293.56	297.65	497.33	456146.35	593759.83	0.00	
7600.00	5.00	59.10	7574.63	-297.97	302.12	504.81	456150.82	593767.31	0.00	
7700.00	5.00	59.10	7674.25	-302.39	306.60	512.29	456155.30	593774.79	0.00	
7800.00	5.00	59.10	7773.87	-306.80	311.08	519.77	456159.78	593782.27	0.00	
7900.00	5.00	59.10	7873.49	-311.22	315.55	527.25	456164.25	593789.75	0.00	
8000.00	5.00	59.10	7973.11	-315.63	320.03	534.73	456168.73	593797.23	0.00	
8100.00	5.00	59.10	8072.73	-320.04	324.50	542.20	456173.20	593804.70	0.00	
8200.00	5.00	59.10	8172.35	-324.46	328.98	549.68	456177.68	593812.18	0.00	
8300.00	5.00	59.10	8271.97	-328.87	333.45	557.16	456182.15	593819.66	0.00	
8400.00	5.00	59.10	8371.59	-333.29	337.93	564.64	456186.63	593827.14	0.00	
8500.00	5.00	59.10	8471.21	-337.70	342.41	572.12	456191.11	593834.62	0.00	
8600.00	5.00	59.10	8570.83	-342.12	346.88	579.60	456195.58	593842.10	0.00	
8700.00	5.00	59.10	8670.45	-346.53	351.36	587.08	456200.06	593849.58	0.00	
8740.84	5.00	59.10	8711.13	-348.33	353.19	590.13	456201.89	593852.63	0.00	KOP
8800.00	7.56	124.36	8770.00	-347.41	352.31	595.56	456201.01	593858.06	12.00	
8900.00	18.44	149.25	8867.35	-329.93	334.94	609.13	456183.64	593871.63	12.00	
9000.00	30.17	155.58	8958.34	-293.17	298.33	627.68	456147.03	593890.18	12.00	
9100.00	42.05	158.56	9038.99	-238.73	244.08	650.39	456092.78	593912.89	12.00	
9200.00	53.97	160.41	9105.77	-169.01	174.56	676.28	456023.26	593938.78	12.00	
9300.00	65.91	161.77	9155.77	-87.03	92.81	704.21	455941.51	593966.71	12.00	
9400.00	77.86	162.90	9186.81	3.61	2.40	732.97	455851.10	593995.47	12.00	
9500.00	89.82	163.93	9197.51	98.96	-92.71	761.29	455755.99	594023.79	12.00	
9502.42	90.11	163.95	9197.52	101.28	-95.04	761.96	455753.66	594024.46	12.00	Turn
9600.00	90.11	165.90	9197.33	195.71	-189.26	787.34	455659.44	594049.84	2.00	
9700.00	90.11	167.90	9197.14	293.28	-286.65	810.00	455562.05	594072.50	2.00	
9800.00	90.11	169.90	9196.94	391.56	-384.77	829.25	455463.93	594091.75	2.00	
9900.00	90.11	171.90	9196.75	490.43	-483.51	845.06	455365.19	594107.56	2.00	

SD Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (%/100US ft)	
10000.00	90.11	173.90	9196.56	589.75	-582.74	857.42	455265.96	594119.92	2.00	
10100.00	90.11	175.90	9196.37	689.42	-682.34	866.30	455166.36	594128.80	2.00	
10200.00	90.11	177.90	9196.18	789.31	-782.19	871.71	455066.51	594134.21	2.00	
10300.00	90.11	179.90	9195.99	889.30	-882.16	873.62	454966.54	594136.12	2.00	
10327.10	90.11	180.44	9195.94	916.40	-909.27	873.54	454939.43	594136.04	2.00	Hold
10400.00	90.11	180.44	9195.80	989.29	-982.16	872.98	454866.54	594135.48	0.00	
10500.00	90.11	180.44	9195.61	1089.28	-1082.16	872.20	454766.54	594134.70	0.00	
10600.00	90.11	180.44	9195.43	1189.26	-1182.15	871.43	454666.55	594133.93	0.00	
10700.00	90.11	180.44	9195.24	1289.25	-1282.15	870.65	454566.55	594133.15	0.00	
10800.00	90.11	180.44	9195.05	1389.24	-1382.15	869.88	454466.55	594132.38	0.00	
10900.00	90.11	180.44	9194.86	1489.22	-1482.15	869.11	454366.55	594131.61	0.00	
11000.00	90.11	180.44	9194.68	1589.21	-1582.14	868.33	454266.56	594130.83	0.00	
11100.00	90.11	180.44	9194.49	1689.20	-1682.14	867.56	454166.56	594130.06	0.00	
11200.00	90.11	180.44	9194.30	1789.19	-1782.14	866.78	454066.56	594129.28	0.00	
11300.00	90.11	180.44	9194.11	1889.17	-1882.13	866.01	453966.57	594128.51	0.00	
11400.00	90.11	180.44	9193.92	1989.16	-1982.13	865.23	453866.57	594127.73	0.00	
11500.00	90.11	180.44	9193.74	2089.15	-2082.13	864.46	453766.57	594126.96	0.00	
11600.00	90.11	180.44	9193.55	2189.13	-2182.12	863.69	453666.58	594126.19	0.00	
11700.00	90.11	180.44	9193.36	2289.12	-2282.12	862.91	453566.58	594125.41	0.00	
11800.00	90.11	180.44	9193.17	2389.11	-2382.12	862.14	453466.58	594124.64	0.00	
11900.00	90.11	180.44	9192.99	2489.10	-2482.11	861.36	453366.59	594123.86	0.00	
12000.00	90.11	180.44	9192.80	2589.08	-2582.11	860.59	453266.59	594123.09	0.00	
12100.00	90.11	180.44	9192.61	2689.07	-2682.11	859.81	453166.59	594122.31	0.00	
12200.00	90.11	180.44	9192.42	2789.06	-2782.10	859.04	453066.60	594121.54	0.00	
12300.00	90.11	180.44	9192.23	2889.04	-2882.10	858.26	452966.60	594120.76	0.00	
12400.00	90.11	180.44	9192.05	2989.03	-2982.10	857.49	452866.60	594119.99	0.00	
12500.00	90.11	180.44	9191.86	3089.02	-3082.09	856.72	452766.61	594119.22	0.00	
12600.00	90.11	180.44	9191.67	3189.01	-3182.09	855.94	452666.61	594118.44	0.00	
12700.00	90.11	180.44	9191.48	3288.99	-3282.09	855.17	452566.61	594117.67	0.00	
12800.00	90.11	180.44	9191.30	3388.98	-3382.08	854.39	452466.62	594116.89	0.00	
12900.00	90.11	180.44	9191.11	3488.97	-3482.08	853.62	452366.62	594116.12	0.00	
13000.00	90.11	180.44	9190.92	3588.95	-3582.08	852.84	452266.62	594115.34	0.00	
13100.00	90.11	180.44	9190.73	3688.94	-3682.08	852.07	452166.62	594114.57	0.00	
13200.00	90.11	180.44	9190.54	3788.93	-3782.07	851.29	452066.63	594113.79	0.00	
13300.00	90.11	180.44	9190.36	3888.92	-3882.07	850.52	451966.63	594113.02	0.00	
13400.00	90.11	180.44	9190.17	3988.90	-3982.07	849.75	451866.63	594112.25	0.00	
13500.00	90.11	180.44	9189.98	4088.89	-4082.06	848.97	451766.64	594111.47	0.00	
13600.00	90.11	180.44	9189.79	4188.88	-4182.06	848.20	451666.64	594110.70	0.00	
13700.00	90.11	180.44	9189.61	4288.86	-4282.06	847.42	451566.64	594109.92	0.00	
13800.00	90.11	180.44	9189.42	4388.85	-4382.05	846.65	451466.65	594109.15	0.00	
13900.00	90.11	180.44	9189.23	4488.84	-4482.05	845.87	451366.65	594108.37	0.00	
14000.00	90.11	180.44	9189.04	4588.82	-4582.05	845.10	451266.65	594107.60	0.00	
14100.00	90.11	180.44	9188.85	4688.81	-4682.04	844.32	451166.66	594106.82	0.00	
14200.00	90.11	180.44	9188.67	4788.80	-4782.04	843.55	451066.66	594106.05	0.00	
14300.00	90.11	180.44	9188.48	4888.79	-4882.04	842.78	450966.66	594105.28	0.00	
14400.00	90.11	180.44	9188.29	4988.77	-4982.03	842.00	450866.67	594104.50	0.00	
14500.00	90.11	180.44	9188.10	5088.76	-5082.03	841.23	450766.67	594103.73	0.00	
14600.00	90.11	180.44	9187.92	5188.75	-5182.03	840.45	450666.67	594102.95	0.00	
14700.00	90.11	180.44	9187.73	5288.73	-5282.02	839.68	450566.68	594102.18	0.00	
14800.00	90.11	180.44	9187.54	5388.72	-5382.02	838.90	450466.68	594101.40	0.00	
14900.00	90.11	180.44	9187.35	5488.71	-5482.02	838.13	450366.68	594100.63	0.00	
15000.00	90.11	180.44	9187.17	5588.70	-5582.01	837.36	450266.69	594099.86	0.00	
15100.00	90.11	180.44	9186.98	5688.68	-5682.01	836.58	450166.69	594099.08	0.00	
15200.00	90.11	180.44	9186.79	5788.67	-5782.01	835.81	450066.69	594098.31	0.00	
15300.00	90.11	180.44	9186.60	5888.66	-5882.01	835.03	449966.69	594097.53	0.00	
15400.00	90.11	180.44	9186.41	5988.64	-5982.00	834.26	449866.70	594096.76	0.00	
15500.00	90.11	180.44	9186.23	6088.63	-6082.00	833.48	449766.70	594095.98	0.00	
15600.00	90.11	180.44	9186.04	6188.62	-6182.00	832.71	449666.70	594095.21	0.00	
15700.00	90.11	180.44	9185.85	6288.61	-6281.99	831.93	449566.71	594094.43	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
15800.00	90.11	180.44	9185.66	6388.59	-6381.99	831.16	449466.71	594093.66	0.00	
15900.00	90.11	180.44	9185.48	6488.58	-6481.99	830.39	449366.71	594092.89	0.00	
16000.00	90.11	180.44	9185.29	6588.57	-6581.98	829.61	449266.72	594092.11	0.00	
16100.00	90.11	180.44	9185.10	6688.55	-6681.98	828.84	449166.72	594091.34	0.00	
16200.00	90.11	180.44	9184.91	6788.54	-6781.98	828.06	449066.72	594090.56	0.00	
16300.00	90.11	180.44	9184.72	6888.53	-6881.97	827.29	448966.73	594089.79	0.00	
16400.00	90.11	180.44	9184.54	6988.52	-6981.97	826.51	448866.73	594089.01	0.00	
16500.00	90.11	180.44	9184.35	7088.50	-7081.97	825.74	448766.73	594088.24	0.00	
16600.00	90.11	180.44	9184.16	7188.49	-7181.96	824.96	448666.74	594087.46	0.00	
16685.84	90.11	180.44	9184.00	7274.32	-7267.80	824.30	448580.90	594086.80	0.00	WOCF SC1H PBHL

**PLAN VERSUS ACTUAL
DRAWING & FINAL SURVEYS**

SECTION 2



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 W0CF State Com 1H*

File number: *13266380*

Survey: *Definitive survey*

27 August 2018



Weatherford®



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 WOCF State Com 1H*

File number: *13266380*

Survey: *Definitive survey*

27 August 2018





South Loving 2/11 WOCF 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	
	Position:	Northing: 455848.40 US ft	Latitude: 32.253091085	
		Easting: 593232.50 US ft	Longitude: -104.165461004	
	Elevation above MSL: 3152.00 US ft			
Comment: Eddy Co., NM				
Slot: South Loving 2/11 WOCF State Com 1H	Position (Relative to Site Centre)			
	+N/-S: 0.30 US ft	Northing: 455848.70 US ft	Latitude: 32.253091781	
	+E/-W: 30.00 US ft	Easting: 593262.50 US ft	Longitude: -104.165363957	
	Slot TVD Reference: Ground Elevation			
	Elevation above MSL: 3152.00 US ft			
Well: South Loving 2/11 WOCF State Com 1H	Type: Main well		UWI:	
	File Number: 13266380	Comment: Patterson 217		
	Closure Distance: 7301.62 US ft		Closure Azimuth: 173.96°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00 US ft	+E/-W: 0.00 US ft	Az: 179.53°	

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: 25/Jul/2018

Field Strength: 47835.0nT

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	452.50	Phoenix Gyro
MWD	452.50	2258.00	MWD 1
MWD	2258.00	7800.00	MWD 2

5D Survey Report

Survey Tool Ranges			
Name	Start MD(USft)	End MD(USft)	Source Survey
MWD	7800.00	8642.00	MWD 3
MWD	8642.00	8801.00	MWD 4
MWD	8801.00	9458.00	MWD 5
MWD	9458.00	15081.00	MWD 6
MWD	15081.00	15176.00	MWD 7
MWD	15176.00	16605.00	MWD 8

Wellpath created using minimum curvature.

Survey Points (Relative to Slot centre)(TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment	
0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	455848.70	593262.50		
98.50	0.40	159.00	98.50	0.32	-0.32	0.12	0.41	455848.38	593262.62		
198.50	0.14	1.44	198.50	0.53	-0.52	0.25	0.53	455848.18	593262.75		
298.50	0.65	70.12	298.50	0.22	-0.21	0.79	0.61	455848.49	593263.29		
398.50	0.22	106.98	398.49	0.09	-0.07	1.50	0.49	455848.63	593264.00		
452.50	0.30	134.14	452.49	0.22	-0.20	1.71	0.27	455848.50	593264.21	Tie onto Phoenix Gyro	
597.00	1.00	143.66	596.98	1.50	-1.48	2.72	0.49	455847.22	593265.22	First WFT MWD Svy	
687.00	2.35	72.27	686.95	1.59	-1.55	4.95	2.49	455847.15	593267.45		
747.00	3.42	66.37	746.87	0.52	-0.46	7.76	1.85	455848.24	593270.26		
812.00	3.37	64.89	811.76	-1.04	1.13	11.26	0.16	455849.83	593273.76		
876.00	3.08	52.95	875.66	-2.84	2.96	14.34	1.14	455851.66	593276.84		
940.00	4.02	36.08	939.54	-5.67	5.81	17.03	2.18	455854.51	593279.53		
1003.00	5.75	37.34	1002.30	-9.94	10.11	20.25	2.75	455858.81	593282.75		
1067.00	7.19	47.05	1065.90	-15.18	15.38	25.13	2.82	455864.08	593287.63		
1130.00	6.91	49.65	1128.42	-20.27	20.52	30.90	0.67	455869.22	593293.40		
1194.00	6.03	52.86	1192.01	-24.75	25.05	36.51	1.49	455873.75	593299.01		
1257.00	4.95	56.14	1254.72	-28.22	28.56	41.41	1.78	455877.26	593303.91		
1321.00	4.71	53.87	1318.50	-31.27	31.65	45.82	0.48	455880.35	593308.32		
1384.00	4.47	51.34	1381.29	-34.30	34.71	49.83	0.50	455883.41	593312.33		
1448.00	4.03	50.20	1445.12	-37.26	37.70	53.51	0.70	455886.40	593316.01		
1511.00	4.29	57.15	1507.95	-39.93	40.40	57.19	0.90	455889.10	593319.69		
1575.00	4.88	62.41	1571.75	-42.45	42.96	61.61	1.13	455891.66	593324.11		
1638.00	5.02	68.35	1634.51	-44.67	45.22	66.55	0.84	455893.92	593329.05		
1702.00	5.06	79.61	1698.27	-46.17	46.76	71.92	1.54	455895.46	593334.42		
1765.00	4.22	82.08	1761.06	-46.95	47.58	76.95	1.37	455896.28	593339.45		
1829.00	3.20	73.15	1824.93	-47.75	48.42	81.00	1.83	455897.12	593343.50		
1927.00	4.40	52.35	1922.71	-50.80	51.51	86.59	1.85	455900.21	593349.09		
2021.00	5.14	58.43	2016.39	-55.15	55.92	93.03	0.95	455904.62	593355.53		
2117.00	5.10	64.82	2112.01	-59.16	59.98	100.56	0.60	455908.68	593363.06		
2212.00	3.99	44.95	2206.71	-63.24	64.12	106.72	2.01	455912.82	593369.22		
2258.00	3.92	41.28	2252.60	-65.54	66.43	108.88	0.57	455915.13	593371.38		
2406.00	3.44	42.52	2400.30	-72.56	73.51	115.22	0.33	455922.21	593377.72		
2500.00	4.93	62.46	2494.05	-76.46	77.45	120.71	2.19	455926.15	593383.21		
2688.00	4.86	65.25	2681.36	-83.41	84.52	135.10	0.13	455933.22	593397.60		
2877.00	4.49	64.55	2869.73	-89.83	91.06	149.06	0.20	455939.76	593411.56		
3065.00	3.79	66.15	3057.24	-95.40	96.73	161.38	0.38	455945.43	593423.88		
3253.00	5.34	59.81	3244.64	-102.21	103.64	174.63	0.87	455952.34	593437.13		
3441.00	4.66	60.46	3431.92	-110.25	111.81	188.83	0.36	455960.51	593451.33		
3630.00	6.49	57.26	3620.02	-119.69	121.37	204.50	0.98	455970.07	593467.00		
3819.00	6.40	60.00	3807.83	-130.58	132.41	222.61	0.17	455981.11	593485.11		
4009.00	6.49	63.11	3996.63	-140.58	142.56	241.35	0.19	455991.26	593503.85		
4199.00	6.13	65.00	4185.48	-149.57	151.71	260.13	0.22	456000.41	593522.63		
4389.00	5.64	50.25	4374.49	-159.69	161.97	276.50	0.83	456010.67	593539.00		
4579.00	4.42	49.52	4563.75	-170.31	172.69	289.25	0.64	456021.39	593551.75		
4768.00	4.82	58.99	4752.14	-179.03	181.51	301.59	0.45	456030.21	593564.09		
4956.00	3.99	56.52	4939.58	-186.60	189.19	313.82	0.45	456037.89	593576.32		

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment	
5145.00	5.13	56.34	5127.98	-194.81	197.50	326.33	0.60	456046.20	593588.83		
5335.00	4.12	55.81	5317.36	-203.25	206.04	339.05	0.53	456054.74	593601.55		
5525.00	5.38	59.73	5506.70	-211.47	214.37	352.39	0.68	456063.07	593614.89		
5714.00	4.38	66.51	5695.02	-218.69	221.71	366.66	0.61	456070.41	593629.16		
5904.00	3.48	79.01	5884.57	-222.58	225.70	378.98	0.65	456074.40	593641.48		
6093.00	3.62	59.94	6073.22	-226.58	229.78	389.77	0.63	456078.48	593652.27		
6282.00	3.94	41.38	6261.81	-234.36	237.64	399.23	0.67	456086.34	593661.73		
6471.00	4.81	49.89	6450.26	-244.25	247.62	409.58	0.57	456096.32	593672.08		
6660.00	7.66	54.25	6638.12	-256.59	260.09	425.87	1.53	456108.79	593688.37		
6850.00	5.75	62.04	6826.82	-268.30	271.95	444.56	1.11	456120.65	593707.06		
7040.00	3.08	69.83	7016.24	-274.41	278.17	457.76	1.44	456126.87	593720.26		
7230.00	3.76	64.28	7205.90	-278.79	282.64	468.16	0.40	456131.34	593730.66		
7420.00	4.58	44.02	7395.41	-286.86	290.80	479.05	0.88	456139.50	593741.55		
7610.00	5.18	58.90	7584.73	-296.64	300.68	491.66	0.73	456149.38	593754.16		
7800.00	4.62	54.40	7774.03	-305.41	309.57	505.23	0.36	456158.27	593767.73		
7989.00	3.09	61.68	7962.60	-312.17	316.42	515.90	0.85	456165.12	593778.40		
8179.00	5.52	70.54	8152.05	-317.54	321.89	529.03	1.32	456170.59	593791.53		
8369.00	3.76	78.60	8341.42	-321.70	326.17	543.75	0.99	456174.87	593806.25		
8558.00	2.52	89.45	8530.14	-322.88	327.43	553.98	0.72	456176.13	593816.48		
8642.00	2.10	93.24	8614.07	-322.78	327.36	557.37	0.53	456176.06	593819.87		
8674.00	2.14	95.66	8646.05	-322.68	327.27	558.55	0.31	456175.97	593821.05		
8737.00	7.76	147.36	8708.81	-318.95	323.57	562.01	10.55	456172.27	593824.51		
8769.00	11.96	146.72	8740.33	-314.33	318.98	565.00	13.13	456167.68	593827.50		
8801.00	15.97	145.96	8771.37	-307.87	312.55	569.29	12.54	456161.25	593831.79		
8832.00	19.56	144.56	8800.89	-300.06	304.79	574.68	11.66	456153.49	593837.18		
8863.00	23.18	142.89	8829.76	-290.91	295.69	581.38	11.84	456144.39	593843.88		
8895.00	27.03	143.89	8858.73	-279.95	284.79	589.46	12.10	456133.49	593851.96		
8926.00	30.53	147.50	8885.90	-267.54	272.46	597.85	12.60	456121.16	593860.35		
8958.00	33.79	151.76	8912.99	-252.77	257.76	606.43	12.40	456106.46	593868.93		
8989.00	37.50	155.01	8938.18	-236.55	241.60	614.50	13.43	456090.30	593877.00		
9021.00	41.03	157.01	8962.95	-217.98	223.10	622.72	11.72	456071.80	593885.22		
9052.00	44.27	158.21	8985.75	-198.50	203.68	630.71	10.78	456052.38	593893.21		
9084.00	46.72	160.16	9008.18	-177.10	182.35	638.81	8.80	456031.05	593901.31		
9115.00	48.99	161.82	9028.98	-155.31	160.62	646.29	8.33	456009.32	593908.79		
9147.00	52.06	162.75	9049.32	-131.72	137.09	653.80	9.85	455985.79	593916.30		
9179.00	56.19	163.20	9068.07	-106.87	112.30	661.39	12.96	455961.00	593923.89		
9210.00	60.01	163.32	9084.45	-81.61	87.10	668.97	12.33	455935.80	593931.47		
9242.00	62.03	163.03	9099.95	-54.75	60.31	677.07	6.36	455909.01	593939.57		
9273.00	65.18	161.84	9113.73	-28.22	33.84	685.46	10.73	455882.54	593947.96		
9305.00	68.52	161.07	9126.31	-0.25	5.95	694.81	10.67	455854.65	593957.31		
9336.00	71.58	161.06	9136.88	27.39	-21.61	704.27	9.87	455827.09	593966.77		
9368.00	74.12	161.19	9146.32	56.40	-50.54	714.16	7.95	455798.16	593976.66		
9400.00	77.15	161.31	9154.26	85.83	-79.89	724.12	9.48	455768.81	593986.62		
9431.00	80.01	161.21	9160.40	114.68	-108.66	733.88	9.23	455740.04	593996.38		
9458.00	82.42	161.54	9164.52	140.03	-133.95	742.41	9.01	455714.75	594004.91		
9516.00	84.25	163.76	9171.25	195.15	-188.93	759.58	4.94	455659.77	594022.08		
9547.00	86.08	163.86	9173.86	224.89	-218.59	768.19	5.91	455630.11	594030.69		
9579.00	88.11	165.04	9175.49	255.74	-249.38	776.76	7.34	455599.32	594039.26		
9674.00	90.07	168.82	9176.99	348.42	-341.89	798.23	4.48	455506.81	594060.73		
9769.00	90.14	170.29	9176.82	441.98	-435.31	815.46	1.55	455413.39	594077.96		
9864.00	89.23	172.01	9177.34	535.96	-529.17	830.07	2.05	455319.53	594092.57		
9959.00	92.38	174.01	9176.01	630.32	-623.44	841.63	3.93	455225.26	594104.13		
10054.00	88.81	173.20	9175.02	724.79	-717.83	852.21	3.85	455130.87	594114.71		
10149.00	88.18	174.97	9177.52	819.33	-812.29	862.00	1.98	455036.41	594124.50		
10244.00	87.62	177.52	9181.00	914.10	-907.01	868.21	2.75	454941.69	594130.71		
10339.00	92.80	181.40	9180.65	1009.05	-1001.95	869.11	6.81	454846.75	594131.61		
10434.00	92.38	181.69	9176.36	1103.89	-1096.82	866.55	0.54	454751.88	594129.05		
10529.00	90.98	182.09	9173.57	1198.77	-1191.73	863.42	1.53	454656.97	594125.92		
10623.00	91.26	181.48	9171.74	1292.68	-1285.66	860.49	0.71	454563.04	594122.99		

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
10718.00	89.58	179.43	9171.04	1387.66	-1380.65	859.74	2.79	454468.05	594122.24	
10813.00	90.35	178.88	9171.10	1482.65	-1475.64	861.14	1.00	454373.06	594123.64	
10908.00	86.85	179.57	9173.42	1577.61	-1570.59	862.42	3.76	454278.11	594124.92	
11003.00	86.99	180.05	9178.52	1672.47	-1665.45	862.74	0.53	454183.25	594125.24	
11098.00	91.12	178.87	9180.09	1767.43	-1760.41	863.63	4.52	454088.29	594126.13	
11193.00	92.10	180.06	9177.42	1862.39	-1855.36	864.52	1.62	453993.34	594127.02	
11288.00	92.66	180.47	9173.47	1957.30	-1950.28	864.08	0.73	453898.42	594126.58	
11383.00	89.44	180.75	9171.73	2052.26	-2045.25	863.07	3.40	453803.45	594125.57	
11477.00	89.02	181.68	9173.00	2146.21	-2139.21	861.08	1.09	453709.49	594123.58	
11572.00	87.83	181.72	9175.61	2241.10	-2234.14	858.26	1.25	453614.56	594120.76	
11667.00	90.00	182.30	9177.41	2335.99	-2329.05	854.93	2.36	453519.65	594117.43	
11762.00	89.72	181.40	9177.64	2430.91	-2424.00	851.86	0.99	453424.70	594114.36	
11857.00	88.67	182.65	9178.97	2525.81	-2518.93	848.50	1.72	453329.77	594111.00	
11951.00	89.44	181.59	9180.52	2619.70	-2612.85	845.03	1.39	453235.85	594107.53	
12046.00	90.56	177.49	9180.52	2714.67	-2707.83	845.79	4.47	453140.87	594108.29	
12141.00	91.68	178.51	9178.67	2809.62	-2802.75	849.10	1.59	453045.95	594111.60	
12236.00	90.70	178.94	9176.69	2904.59	-2897.70	851.22	1.13	452951.00	594113.72	
12330.00	90.28	179.02	9175.89	2998.58	-2991.68	852.89	0.45	452857.02	594115.39	
12426.00	87.41	179.38	9177.82	3094.55	-3087.65	854.23	3.01	452761.05	594116.73	
12521.00	89.37	180.00	9180.49	3189.51	-3182.60	854.74	2.16	452666.10	594117.24	
12616.00	89.02	179.99	9181.83	3284.49	-3277.59	854.75	0.37	452571.11	594117.25	
12711.00	93.08	179.85	9180.09	3379.46	-3372.56	854.89	4.28	452476.14	594117.39	
12806.00	92.66	179.29	9175.33	3474.34	-3467.43	855.60	0.74	452381.27	594118.10	
12900.00	92.80	180.12	9170.85	3568.23	-3561.32	856.08	0.89	452287.38	594118.58	
12995.00	89.79	181.19	9168.71	3663.17	-3656.28	855.00	3.36	452192.42	594117.50	
13089.00	88.53	180.48	9170.09	3757.14	-3750.26	853.63	1.54	452098.44	594116.13	
13184.00	92.03	182.28	9169.62	3852.07	-3845.21	851.34	4.14	452003.49	594113.84	
13279.00	91.40	182.31	9166.78	3946.91	-3940.09	847.54	0.66	451908.61	594110.04	
13373.00	89.72	181.68	9165.86	4040.82	-4034.03	844.26	1.91	451814.67	594106.76	
13468.00	90.14	181.83	9165.98	4135.75	-4128.98	841.35	0.47	451719.72	594103.85	
13563.00	89.51	181.78	9166.27	4230.67	-4223.93	838.36	0.67	451624.77	594100.86	
13658.00	88.67	181.69	9167.77	4325.59	-4318.88	835.49	0.89	451529.82	594097.99	
13753.00	90.84	179.11	9168.18	4420.56	-4413.86	834.82	3.55	451434.84	594097.32	
13848.00	89.02	177.56	9168.30	4515.53	-4508.81	837.58	2.52	451339.89	594100.08	
13943.00	91.54	179.71	9167.83	4610.51	-4603.77	839.85	3.49	451244.93	594102.35	
14038.00	91.54	180.18	9165.28	4705.47	-4698.74	839.94	0.49	451149.96	594102.44	
14133.00	89.30	178.39	9164.58	4800.46	-4793.72	841.12	3.02	451054.98	594103.62	
14228.00	89.72	178.83	9165.40	4895.44	-4888.69	843.43	0.64	450960.01	594105.93	
14323.00	91.40	180.56	9164.47	4990.43	-4983.67	843.93	2.54	450865.03	594106.43	
14418.00	92.24	181.87	9161.45	5085.34	-5078.60	841.92	1.64	450770.10	594104.42	
14512.00	91.61	181.63	9158.29	5179.21	-5172.50	839.05	0.72	450676.20	594101.55	
14607.00	85.93	179.03	9160.33	5274.13	-5267.43	838.50	6.57	450581.27	594101.00	
14702.00	87.62	180.19	9165.68	5368.98	-5362.28	839.15	2.16	450486.42	594101.65	
14797.00	88.74	180.18	9168.69	5463.92	-5457.23	838.84	1.18	450391.47	594101.34	
14892.00	88.25	180.31	9171.19	5558.88	-5552.19	838.43	0.53	450296.51	594100.93	
14987.00	90.28	180.99	9172.41	5653.85	-5647.17	837.36	2.25	450201.53	594099.86	
15081.00	91.54	182.47	9170.91	5747.77	-5741.11	834.52	2.07	450107.59	594097.02	
15176.00	88.88	180.98	9170.56	5842.68	-5836.06	831.66	3.21	450012.64	594094.16	
15268.00	89.86	182.44	9171.58	5934.61	-5928.01	828.91	1.91	449920.69	594091.41	
15363.00	91.12	180.41	9170.76	6029.55	-6022.97	826.55	2.51	449825.73	594089.05	
15458.00	91.75	181.26	9168.38	6124.49	-6117.93	825.17	1.11	449730.77	594087.67	
15553.00	90.77	181.26	9166.30	6219.42	-6212.88	823.08	1.03	449635.82	594085.58	
15649.00	91.40	182.22	9164.48	6315.33	-6308.82	820.17	1.20	449539.88	594082.67	
15744.00	90.07	178.94	9163.26	6410.29	-6403.79	819.20	3.73	449444.91	594081.70	
15839.00	90.00	178.66	9163.20	6505.29	-6498.77	821.19	0.30	449349.93	594083.69	
15934.00	88.32	178.05	9164.59	6600.25	-6593.72	823.92	1.88	449254.98	594086.42	
16029.00	88.39	181.47	9167.32	6695.20	-6688.66	824.32	3.60	449160.04	594086.82	
16124.00	90.35	185.56	9168.37	6789.94	-6783.45	818.50	4.77	449065.25	594081.00	
16218.00	91.47	190.62	9166.87	6882.85	-6876.47	805.27	5.51	448972.23	594067.77	

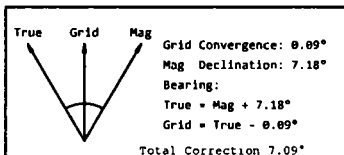
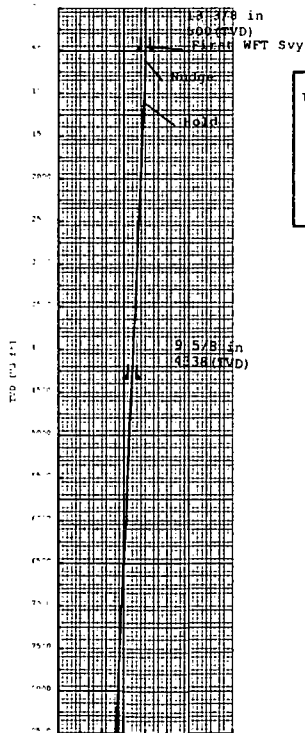
5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
16313.00	90.91	188.89	9164.90	6976.31	-6970.08	789.18	1.91	448878.62	594051.68	
16408.00	92.24	185.21	9162.29	7070.44	-7064.30	777.53	4.12	448784.40	594040.03	
16503.00	90.21	182.29	9160.26	7165.15	-7159.06	771.32	3.74	448689.64	594033.82	
16548.00	89.30	181.10	9160.45	7210.12	-7204.04	769.99	3.33	448644.66	594032.49	Last WFT MWD Svy
16605.00	89.30	181.10	9161.15	7267.09	-7261.03	768.89	0.00	448587.67	594031.39	Proj to TD



Plan vs Actual

KB: 3179.00
GL: 3152.00



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

Field: Mewbourne Oil Company (Mad 83 NMEZ)
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: USfeet TVD Reference:
Company Name: Mewbourne Oil Company
Position: Northing: 455848.48USft Latitude: 32.253891°
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 WOCF State Com 1H
Position:
Offset is from Site centre
+N/-S: 0.30USft Northing: 455848.78USft Latitude: 32.253892°
+E/-W: 30.00USft Easting: 593262.58USft Longitude: -104.165364°
Elevation Above VRD: 3152.00USft

Well: South Loving 2/11 WOCF State Com 1H
Type: Main-Well
File Number: 13266380 Plan: P1:V1
Plan Folder: P1
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 179.53°
+E/-W: 0.00USft
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
bggm2018 47835(nT) 7.18° 59.93° 2018-07-25
Comment: Patterson 217

Plan Data for South Loving 2/11 WOCF 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)
0.00	0.00	0.00	0.00	0.00	0.00	455848.70	593262.50	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	455848.70	593262.50	0.00	0.00 Nudge
1100.04	5.00	59.10	1099.40	11.20	18.71	455859.90	593281.21	-11.04	1.00 Hold
8740.84	5.00	59.10	8711.13	353.18	590.13	456201.88	593852.63	-348.33	0.00 KOP
9502.42	90.11	163.95	9197.52	-95.04	761.96	455753.66	594024.46	101.29	12.00 Turn
10327.10	90.11	180.44	9195.94	-909.27	873.54	454939.43	594136.04	916.40	2.00 Hold
16685.84	90.11	180.44	9184.00	-7267.80	824.30	448580.90	594086.80	7274.32	0.00 WOCF SC1H PBHL

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

Target Set Information:

Name: WOCF SC1H

Position offsets from Slot centre

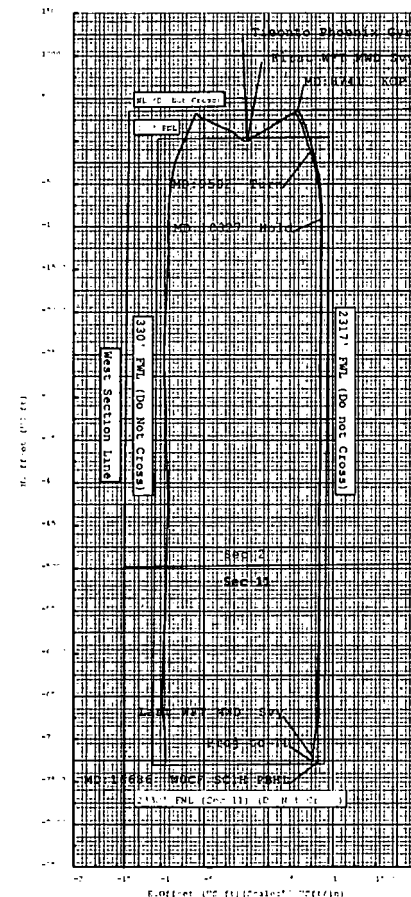
Name	TVD Elevation	+N/-S	+E/-W	Northing	Easting
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)
PBHL	9184.00	-6005.00	-7267.80	824.30	448580.90

Plan Data for South Loving 2/11 WOCF 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	500.00	500.00	0.00	0.00	455848.70	593262.50
9 5/8 in	4351.01	4338.00	156.70	261.83	456005.40	593524.33
7 in	8590.00	8560.86	346.43	578.85	456195.13	593841.35



Drilling by: Ty Hardin Date: 29 June 2018
Office Name: Drilling Services - Houston
Address: 1201 Lufkin Road
Houston, TX 77060
Phone: Office: +1.832.955.0052 | Cell: +1.713.883.8764

