



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

August 3, 2016

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
Gobbler 5 B2IL State Com 1H
Eddy County, NM
API #30-015-42954
Job No. 60251

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	6425	07/27/16	07/27/16	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,

Claudia Carreon
Operations Administrator

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 29 2016

RECEIVED

SURVEY CERTIFICATION FORM



PHOENIX
TECHNOLOGY SERVICES

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

Company: Mewbourne

Job #: 60251

Well Name: Gobbler 5 B2IL State Com 1H

County/State: Eddy/ NM

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-42954

TIE-IN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
7-27-16	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
7-27-16	6425	1.27	8.63

Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
-0.13

Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Jaime Stephenson

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

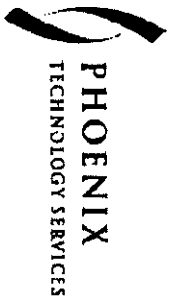
Date:

7/27/16

Print Name: Andy Askew

Signature:

[Signature]



PHOENIX

TECHNOLOGY SERVICES

Company: Mewbourne
Well: Gobbler 5 B2L State Com 1H
Location: Eddy Co., NM
Rig: Patterson 231

Job Number: 60251
Grid Corr.: -0.13
Lat: 32.68
Long: -104.08

Date: 07-27-16
Calculation Method: Minimum Curvature
Proposed Azimuth: 24
RKB - MSL in feet:
Tie Into: Surface

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 29 2015
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Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure	Dogleg	Build	Walk	
							N/S	E/W	Distance (ft)	Angle (deg)	Severity (d/100')	Rate (d/100')	Rate (d/100')
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.25	324.88	100	100.00	0.18	0.18 N	0.13 W	0.22	324.88	0.25	0.25	324.88
	200.00	0.43	70.63	100	200.00	0.48	0.48 N	0.10 E	0.49	12.08	0.55	0.18	-254.25
	300.00	0.65	105.04	100	299.99	0.46	0.46 N	1.00 E	1.10	65.47	0.38	0.22	34.41
	400.00	0.75	79.77	100	399.99	0.43	0.43 N	2.20 E	2.24	78.98	0.32	0.10	-25.27
	500.00	0.78	89.88	100	499.98	0.55	0.55 N	3.52 E	3.56	81.20	0.14	0.03	10.11
	600.00	0.81	78.05	100	599.97	0.69	0.69 N	4.89 E	4.94	81.94	0.17	0.03	-11.83
	700.00	1.50	79.09	100	699.95	1.09	1.09 N	6.87 E	6.96	81.01	0.69	0.69	1.04
	800.00	1.63	85.34	100	799.91	1.45	1.45 N	9.57 E	9.68	81.38	0.21	0.13	6.25
	900.00	1.49	77.75	100	899.87	1.84	1.84 N	12.26 E	12.40	81.46	0.25	-0.14	-7.59
	1000.00	1.37	78.51	100	999.84	2.36	2.36 N	14.70 E	14.89	80.90	0.12	-0.12	0.76
	1100.00	1.25	58.76	100	1099.82	3.16	3.16 N	16.81 E	17.10	79.35	0.46	-0.12	-19.75
	1200.00	1.52	53.93	100	1199.79	4.51	4.51 N	18.81 E	19.34	76.53	0.29	0.27	-4.83
	1300.00	1.76	51.03	100	1299.75	6.25	6.25 N	21.08 E	21.99	73.48	0.25	0.24	-2.90
	1400.00	1.74	51.60	100	1399.70	8.16	8.16 N	23.46 E	24.84	70.82	0.03	-0.02	0.57
	1500.00	2.56	48.46	100	1499.63	10.59	10.59 N	26.32 E	28.37	68.09	0.83	0.82	-3.14
	1600.00	2.66	40.68	100	1599.52	13.83	13.83 N	29.51 E	32.59	64.89	0.37	0.10	-7.78
	1700.00	2.91	41.19	100	1699.41	17.50	17.50 N	32.69 E	37.08	61.84	0.25	0.25	0.51
	1800.00	3.17	36.04	100	1799.27	21.64	21.64 N	35.99 E	42.00	58.98	0.38	0.26	-5.15
	1900.00	3.40	52.51	100	1899.10	25.68	25.68 N	39.97 E	47.51	57.28	0.97	0.23	16.47
	2000.00	3.28	42.69	100	1998.93	29.59	29.59 N	44.26 E	53.24	56.24	0.58	-0.12	-9.82
	2100.00	3.80	19.16	100	2098.75	34.82	34.82 N	47.29 E	58.73	53.63	1.53	0.52	-23.53
	2200.00	3.49	20.54	100	2198.55	40.80	40.80 N	49.45 E	64.11	50.47	0.32	-0.31	1.38
	2300.00	3.56	25.29	100	2298.36	46.46	46.46 N	51.84 E	69.61	48.13	0.30	0.07	4.75
	2400.00	3.66	42.81	100	2398.16	51.61	51.61 N	55.33 E	75.67	46.99	1.10	0.10	17.52
	2500.00	3.46	69.34	100	2497.98	55.02	55.02 N	60.33 E	81.65	47.64	1.64	-0.20	26.53
	2600.00	3.31	26.41	100	2597.82	58.67	58.67 N	64.44 E	87.14	47.68	2.48	-0.15	-42.93
	2700.00	3.26	16.64	100	2697.65	63.98	63.98 N	66.53 E	92.30	46.12	0.56	-0.05	-9.77



PHOENIX

TECHNOLOGY SERVICES

Company: Mewbourne
Well: Gobbler 5 B2L State Com 1H
Location: Eddy Co., NM
Rig: Patterson 231

Job Number: 60251
Grid Corr.: -0.13
Lat: 32.68
Long: -104.08

Calculation Method: Minimum Curvature
Proposed Azimuth: 24
RKB - MSL in feet:
Tie Into: Surface

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	3.47	355.95	100	2797.48	69.72	69.72 N	67.13 E	96.79	43.92	1.23	0.21	339.31
	2900.00	2.94	12.62	100	2897.33	75.24	75.24 N	67.48 E	101.07	41.89	1.07	-0.53	-343.33
	3000.00	3.65	60.56	100	2997.18	79.31	79.31 N	70.81 E	106.32	41.76	2.75	0.71	47.94
	3100.00	3.72	48.53	100	3096.98	83.02	83.02 N	76.02 E	112.57	42.48	0.77	0.07	-12.03
	3200.00	4.11	46.88	100	3196.74	87.62	87.62 N	81.06 E	119.37	42.77	0.41	0.39	-1.65
	3300.00	4.07	34.65	100	3296.49	92.99	92.99 N	85.70 E	126.46	42.66	0.87	-0.04	-12.23
	3400.00	3.52	81.32	100	3396.29	96.37	96.37 N	90.75 E	132.38	43.28	3.05	-0.55	46.67
	3500.00	3.50	250.13	100	3496.23	95.80	95.80 N	90.91 E	132.07	43.50	6.99	-0.02	168.81
	3600.00	3.11	355.66	100	3596.13	97.47	97.47 N	87.84 E	131.21	42.03	5.27	-0.39	105.53
	3700.00	3.16	25.43	100	3695.99	102.66	102.66 N	88.82 E	135.75	40.86	1.61	0.05	-330.23
	3800.00	3.57	16.32	100	3795.82	108.14	108.14 N	90.87 E	141.25	40.04	0.67	0.41	-9.11
	3900.00	4.72	20.71	100	3895.56	114.98	114.98 N	93.20 E	148.01	39.03	1.19	1.15	4.39
	4000.00	6.33	12.99	100	3995.09	124.20	124.20 N	95.90 E	156.91	37.67	1.77	1.61	-7.72
	4100.00	3.76	21.98	100	4094.69	132.61	132.61 N	98.36 E	165.11	36.57	2.68	-2.57	8.99
	4200.00	2.31	4.91	100	4194.55	137.66	137.66 N	99.76 E	170.01	35.93	1.69	-1.45	-17.07
	4300.00	0.20	314.60	100	4294.52	139.79	139.79 N	99.81 E	171.77	35.53	2.19	-2.11	309.69
	4400.00	0.33	179.56	100	4394.52	139.62	139.62 N	99.69 E	171.56	35.53	0.49	0.13	-135.04
	4500.00	0.63	167.41	100	4494.52	138.80	138.80 N	99.81 E	170.96	35.72	0.32	0.30	-12.15
	4600.00	0.46	117.39	100	4594.52	138.08	138.08 N	100.29 E	170.66	35.99	0.49	-0.17	-50.02
	4700.00	0.48	159.38	100	4694.51	137.50	137.50 N	100.79 E	170.49	36.24	0.34	0.02	41.99
	4800.00	0.44	269.17	100	4794.51	137.10	137.10 N	100.56 E	170.03	36.26	0.75	-0.04	109.79
	4900.00	0.59	275.42	100	4894.51	137.15	137.15 N	99.66 E	169.53	36.00	0.16	0.15	6.25
	5000.00	0.70	287.56	100	4994.50	137.38	137.38 N	98.57 E	169.08	35.66	0.17	0.11	12.14
	5100.00	0.97	294.11	100	5094.49	137.91	137.91 N	97.21 E	168.73	35.18	0.29	0.27	6.55
	5200.00	1.11	289.01	100	5194.47	138.57	138.57 N	95.52 E	168.30	34.58	0.17	0.14	-5.10
	5300.00	1.16	300.34	100	5294.45	139.40	139.40 N	93.73 E	167.98	33.92	0.23	0.05	11.33
	5400.00	1.26	324.98	100	5394.43	140.81	140.81 N	92.23 E	168.32	33.22	0.53	0.10	24.64
	5500.00	0.64	88.40	100	5494.42	141.73	141.73 N	92.16 E	169.05	33.03	1.70	-0.62	-236.58
	5600.00	1.67	344.49	100	5594.41	143.15	143.15 N	92.32 E	170.34	32.82	1.93	1.03	256.09
	5700.00	1.49	29.36	100	5694.38	145.68	145.68 N	92.57 E	172.61	32.43	1.22	-0.18	-315.13



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Well: Gobbler 5 BZIL State Com 1H
Location: Eddy Co., NM
Rig: Patterson 231

Job Number: 60251
Grid Corr.: -0.13
Lat: 32.68
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Calculation Method: Minimum Curvature
Proposed Azimuth: 24
RKB - MSL in feet: Surface
Tie Into: Surface

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')
	5800.00	1.05	35.91	100	5794.35	147.56	147.56 N	93.75 E	174.82	32.43	0.46	-0.44	6.55
	5900.00	2.54	324.75	100	5894.31	150.11	150.11 N	93.00 E	176.59	31.78	2.41	1.49	288.84
	6000.00	2.31	350.06	100	5994.22	153.90	153.90 N	91.38 E	178.99	30.70	1.09	-0.23	25.31
	6100.00	1.47	24.04	100	6094.17	157.06	157.06 N	91.55 E	181.80	30.24	1.37	-0.84	-326.02
	6200.00	1.39	350.61	100	6194.14	159.43	159.43 N	91.88 E	184.01	29.95	0.83	-0.08	326.57
	6300.00	2.31	349.43	100	6294.09	162.61	162.61 N	91.31 E	186.49	29.32	0.92	0.92	-1.18
	6400.00	1.23	3.63	100	6394.04	165.66	165.66 N	91.01 E	189.01	28.78	1.16	-1.08	-345.80
	6425.00	1.27	8.63	25	6419.03	166.20	166.20 N	91.07 E	189.52	28.72	0.46	0.16	20.00

District I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-0151 Fax (575) 393-0720

District II
911 E. First St., Artesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-0720

District III
1020 Rio Brazos Rd., Aztec, NM 87412
Phone (505) 334-6178 Fax (505) 334-6172

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3470 Fax (505) 476-3462

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

Form O-152
August 1, 2011
Permit C33137

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 AP Number 30-015-4254	2 Pool Code 45553	3 Pool Name PALMILLO:BONE SPRING, EAST
4 Property Code 314215	5 Property Name Gobbler 5 B2IL State Com	6 Well No. 001H
7 OGRIS No 14744	8 Operator Name MEWBORNE OIL CO	9 Elevation 3297

10. Surface Location

UL Lot 1	Section 5	Township 19S	Range 29E	Lotion 1	Feet From 1750	N S Line S	Feet From 300	EW Line E	County Eddy
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11. Bottom Hole Location if Different From Surface

UL Lot L	Section 5	Township 19S	Range 29E	Lotion L	Feet From 1750	N S Line S	Feet From 330	EW Line W	County Eddy
12. Decedent Acres 160.00			13. Joint or Infill		14. Consolation 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 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 undivided 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.		
	E-Signed By: Monty Whetstone Title: Vice President Operations Date: 2/20/2015		
	SURVEYOR CERTIFICATION		
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.			
Surveyed By: Robert Howell Date of Survey: 10/28/2014 Certificate Number: 19690			

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 29 2016

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