



PHOENIX

TECHNOLOGY SERVICES USA INC.

Celebrating 20 Years of Focused Solutions

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

January 9, 2018

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Mewbourne Oil
Boston 7 W2MP Fee 1H
Eddy County, NM
API #30-015-43155
Job No. 60884

NEW MEXICO OIL CONSERVATION
ARTESIA DISTRICT

JAN 16 2018

RECEIVED

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Andy Askew	1H	0	9,120	2/12/17	2/12/17	Gyro

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Brittany Carley

Brittany Carley
Operations Administrator

OIL CONSERVATION
ARTESIA DISTRICT
JAN 16 2018

SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964



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TECHNOLOGY SERVICES

Company: Mewbourne Oil

Job #: 60884

Well Name: Boston 7 W2MP FEE 1H

County/State: Eddy/ NM

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-43155

TIE-IN DATA

0	0	0	0	0	0	Surface

First Survey

2017-02-12	0	0	0

Last Survey

2017-02-12	9120	1.12	169.16

Projected TD Survey

0	0	0	0	-0.11

Gyro Operator: Phoenix Technology Services USA Ltd.

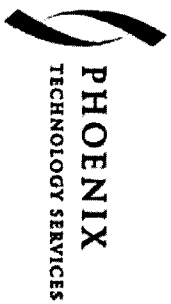
Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

Date: 2-12-17

Print Name: Andy Askew

Signature:



Company: Mewbourne Oil
Well: Boston 7 W2MP FEE 1H
Location: Eddy Co., NM
Rig: Patterson 243

Job Number: 60884
Grid Corr.: -0.11
Lat: 32.22
Long: -104.13

Date: 02-12-17
Calculation Method: Minimum Curvature
Proposed Azimuth: 26.5
RKB - MSL in feet: Surface
Tie Into: _____

FIELD COPY, NON-DEFINITIVE													
Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Enter Tie-In Survey on Line 10													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.12	26.54	100	100.00	0.09	0.09 N	0.05 E	0.10	26.54	0.12	0.12	26.54
	200.00	0.16	82.53	100	200.00	0.21	0.21 N	0.23 E	0.31	48.47	0.14	0.04	55.99
	300.00	0.15	69.23	100	300.00	0.27	0.27 N	0.49 E	0.56	61.28	0.04	-0.01	-13.30
	400.00	0.50	253.26	100	400.00	0.19	0.19 N	0.20 E	0.27	45.97	0.65	0.35	184.03
	500.00	1.71	275.97	100	499.98	0.22	0.22 N	1.70 W	1.72	277.37	1.26	1.21	22.71
	600.00	1.98	276.53	100	599.93	0.57	0.57 N	4.90 W	4.94	276.65	0.27	0.27	0.56
	700.00	2.14	270.99	100	699.86	0.80	0.80 N	8.49 W	8.53	275.39	0.26	0.16	-5.54
	800.00	2.41	280.83	100	799.78	1.23	1.23 N	12.42 W	12.48	275.65	0.47	0.27	9.84
	900.00	2.70	282.88	100	899.68	2.15	2.15 N	16.78 W	16.92	277.29	0.30	0.29	2.05
	1000.00	2.35	280.87	100	999.59	3.06	3.06 N	21.09 W	21.31	278.25	0.36	-0.35	-2.01
	1100.00	2.59	283.14	100	1099.49	3.96	3.96 N	25.30 W	25.61	278.89	0.26	0.24	2.27
	1200.00	2.57	281.08	100	1199.39	4.90	4.90 N	29.70 W	30.11	279.38	0.09	-0.02	-2.06
	1300.00	2.50	292.86	100	1299.29	6.18	6.18 N	33.91 W	34.47	280.33	0.52	-0.07	11.78
	1400.00	2.40	280.85	100	1399.20	7.42	7.42 N	37.98 W	38.70	281.06	0.52	-0.10	-12.01
	1500.00	2.41	282.32	100	1499.12	8.27	8.27 N	42.09 W	42.89	281.11	0.06	0.01	1.47
	1600.00	1.93	291.09	100	1599.04	9.32	9.32 N	45.72 W	46.66	281.52	0.58	-0.48	8.77
	1700.00	0.90	305.52	100	1699.01	10.38	10.38 N	47.93 W	49.04	282.22	1.08	-1.03	14.43
	1800.00	0.72	351.46	100	1799.00	11.46	11.46 N	48.66 W	49.99	283.25	0.65	-0.18	45.94
	1900.00	0.53	85.49	100	1899.00	12.12	12.12 N	48.29 W	49.79	284.09	0.92	-0.19	-265.97
	2000.00	1.80	74.40	100	1998.98	12.58	12.58 N	46.32 W	47.99	285.19	1.28	1.27	-11.09
	2100.00	2.76	84.31	100	2098.90	13.24	13.24 N	42.41 W	44.43	287.34	1.03	0.96	9.91
	2200.00	3.35	86.41	100	2198.75	13.66	13.66 N	37.10 W	39.53	290.22	0.60	0.59	2.10
	2300.00	3.41	87.89	100	2298.58	13.95	13.95 N	31.21 W	34.19	294.09	0.11	0.06	1.48
	2400.00	2.67	94.53	100	2398.44	13.88	13.88 N	25.92 W	29.40	298.17	0.82	-0.74	6.64
	2500.00	2.21	95.38	100	2498.35	13.51	13.51 N	21.67 W	25.54	301.94	0.46	-0.46	0.85
	2600.00	2.07	102.79	100	2598.28	12.93	12.93 N	17.99 W	22.16	305.71	0.31	-0.14	7.41
	2700.00	1.90	106.82	100	2698.22	12.05	12.05 N	14.64 W	18.97	309.46	0.22	-0.17	4.03



PHOENIX

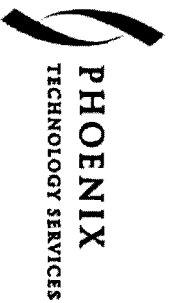
TECHNOLOGY SERVICES

Company: Mewbourne Oil
Well: Boston 7 W2MP FEE 1H
Location: Eddy Co., NM
Rig: Patterson 243

Job Number: 60884
Grid Corr.: -0.11
Lat: 32.22
Long: -104.13

Calculation Method: Minimum Curvature
Proposed Azimuth: 26.5
RKB - MSL in feet: Surface
Tie Into: _____

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	2800.00	1.80	99.57	100	2798.17	11.31	11.31 N	11.51 W	16.14	314.51	0.25	-0.10	-7.25
	2900.00	1.54	102.21	100	2898.12	10.77	10.77 N	8.65 W	13.81	321.23	0.27	-0.26	2.64
	3000.00	1.46	96.10	100	2998.09	10.35	10.35 N	6.07 W	12.00	329.62	0.18	-0.08	-6.11
	3100.00	1.57	105.88	100	3098.06	9.84	9.84 N	3.48 W	10.44	340.51	0.28	0.11	9.78
	3200.00	1.66	116.53	100	3198.02	8.82	8.82 N	0.87 W	8.86	354.37	0.31	0.09	10.65
	3300.00	1.65	110.60	100	3297.97	7.66	7.66 N	1.77 E	7.87	13.04	0.17	-0.01	-5.93
	3400.00	1.26	122.29	100	3397.94	6.57	6.57 N	4.05 E	7.72	31.67	0.49	-0.39	11.69
	3500.00	1.32	125.90	100	3497.92	5.31	5.31 N	5.91 E	7.95	48.10	0.10	0.06	3.61
	3600.00	0.99	130.42	100	3597.90	4.07	4.07 N	7.50 E	8.54	61.53	0.34	-0.33	4.52
	3700.00	0.84	167.09	100	3697.88	2.80	2.80 N	8.33 E	8.78	71.44	0.59	-0.15	36.67
	3800.00	0.57	197.38	100	3797.88	1.61	1.61 N	8.34 E	8.49	79.10	0.45	-0.27	30.29
	3900.00	0.73	195.88	100	3897.87	0.52	0.52 N	8.02 E	8.04	86.30	0.16	0.16	-1.50
	4000.00	1.13	188.15	100	3997.86	-1.07	1.07 S	7.70 E	7.78	97.91	0.42	0.40	-7.73
	4100.00	0.82	194.47	100	4097.84	-2.74	2.74 S	7.39 E	7.88	110.35	0.33	-0.31	6.32
	4200.00	0.59	182.81	100	4197.83	-3.95	3.95 S	7.18 E	8.19	118.79	0.27	-0.23	-11.66
	4300.00	0.69	216.84	100	4297.83	-4.94	4.94 S	6.80 E	8.40	126.03	0.39	0.10	34.03
	4400.00	0.88	214.37	100	4397.82	-6.06	6.06 S	6.00 E	8.53	135.27	0.19	0.19	-2.47
	4500.00	0.77	196.56	100	4497.81	-7.34	7.34 S	5.38 E	9.09	143.76	0.28	-0.11	-17.81
	4600.00	0.74	216.95	100	4597.80	-8.50	8.50 S	4.80 E	9.76	150.55	0.27	-0.03	20.39
	4700.00	0.50	258.78	100	4697.80	-9.10	9.10 S	3.98 E	9.93	156.37	0.50	-0.24	41.83
	4800.00	0.74	239.22	100	4797.79	-9.51	9.51 S	3.00 E	9.97	162.51	0.32	0.24	-19.56
	4900.00	0.48	264.88	100	4897.78	-9.88	9.88 S	2.03 E	10.09	168.41	0.37	-0.26	25.66
	5000.00	0.53	259.43	100	4997.78	-10.00	10.00 S	1.15 E	10.07	173.42	0.07	0.05	-5.45
	5100.00	0.81	255.37	100	5097.77	-10.27	10.27 S	0.01 E	10.27	179.92	0.28	0.28	-4.06
	5200.00	0.86	256.74	100	5197.76	-10.62	10.62 S	1.40 W	10.71	187.51	0.05	0.05	1.37
	5300.00	0.79	274.63	100	5297.75	-10.73	10.73 S	2.82 W	11.10	194.71	0.27	-0.07	17.89
	5400.00	0.96	249.11	100	5397.74	-10.98	10.98 S	4.29 W	11.78	201.33	0.42	0.17	-25.52
	5500.00	0.78	257.96	100	5497.73	-11.42	11.42 S	5.74 W	12.78	206.67	0.22	-0.18	8.85
	5600.00	0.72	238.52	100	5597.72	-11.89	11.89 S	6.94 W	13.76	210.27	0.26	-0.06	-19.44
	5700.00	0.76	234.38	100	5697.71	-12.60	12.60 S	8.01 W	14.93	212.45	0.07	0.04	-4.14



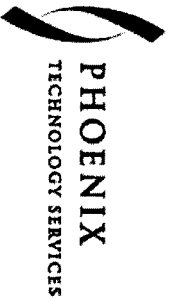
PHOENIX
TECHNOLOGY SERVICES

Company: Newbourne Oil
Well: Boston 7 W2MP FEE 1H
Location: Eddy Co., NM
Rig: Patterson 243

Job Number: 60884
Grid Corr.: -0.11
Lat: 32.22
Long: -104.13

Calculation Method: Minimum Curvature
Proposed Azimuth: 26.5
RKB - MSL in feet: Surface
Tie Into: _____

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	5800.00	0.68	231.19	100	5797.70	-13.36	13.36 S	9.01 W	16.12	214.01	0.09	-0.08	-3.19
	5900.00	0.92	243.00	100	5897.69	-14.10	14.10 S	10.19 W	17.39	215.87	0.29	0.24	11.81
	6000.00	2.78	261.33	100	5997.64	-14.83	14.83 S	13.30 W	19.92	221.90	1.93	1.86	18.33
	6100.00	1.97	274.10	100	6097.55	-15.07	15.07 S	17.42 W	23.03	229.13	0.96	-0.81	12.77
	6200.00	2.39	294.68	100	6197.48	-14.07	14.07 S	21.02 W	25.30	236.20	0.88	0.42	20.58
	6300.00	3.58	321.74	100	6297.35	-10.75	10.75 S	24.85 W	27.08	246.60	1.81	1.19	27.06
	6400.00	2.87	321.55	100	6397.19	-6.34	6.34 S	28.34 W	29.04	257.39	0.71	-0.71	-0.19
	6500.00	1.90	315.13	100	6497.10	-3.20	3.20 S	31.07 W	31.23	264.11	1.00	-0.97	-6.42
	6600.00	1.37	312.66	100	6597.06	-1.22	1.22 S	33.12 W	33.14	267.89	0.53	-0.53	-2.47
	6700.00	0.82	346.42	100	6697.04	0.29	0.29 N	34.17 W	34.17	270.48	0.83	-0.55	33.76
	6800.00	2.18	334.26	100	6797.01	2.69	2.69 N	35.16 W	35.26	274.38	1.39	1.36	-12.16
	6900.00	3.19	320.70	100	6896.90	6.56	6.56 N	37.75 W	38.31	279.86	1.19	1.01	-13.56
	7000.00	2.56	315.60	100	6996.77	10.31	10.31 N	41.07 W	42.35	284.09	0.68	-0.63	-5.10
	7100.00	1.78	306.36	100	7096.70	12.83	12.83 N	43.89 W	45.72	286.29	0.85	-0.78	-9.24
	7200.00	1.22	288.98	100	7196.66	14.09	14.09 N	46.14 W	48.25	286.98	0.72	-0.56	-17.38
	7300.00	1.85	202.30	100	7296.64	12.95	12.95 N	47.76 W	49.49	285.17	2.16	0.63	-86.68
	7400.00	1.23	201.97	100	7396.60	10.46	10.46 N	48.78 W	49.89	282.10	0.62	-0.62	-0.33
	7500.00	1.80	183.38	100	7496.57	7.89	7.89 N	49.27 W	49.90	279.10	0.75	0.57	-18.59
	7600.00	2.84	191.02	100	7596.48	3.89	3.89 N	49.84 W	49.99	274.47	1.08	1.04	7.64
	7700.00	2.46	192.84	100	7696.38	-0.63	0.63 S	50.79 W	50.79	269.29	0.39	-0.38	1.82
	7800.00	2.27	197.12	100	7796.29	-4.61	4.61 S	51.85 W	52.05	264.91	0.26	-0.19	4.28
	7900.00	1.80	192.00	100	7896.23	-8.04	8.04 S	52.76 W	53.37	261.33	0.50	-0.47	-5.12
	8000.00	1.30	215.16	100	7996.19	-10.51	10.51 S	53.74 W	54.75	258.94	0.79	-0.50	23.16
	8100.00	1.35	223.42	100	8096.17	-12.29	12.29 S	55.20 W	56.55	257.45	0.20	0.05	8.26
	8200.00	1.27	210.30	100	8196.14	-14.10	14.10 S	56.57 W	58.30	256.00	0.31	-0.08	-13.12
	8300.00	0.71	189.46	100	8296.13	-15.67	15.67 S	57.23 W	59.34	254.69	0.66	-0.56	-20.84
	8400.00	1.64	197.73	100	8396.10	-17.64	17.64 S	57.77 W	60.40	253.01	0.94	0.93	8.27
	8500.00	2.18	173.78	100	8496.05	-20.90	20.90 S	58.00 W	61.65	250.18	0.95	0.54	-23.95
	8600.00	2.25	165.98	100	8595.97	-24.69	24.69 S	57.32 W	62.41	246.69	0.31	0.07	-7.80
	8700.00	1.82	197.77	100	8695.91	-28.11	28.11 S	57.32 W	63.85	243.88	1.19	-0.43	31.79



Company: Mewbourne Oil
Well: Boston 7 W2MP FEE 1H
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Calculation Method: Minimum Curvature
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Tie Into:

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	8800.00	1.09	182.21	100	8795.88	-30.57	30.57 S	57.85 W	65.43	242.14	0.82	-0.73	-15.56
	8900.00	1.03	198.20	100	8895.86	-32.38	32.38 S	58.16 W	66.57	240.90	0.30	-0.06	15.99
	9000.00	0.83	193.23	100	8995.85	-33.94	33.94 S	58.61 W	67.73	239.93	0.22	-0.20	-4.97
	9100.00	1.24	183.59	100	9095.84	-35.72	35.72 S	58.84 W	68.84	238.74	0.44	0.41	-9.64
	9120.00	1.12	169.16	20	9115.83	-36.13	36.13 S	58.82 W	69.03	238.44	1.60	-0.60	-72.15

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-9161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 749-1283 Fax: (575) 749-0720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3470 Fax: (505) 476-2462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
August 1, 2011
Permit 204697

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-43155	2. Pool Code 75750	3. Pool Name CULEBRA BLUFF, WOLFCAMP, SOUTH (GAS)
4. Property Code 314871	5. Property Name Boston 7 W2MP Fee	6. Well No. 001H
7. OGRD No. 14744	8. Operator Name MEWBOURNE OIL CO	9. Elevation 3089

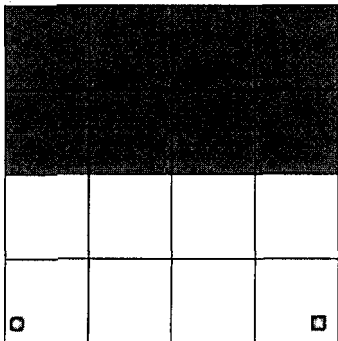
10. Surface Location

UL - Lot M	Section 7	Township 24S	Range 28E	Lot Idn M	Feet From 330	N/S Line S	Feet From 185	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot P	Section 7	Township 24S	Range 28E	Lot Idn P	Feet From 330	N/S Line S	Feet From 330	E/W Line E	County Eddy
12. Dedicated Acres 319.25			13. Joint or Infill		14. Consolidation Code			15. Order No.	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION	
	<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
	E-Signed By: Monty Whetstone Title: Vice President Operations Date: 5/28/2015	
	SURVEYOR CERTIFICATION	
	<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
	Surveyed By: Robert Howett Date of Survey: 5/26/2015 Certificate Number: 19680	