



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 13, 2018

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

RECEIVED

Dear District 2 - Artesia

AUG 28 2018

Attention: Regulatory Department

DISTRICT II-ARTESIA O.C.D.

Re: Mewbourne Oil
Glock 16 B2HE Federal No. 1H
Eddy County, NM
API #30-015-43804
Job No. 63277

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	3,175	8/10/18	8/10/18	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

SURVEY CERTIFICATION FORM

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



Company: Mewbourne

Well Name: Glock 16 B2HE Federal No. 1H

Survey Instrument Type: North Seek Rate Gyro

Job #: 63277

County/State: Eddy Co., New Mexico

API # 30-015-43804

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 (°)
2018-08-10	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-08-10	3175	2.32	6.34

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: 08-10-18

Print Name: Noe Garza

Signature: _____

A handwritten signature in black ink, appearing to read 'Noe Garza', written over a horizontal line.



Company: Mewbourne
 Well: Glock 16 B2HE Federal No. 1H
 Location: Eddy Co., New Mexico
 Rig: Patterson 230

Job Number: 63277
 Grid Corr.: -0.14
 Lat: 32.57
 Long: -104.07

Date: 08-10-18
 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	0.27	25.89	100	100.00	0.21	0.21 N	0.10 E	0.24	25.89	0.27	0.27	25.89
	200.00	0.50	41.49	100	200.00	0.75	0.75 N	0.49 E	0.90	33.39	0.25	0.23	15.60
	300.00	0.96	10.94	100	299.99	1.90	1.90 N	0.94 E	2.12	26.39	0.59	0.46	-30.55
	400.00	1.08	358.66	100	399.97	3.66	3.66 N	1.08 E	3.82	16.42	0.25	0.12	347.72
	500.00	0.24	328.51	100	499.97	4.79	4.79 N	0.95 E	4.88	11.21	0.88	-0.84	-30.15
	600.00	0.55	174.99	100	599.96	4.49	4.49 N	0.88 E	4.57	11.11	0.77	0.31	-153.52
	700.00	0.48	192.27	100	699.96	3.60	3.60 N	0.83 E	3.69	13.05	0.17	-0.07	17.28
	800.00	0.17	149.49	100	799.96	3.06	3.06 N	0.82 E	3.17	15.00	0.37	-0.31	-42.78
	900.00	0.28	64.14	100	899.96	3.04	3.04 N	1.12 E	3.24	20.14	0.32	0.11	-85.35
	1000.00	0.56	89.70	100	999.96	3.15	3.15 N	1.82 E	3.64	30.08	0.33	0.28	25.56
	1100.00	0.76	73.86	100	1099.95	3.34	3.34 N	2.95 E	4.45	41.48	0.27	0.20	-15.84
	1200.00	0.57	66.70	100	1199.94	3.72	3.72 N	4.04 E	5.49	47.41	0.21	-0.19	-7.16
	1300.00	0.53	35.88	100	1299.94	4.29	4.29 N	4.77 E	6.42	48.05	0.29	-0.04	-30.82
	1400.00	0.97	335.88	100	1399.93	5.44	5.44 N	4.70 E	7.18	40.83	0.84	0.44	300.00
	1500.00	1.38	340.96	100	1499.91	7.35	7.35 N	3.96 E	8.35	28.31	0.42	0.41	5.08
	1600.00	1.74	332.63	100	1599.87	9.83	9.83 N	2.87 E	10.24	16.25	0.42	0.36	-8.33
	1700.00	1.99	334.82	100	1699.82	12.75	12.75 N	1.43 E	12.83	6.40	0.26	0.25	2.19
	1800.00	2.45	341.46	100	1799.74	16.35	16.35 N	0.01 E	16.35	0.04	0.53	0.46	6.64
	1900.00	2.73	346.09	100	1899.64	20.69	20.69 N	1.24 W	20.73	356.57	0.35	0.28	4.63
	2000.00	3.10	351.34	100	1999.51	25.67	25.67 N	2.22 W	25.77	355.06	0.46	0.37	5.25
	2100.00	3.16	357.23	100	2099.36	31.10	31.10 N	2.76 W	31.22	354.93	0.33	0.06	5.89
	2200.00	3.32	358.54	100	2199.20	36.75	36.75 N	2.97 W	36.87	355.38	0.18	0.16	1.31
	2300.00	3.60	0.31	100	2299.02	42.78	42.78 N	3.02 W	42.89	355.96	0.30	0.28	-358.23
	2400.00	3.75	5.47	100	2398.82	49.18	49.18 N	2.70 W	49.25	356.86	0.36	0.15	5.16
	2500.00	3.10	10.69	100	2498.64	55.09	55.09 N	1.88 W	55.12	358.04	0.72	-0.65	5.22
	2600.00	3.07	5.93	100	2598.49	60.41	60.41 N	1.10 W	60.42	358.95	0.26	-0.03	-4.76
	2700.00	3.15	10.64	100	2698.35	65.77	65.77 N	0.32 W	65.77	359.72	0.27	0.08	4.71



Company: Mewbourne
 Well: Glock 16 B2HE Federal No. 1H
 Location: Eddy Co., New Mexico
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 Proposed Azimuth:
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Survey Tool Type	Survey Depth (ft)	Inclina- tion (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	2.63	7.31	100	2798.22	70.75	70.75 N	0.48 E	70.75	0.39	0.55	-0.52	-3.33
	2900.00	2.91	5.75	100	2898.10	75.55	75.55 N	1.03 E	75.56	0.78	0.29	0.28	-1.56
	3000.00	2.49	8.10	100	2997.99	80.23	80.23 N	1.59 E	80.24	1.13	0.43	-0.42	2.35
	3100.00	2.20	6.22	100	3097.91	84.29	84.29 N	2.10 E	84.31	1.43	0.30	-0.29	-1.88
	3175.00	2.32	6.34	75	3172.85	87.22	87.22 N	2.42 E	87.26	1.59	0.16	0.16	0.16

District I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone (575) 740-1283 Fax: (575) 740-9720
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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30 015 43804		² Pool Code 27470	³ Pool Name Getty Bone Spring
⁴ Property Code 316 2109	⁵ Property Name Glock 16 B2HE Federal		⁶ Well Number 1H
⁷ OGRID No. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY		⁹ Elevation 3290'

" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	18	20-S	29-E		2405	NORTH	60	EAST	EDDY

" Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	16	20-S	29-E		2210	NORTH	330	WEST	EDDY

¹⁰ Dedicated Acres	¹¹ Joint or Infill	¹² Consolidation Code	¹³ Order No.
160			

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.

CORNER DATA NAD 27 GRID - NM EAST A: FOUND BRASS CAP 1916 N 569737.0 - E 575547.3 B: FOUND BRASS CAP 1916 N 572382.1 - E 575541.2 C: FOUND BRASS CAP 1916 N 575023.4 - E 575534.7 D: FOUND BRASS CAP 1916 N 575013.3 - E 578177.1 E: FOUND BRASS CAP 1916 N 575043.6 - E 580819.0 F: FOUND BRASS CAP 1916 N 572401.3 - E 580825.7 G: FOUND BRASS CAP 1916 N 568758.8 - E 580832.0 H: FOUND BRASS CAP 1916 N 569748.4 - E 578189.5 GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N 572839.0 - E 580765.1 LAT: 32.57401791° N LONG: 104.07115005° W Project Area Producing Area DETAIL "A" 3285.6 - 600' - 3293.0 3286.9 - 600' - 3296.3 S.L.	" 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 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>Bradley Bishop</i> 10-2-14 Signature Date Bradley Bishop Printed Name Email Address
	"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. 11-28-13 Date of Survey Signature and Seal of Professional Surveyor: <i>Robert M. Howett</i> 19680 Certificate Number