



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

September 7, 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
Glock 16 B2IL Federal No. 1H
Eddy County, NM
API #30-015-45132
Job No. 63444

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	
Noe Garza	1H	0	3,185	9/4/18	9/4/18	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

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 24 2018

RECEIVED

SURVEY CERTIFICATION FORM

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



PHOENIX
TECHNOLOGY SERVICES

Company: Mewbourne

Job #: 63444

Well Name: Glock 16 B2IL Federal No. 1H

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-45132

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 (°)
2018-09-04	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-09-04	3185	1.69	18.97

Projected TD Survey

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

Grid Correction
-0.14

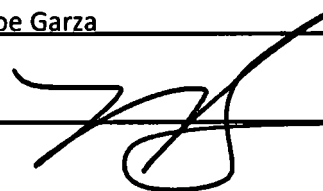
Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

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

Date: 09-04-18

Print Name: Noe Garza

Signature: 



Company: Mewbourne
 Well: Glock 16 B2IL Federal No. 1H
 Location: Eddy Co., New Mexico
 Rig: Patterson 230

Job Number: 63444
 Grid Corr.: -0.14
 Lat: 32.57
 Long: -104.07

Date: 09/04/18
 Calculation Method: Minimum Curvature
 Proposed Azimuth:
 RKB - MSL in feet: 28
 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)			
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.29	224.50	100	100.00	-0.18	0.18 S	0.18 W	0.25	224.50	0.29	0.29	224.50
	200.00	1.06	290.79	100	199.99	-0.03	0.03 S	1.22 W	1.22	268.46	0.98	0.77	66.29
	300.00	2.24	285.00	100	299.95	0.80	0.80 N	3.97 W	4.05	281.41	1.19	1.18	-5.79
	400.00	2.44	284.51	100	399.87	1.84	1.84 N	7.92 W	8.13	283.08	0.20	0.20	-0.49
	500.00	2.40	286.40	100	499.78	2.97	2.97 N	11.99 W	12.35	283.89	0.09	-0.04	1.89
	600.00	2.46	285.29	100	599.69	4.12	4.12 N	16.07 W	16.59	284.39	0.08	0.06	-1.11
	700.00	1.86	288.47	100	699.62	5.20	5.20 N	19.68 W	20.35	284.81	0.61	-0.60	3.18
	800.00	1.31	300.85	100	799.58	6.30	6.30 N	22.20 W	23.08	285.85	0.64	-0.55	12.38
	900.00	0.79	331.34	100	899.56	7.49	7.49 N	23.51 W	24.68	287.68	0.75	-0.52	30.49
	1000.00	0.72	44.11	100	999.55	8.55	8.55 N	23.40 W	24.92	290.07	0.90	-0.07	-287.23
	1100.00	0.97	55.85	100	1099.54	9.48	9.48 N	22.27 W	24.20	293.05	0.30	0.25	11.74
	1200.00	1.08	60.47	100	1199.53	10.42	10.42 N	20.75 W	23.21	296.66	0.14	0.11	4.62
	1300.00	0.91	36.24	100	1299.51	11.52	11.52 N	19.46 W	22.61	300.63	0.45	-0.17	-24.23
	1400.00	0.90	15.73	100	1399.50	12.92	12.92 N	18.77 W	22.79	304.53	0.32	-0.01	-20.51
	1500.00	1.04	352.28	100	1499.49	14.57	14.57 N	18.68 W	23.69	307.95	0.42	0.14	336.55
	1600.00	1.67	323.34	100	1599.46	16.64	16.64 N	19.67 W	25.77	310.22	0.91	0.63	-28.94
	1700.00	2.21	338.81	100	1699.40	19.61	19.61 N	21.24 W	28.91	312.71	0.75	0.54	15.47
	1800.00	2.36	344.33	100	1799.32	23.39	23.39 N	22.49 W	32.45	316.11	0.27	0.15	5.52
	1900.00	2.40	350.35	100	1899.24	27.43	27.43 N	23.40 W	36.06	319.53	0.25	0.04	6.02
	2000.00	2.09	350.77	100	1999.16	31.30	31.30 N	24.05 W	39.47	322.47	0.31	-0.31	0.42
	2100.00	2.15	339.82	100	2099.09	34.86	34.86 N	24.98 W	42.89	324.37	0.41	0.06	-10.95
	2200.00	2.38	353.01	100	2199.01	38.68	38.68 N	25.88 W	46.54	326.21	0.57	0.23	13.19
	2300.00	2.84	0.81	100	2298.91	43.22	43.22 N	26.10 W	50.49	328.87	0.58	0.46	-352.20
	2400.00	2.85	5.00	100	2398.79	48.17	48.17 N	25.85 W	54.67	331.78	0.21	0.01	4.19
	2500.00	2.43	13.43	100	2498.68	52.71	52.71 N	25.14 W	58.40	334.50	0.57	-0.42	8.43
	2600.00	2.27	16.81	100	2598.60	56.67	56.67 N	24.08 W	61.57	336.98	0.21	-0.16	3.38
	2700.00	2.37	17.17	100	2698.51	60.54	60.54 N	22.89 W	64.72	339.29	0.10	0.10	0.36



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							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	2800.00	2.62	17.50	100	2798.42	64.69	64.69 N	21.60 W	68.20	341.54	0.25	0.25	0.33
	2900.00	2.29	16.83	100	2898.33	68.79	68.79 N	20.33 W	71.73	343.53	0.33	-0.33	-0.67
	3000.00	1.93	18.11	100	2998.26	72.30	72.30 N	19.23 W	74.81	345.11	0.36	-0.36	1.28
	3100.00	2.00	16.36	100	3098.20	75.57	75.57 N	18.21 W	77.74	346.45	0.09	0.07	-1.75
	3185.00	1.69	18.97	85	3183.16	78.18	78.18 N	17.39 W	80.09	347.46	0.38	-0.36	3.07

SEP 24 2018

NM OIL CONSERVATION RECEIVED
ARTESIA DISTRICT

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

AUG 02 2018

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

RECEIVED

☐ AMENDED REPORT

District I
1623 N French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 R. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30.015-45132		2 Pool Code 27470		3 Pool Name GETTY: BONE SPRING	
4 Property Code 322178		5 Property Name GLOCK 16 B2IL FEDERAL			6 Well Number 1H
7 OGR/D NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3289'

10 Surface Location

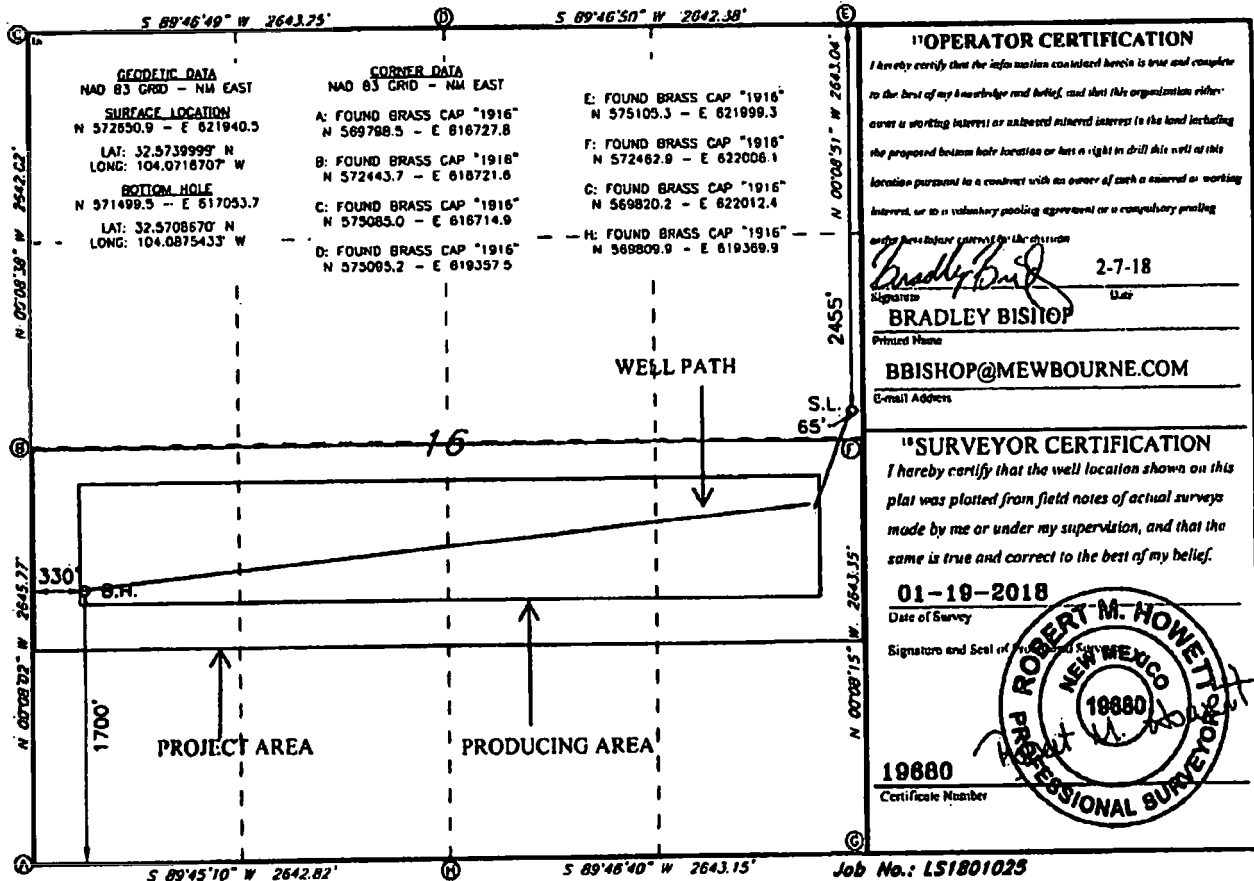
UL or Int no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	16	20S	29E		2455	NORTH	65	EAST	EDDY

11 Bottom Hole Location If Different From Surface

UL or Int no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	16	20S	29E		1700	SOUTH	330	WEST	EDDY

12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



Rup 8-2-18