



Weatherford

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: June 1, 2018

**NM OIL CONSERVATION
ARTESIA DISTRICT**

JAN 15 2019

RECEIVED

Attention: Kyle Freidenbloom

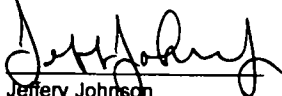
30-015-44260

Re: Mewbourne Oil Co.
Well: Chicago 9/8 W0HE Fee Com 1H
County: Eddy, New Mexico

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
Jeff Johnson MWD Supervisor	1H	197 MD 19,298 MD	5/4/2018 5/30/2018	Measurement While Drilling

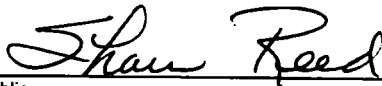
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.



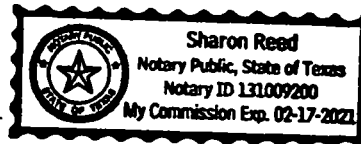
Jeffery Johnson
MWD Ops. Coordinator

On this, the 1st day of June, 2018, before me a notary public, the undersigned officer, personally appeared Jeffery Johnson, 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: *Chicago 9/8 Pad*

Well Name: *Chicago 9/8 W0HE Fee Com 1H*

File number: *13142436*

Survey: *Definitive survey*

1 June 2018





Chicago 9/8 W0HE Fee Com 1H

Field Name: Mewbourne Oil Company (Mad 83 1HEZ)

Map Units: US ft **Company Name:** Mewbourne Oil Company

Vertical Reference Datum (VRD): Mean Sea Level

Projected Coordinate System: NAD83 / New Mexico East (RUS)

Comment:

Units: US ft **North Reference:** Grid **Convergence Angle:** 0.13

Site: Chicago 9/8 Pad

Elevation above MSL: 3009.00 US ft

Comment: Eddy Co., New Mexico

Slot: Chicago 9/8 W0HE Fee Com 1H

Slot TVD Reference: Ground Elevation

Elevation above MSL: 3009.00 US ft

Comment:

Well: Chicago 9/8 W0HE Fee Com 1H

Type: Main well **UWI:**

File Number: 13142436 **Comment:** Patterson 217

Closure Distance: 9802.87 US ft **Closure Azimuth:** 269.94°

Vertical Section: Position of Origin (Relative to Slot centre)

+N/-S: -0.00 US ft **+E/-W:** -0.00 US ft **Az:** 269.49°

Drill floor: Survey Name: Definitive Survey

Rig Height (Drill Floor): 27.00 US ft **Elevation above MSL:** 3036.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00°

Survey Name: Definitive Survey

Date: 09/Apr/2018 **Survey Tool:** See Survey **Comment:** **Company:**

Tool Ranges below.

Magnetic Model:

Model Name: bggm2017 **Date:** 10/May/2018 **Field Strength:** 47856.0 nT **Declination:** 7.18° **Dip:** 59.94°

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
W0HE Fee Com 1H	0.00	2400.00	MWD 1
W0HE Fee Com 1H	2400.00	8908.00	MWD 2
W0HE Fee Com 1H	8908.00	9610.00	MWD 3

5D Survey Report

Survey Tool Ranges:

Name	Start MD(usft)	End MD(usft)	Source Survey
	9610.00	15859.00	MWD 4
	15859.00	18045.00	MWD 5
	18045.00	19378.00	MWD 6

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)

MD (US ft)	Inc (°)	Acc (ft)	TVD (US ft)	NS (US ft)	EW (US ft)	Course (US ft)	Course (US ft)	Inc (°)	Heading (US ft)	Heading (US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	-0.00	-0.00	0.00		448841.00	618064.80	
197.00	0.49	5.89	197.00	-0.09	0.84	0.09	0.25		448841.84	618064.89	
282.00	0.60	15.28	281.99	-0.26	1.63	0.24	0.17		448842.63	618065.04	
403.00	0.31	13.89	402.99	-0.51	2.56	0.49	0.24		448843.56	618065.29	
585.00	0.38	61.15	584.99	-1.16	3.33	1.13	0.16		448844.33	618065.93	
767.00	0.56	48.27	766.98	-2.36	4.21	2.33	0.11		448845.21	618067.13	
961.00	0.60	40.56	960.97	-3.74	5.61	3.69	0.05		448846.61	618068.49	
1151.00	0.70	11.57	1150.96	-4.64	7.51	4.57	0.18		448848.51	618069.37	
1341.00	0.29	54.15	1340.95	-5.28	8.92	5.20	0.28		448849.92	618070.00	
1531.00	0.16	31.41	1530.95	-5.81	9.43	5.72	0.08		448850.43	618070.52	
1721.00	0.16	35.01	1720.95	-6.10	9.88	6.01	0.01		448850.88	618070.81	
1911.00	0.49	111.11	1910.95	-7.01	9.80	6.92	0.25		448850.80	618071.72	
2101.00	1.95	131.91	2100.90	-10.15	7.35	10.09	0.79		448848.35	618074.89	
2291.00	4.14	132.38	2290.62	-17.57	0.57	17.56	1.15		448841.57	618082.36	
2400.00	5.94	144.69	2399.20	-23.67	-6.69	23.73	1.92		448834.31	618088.53	
2491.00	6.01	147.01	2489.70	-28.91	-14.53	29.04	0.28		448826.47	618093.84	
2586.00	3.52	146.70	2584.37	-33.16	-21.14	33.35	2.62		448819.86	618098.15	
2681.00	3.71	127.57	2679.18	-37.16	-25.45	37.39	1.28		448815.55	618102.19	
2776.00	4.16	103.92	2773.96	-42.92	-28.15	43.17	1.76		448812.85	618107.97	
2871.00	3.71	84.10	2868.74	-49.32	-28.67	49.57	1.50		448812.33	618114.37	
2966.00	3.57	78.42	2963.55	-55.28	-27.76	55.53	0.41		448813.24	618120.33	
3061.00	3.66	77.77	3058.36	-61.15	-26.52	61.39	0.10		448814.48	618126.19	
3155.00	3.67	78.15	3152.17	-67.04	-25.27	67.27	0.03		448815.73	618132.07	
3250.00	3.36	79.86	3246.99	-72.76	-24.15	72.98	0.34		448816.85	618137.78	
3345.00	3.07	78.65	3341.84	-78.01	-23.16	78.22	0.31		448817.84	618143.02	
3441.00	2.54	75.49	3437.73	-82.60	-22.12	82.80	0.57		448818.88	618147.60	
3536.00	2.54	73.57	3532.63	-86.66	-21.00	86.85	0.09		448820.00	618151.65	
3631.00	2.47	75.36	3627.54	-90.67	-19.89	90.85	0.11		448821.11	618155.65	
3726.00	2.43	75.00	3722.46	-94.61	-18.85	94.78	0.05		448822.15	618159.58	
3820.00	2.26	73.61	3816.38	-98.32	-17.81	98.48	0.19		448823.19	618163.28	
3915.00	1.59	65.72	3911.32	-101.33	-16.74	101.48	0.76		448824.26	618166.28	
4010.00	1.41	61.98	4006.29	-103.57	-15.65	103.71	0.22		448825.35	618168.51	
4105.00	2.31	85.25	4101.24	-106.52	-14.94	106.65	1.22		448826.06	618171.45	
4200.00	2.63	80.41	4196.15	-110.58	-14.42	110.71	0.40		448826.58	618175.51	
4295.00	2.82	94.60	4291.05	-115.06	-14.24	115.19	0.74		448826.76	618179.99	
4390.00	2.88	95.98	4385.93	-119.76	-14.68	119.89	0.10		448826.32	618184.69	
4485.00	2.78	98.65	4480.81	-124.40	-15.27	124.54	0.17		448825.73	618189.34	
4580.00	2.93	85.67	4575.70	-129.10	-15.44	129.24	0.70		448825.56	618194.04	
4675.00	2.83	89.33	4670.58	-133.87	-15.23	134.01	0.22		448825.77	618198.81	
4770.00	2.73	98.45	4765.46	-138.45	-15.53	138.59	0.48		448825.47	618203.39	
4865.00	2.75	85.12	4860.36	-142.96	-15.67	143.10	0.67		448825.33	618207.90	
4960.00	3.07	73.03	4955.24	-147.67	-14.73	147.80	0.73		448826.27	618212.60	
5055.00	2.82	71.28	5050.11	-152.33	-13.24	152.45	0.28		448827.76	618217.25	
5150.00	2.68	75.33	5145.00	-156.70	-11.93	156.81	0.25		448829.07	618221.61	
5244.00	2.25	74.39	5238.91	-160.61	-10.88	160.72	0.46		448830.12	618225.52	
5340.00	1.83	78.72	5334.85	-163.94	-10.07	164.03	0.47		448830.93	618228.83	
5434.00	1.78	80.23	5428.81	-166.85	-9.53	166.94	0.07		448831.47	618231.74	
5529.00	2.43	77.98	5523.74	-170.28	-8.86	170.37	0.69		448832.14	618235.17	
5624.00	2.45	82.59	5618.66	-174.27	-8.18	174.35	0.21		448832.82	618239.15	
											First WFT MWD Sys

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
SD (US ft)	Incl (°)	Az (°)	TVD (US ft)	YS (US ft)	N-Offset (US ft)	E-Offset (US ft)	True 100US ft	Depth (US ft)	Eastng (US ft)	Latng (US ft)
5719.00	2.12	102.47	5713.58	-178.00	-8.29	178.08	0.90	448832.71	618242.88	
5814.00	1.98	99.06	5808.52	-181.33	-8.93	181.42	0.20	448832.07	618246.22	
5908.00	2.54	90.85	5902.45	-185.01	-9.22	185.10	0.69	448831.78	618249.90	
6004.00	3.61	79.85	5998.31	-190.12	-8.72	190.21	1.27	448832.28	618255.01	
6098.00	3.06	86.42	6092.15	-195.54	-8.04	195.62	0.71	448832.96	618260.42	
6193.00	3.68	78.77	6186.98	-201.07	-7.29	201.14	0.80	448833.71	618265.94	
6288.00	2.75	93.76	6281.84	-206.34	-6.84	206.41	1.31	448834.16	618271.21	
6383.00	2.97	89.58	6376.72	-211.07	-6.97	211.14	0.32	448834.03	618275.94	
6478.00	2.83	93.14	6471.60	-215.88	-7.08	215.95	0.24	448833.92	618280.75	
6572.00	2.84	63.98	6565.49	-220.29	-6.19	220.36	1.52	448834.81	618285.16	
6667.00	1.98	74.07	6660.40	-224.00	-4.71	224.05	1.01	448836.29	618288.85	
6762.00	1.69	26.33	6755.36	-226.21	-3.00	226.25	1.59	448838.00	618291.05	
6857.00	1.68	349.40	6850.32	-226.60	-0.38	226.61	1.12	448840.62	618291.41	
6952.00	1.89	350.84	6945.27	-226.12	2.54	226.11	0.23	448843.54	618290.91	
7047.00	3.05	16.10	7040.19	-226.61	6.51	226.56	1.65	448847.51	618291.36	
7141.00	4.56	35.82	7133.98	-229.54	11.95	229.44	2.10	448852.95	618294.24	
7236.00	3.47	36.97	7228.75	-233.53	17.31	233.38	1.15	448858.31	618298.18	
7330.00	2.88	22.40	7322.60	-236.18	21.76	235.99	1.06	448862.76	618300.79	
7425.00	2.60	18.91	7417.49	-237.82	26.01	237.60	0.34	448867.01	618302.40	
7519.00	2.17	25.10	7511.41	-239.30	29.64	239.04	0.53	448870.64	618303.84	
7614.00	3.08	51.59	7606.31	-242.09	32.85	241.81	1.57	448873.85	618306.61	
7709.00	2.43	41.59	7701.21	-245.45	35.94	245.14	0.85	448876.94	618309.94	
7804.00	2.85	68.48	7796.11	-249.01	38.32	248.68	1.36	448879.32	618313.48	
7899.00	2.96	84.27	7890.99	-253.66	39.43	253.32	0.85	448880.43	618318.12	
7994.00	3.25	83.67	7985.85	-258.78	39.97	258.43	0.31	448880.97	618323.23	
8089.00	2.80	80.79	8080.71	-263.75	40.64	263.40	0.50	448881.64	618328.20	
8184.00	2.13	80.91	8175.63	-267.79	41.29	267.43	0.71	448882.29	618332.23	
8279.00	3.16	84.76	8270.52	-272.15	41.80	271.79	1.10	448882.80	618336.59	
8374.00	3.35	88.43	8365.37	-277.53	42.12	277.17	0.30	448883.12	618341.97	
8469.00	3.29	79.39	8460.21	-282.99	42.70	282.62	0.55	448883.70	618347.42	
8564.00	2.75	83.48	8555.08	-287.94	43.46	287.57	0.61	448884.46	618352.37	
8659.00	2.81	82.57	8649.97	-292.52	44.02	292.14	0.08	448885.02	618356.94	
8753.00	2.19	86.35	8743.88	-296.60	44.43	296.22	0.68	448885.43	618361.02	
8848.00	1.49	83.53	8838.83	-299.64	44.69	299.25	0.74	448885.69	618364.05	
8908.00	1.07	80.16	8898.81	-300.97	44.87	300.58	0.71	448885.87	618365.38	
8995.00	2.74	254.02	8985.79	-299.77	44.44	299.38	4.37	448885.44	618364.18	
9027.00	7.32	252.01	9017.66	-297.08	43.59	296.71	14.32	448884.59	618361.51	
9059.00	10.98	254.12	9049.24	-292.20	42.13	291.83	11.48	448883.13	618356.63	
9090.00	14.12	259.20	9079.50	-285.63	40.61	285.28	10.73	448881.61	618350.08	
9122.00	17.77	262.31	9110.26	-276.94	39.23	276.60	11.71	448880.23	618341.40	
9154.00	20.19	262.15	9140.52	-266.62	37.82	266.29	7.56	448878.82	618331.09	
9185.00	23.37	264.05	9169.31	-255.19	36.45	254.87	10.51	448877.45	618319.67	
9217.00	27.17	262.80	9198.24	-241.61	34.88	241.31	11.99	448875.88	618306.11	
9249.00	31.15	263.07	9226.18	-226.12	32.96	225.84	12.44	448873.96	618290.64	
9280.00	34.81	265.17	9252.18	-209.32	31.25	209.05	12.37	448872.25	618273.85	
9312.00	37.11	268.13	9278.08	-190.56	30.17	190.30	9.01	448871.17	618255.10	
9344.00	40.79	268.98	9302.96	-170.45	29.66	170.19	11.62	448870.66	618234.99	
9375.00	44.38	270.44	9325.78	-149.48	29.57	149.22	12.01	448870.57	618214.02	
9407.00	47.80	272.71	9347.98	-126.45	30.21	126.18	11.85	448871.21	618190.98	
9438.00	51.57	273.27	9368.03	-102.86	31.45	102.58	12.24	448872.45	618167.38	
9470.00	54.97	274.10	9387.16	-77.29	33.10	76.99	10.83	448874.10	618141.79	
9502.00	59.15	274.56	9404.56	-50.53	35.13	50.22	13.12	448876.13	618115.02	
9534.00	63.10	276.22	9420.01	-22.67	37.77	22.33	13.15	448878.77	618087.13	
9566.00	66.68	276.79	9433.59	6.09	41.06	-6.45	11.30	448882.06	618058.35	
9610.00	72.13	274.53	9449.06	47.02	45.10	-47.42	13.29	448886.10	618017.38	
9687.00	80.08	274.73	9467.54	121.41	51.13	-121.87	10.33	448892.13	617942.93	
9719.00	83.48	275.77	9472.11	152.91	54.03	-153.40	11.10	448895.03	617911.40	
9750.00	87.62	275.14	9474.52	183.64	56.97	-184.16	13.51	448897.97	617880.64	
9782.00	92.17	274.72	9474.58	215.49	59.72	-216.03	14.28	448900.72	617848.77	

SD Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
TD [US ft]	Inc [°]	AP [°]	TD [US ft]	VS [US ft]	Flange [US ft]	Bottom [US ft]	Gap to 205 ft	Bottom [US ft]	Gap to 205 ft	Comment
9877.00	90.42	270.48	9472.43	310.30	64.02	-310.88	4.83	448905.02	617753.92	
9971.00	91.26	271.45	9471.05	404.26	65.61	-404.86	1.36	448906.61	617659.94	
10066.00	89.09	270.83	9470.76	499.21	67.50	-499.83	2.38	448908.50	617564.97	
10161.00	89.02	271.89	9472.33	594.15	69.75	-594.79	1.12	448910.75	617470.01	
10256.00	88.60	272.16	9474.30	689.03	73.11	-689.71	0.53	448914.11	617375.09	
10351.00	90.77	272.10	9474.82	783.93	76.64	-784.64	2.29	448917.64	617280.16	
10446.00	89.72	270.60	9474.42	878.87	78.88	-879.61	1.93	448919.88	617185.19	
10540.00	90.91	268.79	9473.90	972.86	78.37	-973.60	2.30	448919.37	617091.20	
10635.00	90.70	268.08	9472.56	1067.84	75.78	-1068.55	0.78	448916.78	616996.25	
10730.00	90.07	267.79	9471.93	1162.80	72.36	-1163.49	0.73	448913.36	616901.31	
10825.00	89.16	267.21	9472.56	1257.74	68.21	-1258.40	1.14	448909.21	616806.40	
10920.00	89.58	267.26	9473.61	1352.66	63.63	-1353.28	0.45	448904.63	616711.52	
11014.00	87.90	266.33	9475.68	1446.53	58.38	-1447.11	2.04	448899.38	616617.69	
11110.00	91.47	266.71	9476.20	1542.38	52.55	-1542.91	3.74	448893.55	616521.89	
11204.00	91.61	267.31	9473.68	1636.26	47.65	-1636.75	0.66	448888.65	616428.05	
11299.00	90.21	267.71	9472.17	1731.19	43.52	-1731.65	1.53	448884.52	616333.15	
11394.00	89.30	267.47	9472.57	1826.14	39.53	-1826.56	0.99	448880.53	616238.24	
11489.00	90.14	268.26	9473.04	1921.09	35.99	-1921.49	1.21	448876.99	616143.31	
11584.00	90.56	270.53	9472.46	2016.09	34.99	-2016.48	2.43	448875.99	616048.32	
11678.00	90.63	270.14	9471.48	2110.07	35.54	-2110.47	0.42	448876.54	615954.33	
11773.00	89.86	269.81	9471.08	2205.07	35.50	-2205.47	0.88	448876.50	615859.33	
11868.00	88.39	268.92	9472.53	2300.05	34.44	-2300.45	1.81	448875.44	615764.35	
11963.00	90.84	269.16	9473.16	2395.04	32.85	-2395.43	2.59	448873.85	615669.37	
12058.00	97.43	270.21	9466.32	2489.74	32.33	-2490.12	7.02	448873.33	615574.68	
12153.00	97.58	269.28	9453.91	2583.92	31.91	-2584.31	0.98	448872.91	615480.49	
12248.00	91.89	269.34	9446.07	2678.56	30.77	-2678.94	5.99	448871.77	615385.86	
12343.00	88.18	269.06	9446.01	2773.54	29.44	-2773.91	3.92	448870.44	615290.89	
12438.00	89.30	269.66	9448.10	2868.51	28.38	-2868.88	1.34	448869.38	615195.92	
12533.00	90.00	270.07	9448.68	2963.51	28.16	-2963.88	0.85	448869.16	615100.92	
12628.00	90.28	270.23	9448.45	3058.50	28.41	-3058.88	0.34	448869.41	615005.92	
12723.00	90.21	270.09	9448.04	3153.50	28.67	-3153.88	0.16	448869.67	614910.92	
12818.00	90.14	268.95	9447.75	3248.49	27.88	-3248.87	1.20	448868.88	614815.93	
12913.00	90.28	268.52	9447.41	3343.48	25.78	-3343.85	0.48	448868.78	614720.95	
13008.00	90.00	268.01	9447.17	3438.46	22.90	-3438.80	0.61	448863.90	614626.00	
13103.00	90.35	266.74	9446.88	3533.39	18.55	-3533.70	1.39	448859.55	614531.10	
13197.00	92.59	266.29	9444.47	3627.23	12.84	-3627.49	2.43	448853.84	614437.31	
13293.00	89.30	266.43	9442.89	3723.06	6.75	-3723.27	3.43	448847.75	614341.53	
13388.00	90.42	267.25	9443.12	3817.96	1.51	-3818.12	1.46	448842.51	614246.68	
13483.00	91.96	267.06	9441.15	3912.85	-3.20	-3912.98	1.63	448837.80	614151.82	
13578.00	89.65	267.74	9439.81	4007.78	-7.51	-4007.87	2.53	448833.49	614056.93	
13673.00	86.92	267.48	9442.66	4102.67	-11.47	-4102.73	2.89	448829.53	613962.07	
13768.00	85.66	267.10	9448.80	4197.40	-15.95	-4197.43	1.39	448825.05	613867.37	
13864.00	86.22	271.02	9455.60	4293.14	-17.52	-4293.15	4.11	448823.48	613771.65	
13959.00	86.15	272.24	9461.92	4387.86	-14.83	-4387.90	1.28	448826.17	613676.90	
14053.00	89.79	272.73	9465.25	4481.66	-10.75	-4481.74	3.91	448830.25	613583.06	
14149.00	91.61	271.72	9464.08	4577.54	-7.03	-4577.65	2.17	448833.97	613487.15	
14244.00	91.40	270.67	9461.59	4672.46	-5.05	-4672.60	1.13	448835.95	613392.20	
14339.00	91.47	270.43	9459.21	4767.41	-4.14	-4767.56	0.26	448836.86	613297.24	
14434.00	90.00	271.07	9457.99	4862.38	-2.89	-4862.55	1.69	448838.11	613202.25	
14529.00	91.05	270.39	9457.12	4957.35	-1.68	-4957.53	1.32	448839.32	613107.27	
14623.00	91.12	269.83	9455.34	5051.33	-1.50	-5051.51	0.60	448839.50	613013.29	
14718.00	90.14	269.97	9454.29	5146.32	-1.67	-5146.51	1.04	448839.33	612918.29	
14813.00	91.05	270.90	9453.31	5241.30	-0.95	-5241.50	1.37	448840.05	612823.30	
14908.00	88.81	270.16	9453.42	5336.28	-0.07	-5336.49	2.48	448840.93	612728.31	
15003.00	90.98	271.28	9453.60	5431.25	1.13	-5431.47	2.57	448842.13	612633.33	
15098.00	91.89	271.19	9451.22	5526.17	3.17	-5526.42	0.96	448844.17	612538.38	
15193.00	91.12	271.01	9448.72	5621.10	5.00	-5621.37	0.83	448846.00	612443.43	
15289.00	91.61	270.19	9446.44	5717.05	6.00	-5717.33	0.99	448847.00	612347.47	
15384.00	90.49	269.88	9444.69	5812.03	6.06	-5812.32	1.22	448847.06	612252.48	

SD Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
NE US ft.	Inv. ft.	AP ft.	TVD US ft.	US US ft.	Offset US ft.	Offset US ft.	True +1000US ft.	Depth US ft.	Testing US ft.	Comment
15479.00	92.03	270.09	9442.61	5907.00	6.03	-5907.29	1.64	448847.03	612157.51	
15574.00	93.57	269.92	9437.96	6001.88	6.04	-6002.17	1.63	448847.04	612062.63	
15669.00	90.77	269.20	9434.37	6096.80	5.31	-6097.09	3.04	448846.31	611967.71	
15764.00	90.35	268.48	9433.44	6191.79	3.39	-6192.07	0.88	448844.39	611872.73	
15859.00	93.64	269.51	9430.13	6286.72	1.72	-6286.98	3.63	448842.72	611777.82	
15955.00	91.47	268.25	9425.85	6382.61	-0.15	-6382.86	2.61	448840.85	611681.94	
16050.00	91.19	268.46	9423.65	6477.57	-2.88	-6477.80	0.37	448838.12	611587.00	
16145.00	91.19	269.30	9421.68	6572.54	-4.73	-6572.76	0.88	448836.27	611492.04	
16240.00	90.56	269.70	9420.22	6667.53	-5.56	-6667.74	0.79	448835.44	611397.06	
16335.00	91.33	270.38	9418.66	6762.51	-5.50	-6762.73	1.08	448835.50	611302.07	
16431.00	91.89	271.37	9415.96	6858.44	-4.03	-6858.68	1.18	448836.97	611206.12	
16526.00	91.75	270.62	9412.94	6953.36	-2.38	-6953.61	0.80	448838.62	611111.19	
16621.00	88.81	269.88	9412.48	7048.34	-1.97	-7048.60	3.19	448839.03	611016.20	
16716.00	88.25	269.57	9414.92	7143.31	-2.42	-7143.57	0.67	448838.58	610921.23	
16811.00	89.44	269.24	9416.83	7238.28	-3.41	-7238.54	1.30	448837.59	610826.26	
16906.00	91.47	270.30	9416.08	7333.27	-3.79	-7333.53	2.41	448837.21	610731.27	
17001.00	93.99	272.49	9411.55	7428.10	-1.48	-7428.38	3.51	448839.52	610636.42	
17096.00	92.17	272.05	9406.45	7522.85	2.27	-7523.17	1.97	448843.27	610541.63	
17191.00	90.14	272.02	9404.53	7617.73	5.65	-7618.08	2.14	448846.65	610446.72	
17285.00	89.44	271.64	9404.88	7711.65	8.65	-7712.03	0.85	448849.65	610352.77	
17380.00	87.48	270.89	9407.43	7806.56	10.74	-7806.97	2.21	448851.74	610257.83	
17475.00	87.55	271.21	9411.55	7901.44	12.48	-7901.86	0.34	448853.48	610162.94	
17570.00	88.67	270.28	9414.68	7996.36	13.72	-7996.80	1.53	448854.72	610068.00	
17665.00	90.21	269.79	9415.61	8091.35	13.78	-8091.79	1.70	448854.78	609973.01	
17760.00	91.40	267.82	9414.28	8186.33	11.80	-8186.76	2.42	448852.80	609878.04	
17855.00	92.45	266.94	9411.08	8281.21	7.46	-8281.60	1.44	448848.46	609783.20	
17950.00	91.75	265.35	9407.60	8375.98	1.07	-8376.32	1.83	448842.07	609688.48	
18045.00	92.31	265.02	9404.24	8470.65	-6.90	-8470.93	0.68	448834.10	609593.87	
18139.00	93.14	265.94	9399.77	8564.31	-14.30	-8564.53	1.32	448826.70	609500.27	
18234.00	93.50	268.25	9394.27	8659.06	-19.10	-8659.24	2.46	448821.90	609405.56	
18328.00	92.31	270.40	9389.50	8752.94	-20.21	-8753.10	2.61	448820.79	609311.70	
18423.00	90.63	269.52	9387.07	8847.90	-20.27	-8848.07	2.00	448820.73	609216.73	
18518.00	90.07	270.07	9386.48	8942.89	-20.61	-8943.06	0.83	448820.39	609121.74	
18613.00	89.51	270.25	9386.83	9037.89	-20.35	-9038.06	0.62	448820.65	609026.74	
18708.00	88.32	270.36	9388.63	9132.86	-19.84	-9133.04	1.26	448821.16	608931.76	
18803.00	89.58	270.68	9390.37	9227.82	-18.98	-9228.02	1.37	448822.02	608836.78	
18898.00	90.35	270.67	9390.43	9322.80	-17.86	-9323.01	0.81	448823.14	608741.79	
18993.00	90.28	271.42	9389.91	9417.77	-16.13	-9418.00	0.79	448824.87	608646.80	
19088.00	89.93	271.31	9389.73	9512.71	-13.87	-9512.97	0.39	448827.13	608551.83	
19183.00	89.86	270.71	9389.91	9607.68	-12.19	-9607.95	0.64	448828.81	608456.85	
19278.00	91.47	270.79	9388.81	9702.65	-10.95	-9702.93	1.70	448830.05	608361.87	
19298.00	92.09	270.58	9388.18	9722.63	-10.71	-9722.92	3.27	448830.29	608341.88	Last WFT HWD Svy
19378.00	92.09	270.58	9385.27	9802.57	-9.90	-9802.87	0.00	448831.10	608261.93	Proj to TD



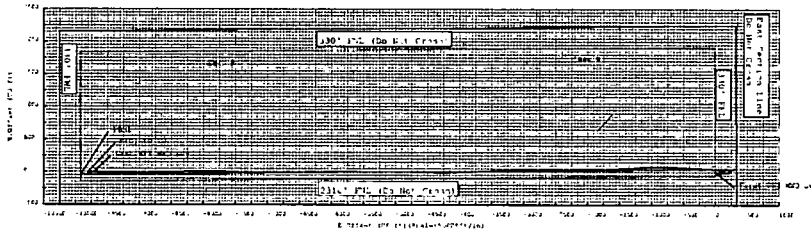
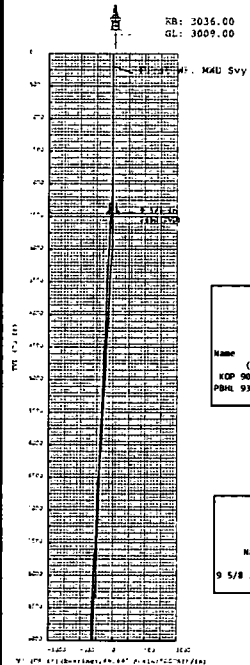
Plan vs Actual

Mewbourne Oil Company
Chicago 9/8 W0HE Fee Com #1H
Eddy Co, NM
Plan P1:V2



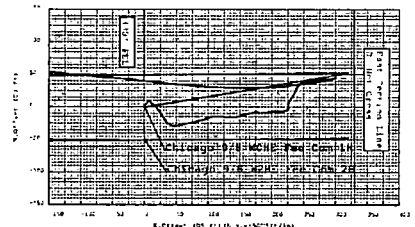
Drawing By: T. Harte Date: 18 April 2018
Office Head: Drilling Services Houston
Address: 12001 Custom Road Houston, TX 77060
Phone: Office +1.832.953.0032 Cell: +1.713.887.8256

RB: 3036.00
GL: 3009.00



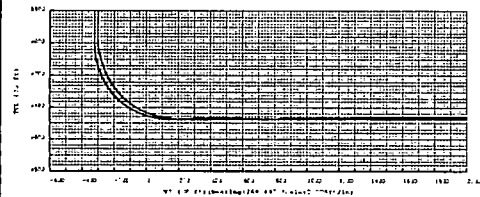
Plan Data for Chicago 9/8 W0HE Fee Com #1H
Target Set Information:
Name: Chicago 9-8 W FCI
Position offsets from Slot centre
Name TVD Elevation +/-S +/-W Northing Easting
(USft) (USft) (USft) (USft) (USft)
KOP 9000.00 -5964.00 52.35 319.56 448893.35 618184.36
PBH 9389.00 -6353.00 -39.50 -9912.70 448891.50 608152.60

Plan Data for Chicago 9/8 W0HE Fee Com #1H
Field: Mewbourne Oil Company (Rad 83 WPE2)
Map Unit: USFT Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / New Mexico East (FUS)
Site: Chicago 9/8 Pad
Unit: USmet
Company Name: Mewbourne Oil Company
Position: Northing: 448841.00USft Latitude: 32.233696°
Easting: 618064.80USft Longitude: -104.085185°
North Reference: Grid Grid Convergence: 0.13°
Elevation Above VRD: 3009.00USft
Comment: Eddy Co., New Mexico



Plan Data for Chicago 9/8 W0HE Fee Com #1H
Casing Point Information:
Position offsets from Slot centre
Name TVD +/-S +/-W Northing Easting
(USft) (USft) (USft) (USft) (USft)
9 5/8 in 2450.00 2450.00 -0.00 -0.00 448841.00 618064.80

Slot: Chicago 9/8 W0HE Fee Com #1H
Position:
Offset is from Site centre
Northing: 448841.00USft Latitude: 32.233696°
Easting: 618064.80USft Longitude: -104.085185°
Elevation Above VRD: 3009.00USft
Well: Chicago 9/8 W0HE Fee Com #1H
Type: Main Well
File Number: 13142436
Plan Folder: P1 Plan: P1:V2
Vertical Section: Position offset of origin from Slot centre:
+/-M: 0.00USft Azimuth: 269.49°
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
bgm2017 47856(nT) 7.18° 59.94° 2018-05-10
Comment: Patterson 217



Plan Data for Chicago 9/8 W0HE Fee Com #1H
Plan Point Information:
Dogleg Severity Unit: 7/100.00ft Position offsets from Slot centre
Name TVD +/-S +/-W Northing Easting Vsec DLS Comments
(USft) (") (") (USft) (USft) (USft) (USft) (USft) (USft) (USft) (DLSU)
0.00 0.00 0.00 -0.00 -0.00 448841.00 618064.80 0.00 0.00
2550.00 0.00 0.00 2550.00 -0.00 -0.00 448841.00 618064.80 0.00 0.00 Ridge
2867.80 3.18 80.70 2867.61 1.42 8.70 448842.42 618073.50 -0.71 1.00 Hold
8391.00 3.18 80.70 8382.41 50.93 310.00 448891.93 618175.66 -311.31 0.00 Drop
8708.86 0.00 0.00 8700.04 52.35 319.56 448893.35 618184.36 -320.01 1.00 Hold
9008.86 0.00 0.00 9000.04 52.35 319.56 448893.35 618184.36 -320.01 0.00 KOP
9763.19 90.52 269.49 9477.49 48.03 -162.22 448895.03 617902.58 161.78 12.00 Landing Pt
19513.97 90.52 269.49 9389.00 -39.50 -9912.70 448891.50 608152.60 9912.16 0.00 PBH

