

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

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) 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

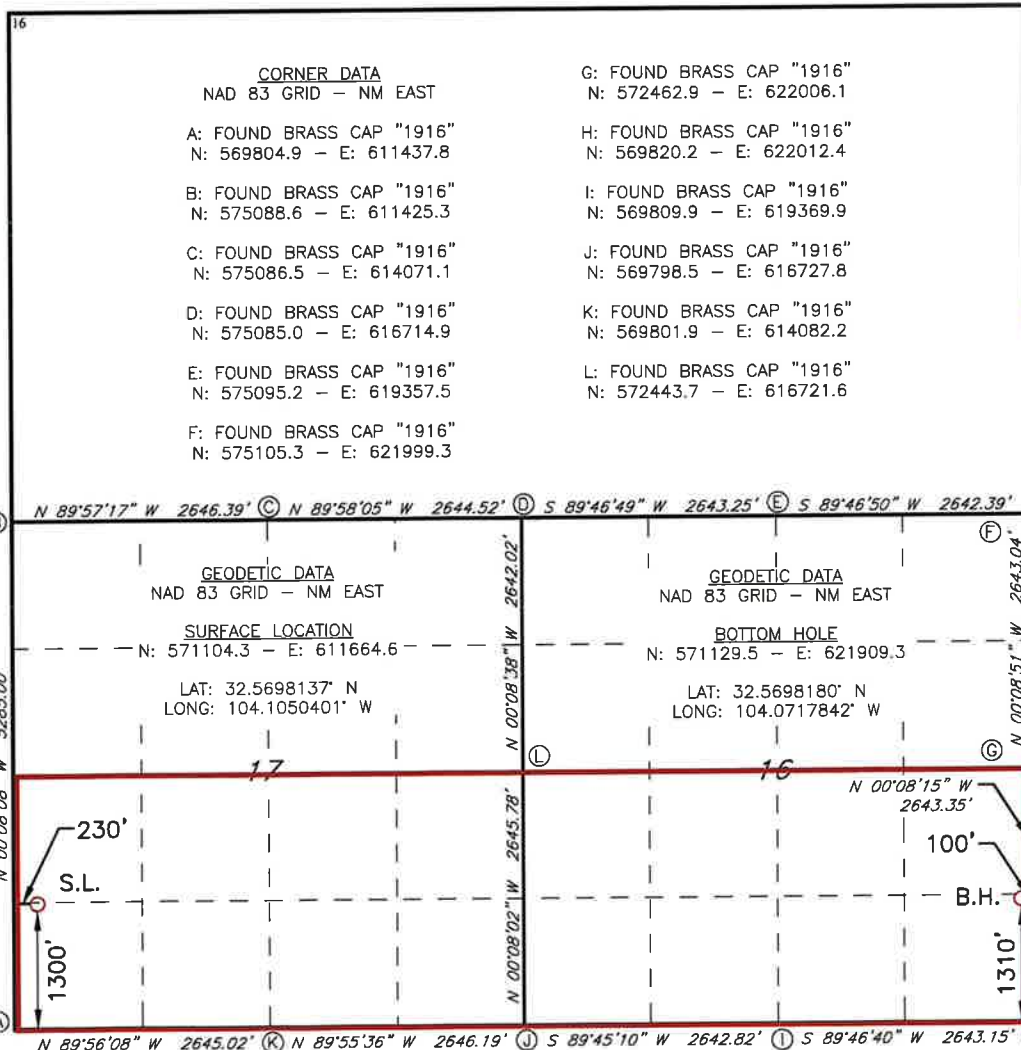
AMENDED REPORT
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

Corrected Pool

¹ API Number 30-015-46587		² Pool Code 98015		³ Pool Name WC-015 G-04 S202920D; Bone Spring					
⁴ Property Code 326889		⁵ Property Name GLOCK 17/16 B3MP FED COM					⁶ Well Number 1H		
⁷ GRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY					⁹ Elevation 3277'		
¹⁰ Surface Location									
UL or lot no. M	Section 17	Township 20S	Range 29E	Lot Idn	Feet from the 1300	North/South line SOUTH	Feet From the 230	East/West line WEST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. P	Section 16	Township 20S	Range 29E	Lot Idn	Feet from the 1308	North/South line SOUTH	Feet from the 93	East/West line EAST	County EDDY
¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.					

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.



17 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 unleased 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.

Signature: *Jackie Lathan* Date: 12/03/2020
 Printed Name: Jackie Lathan
 E-mail Address: jlathan@mewbourne.com

18 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.

9-09-2019
 Date of Survey

Signature and Seal of Professional Surveyor: *Robert M. Howett*

19680
 Certificate Number

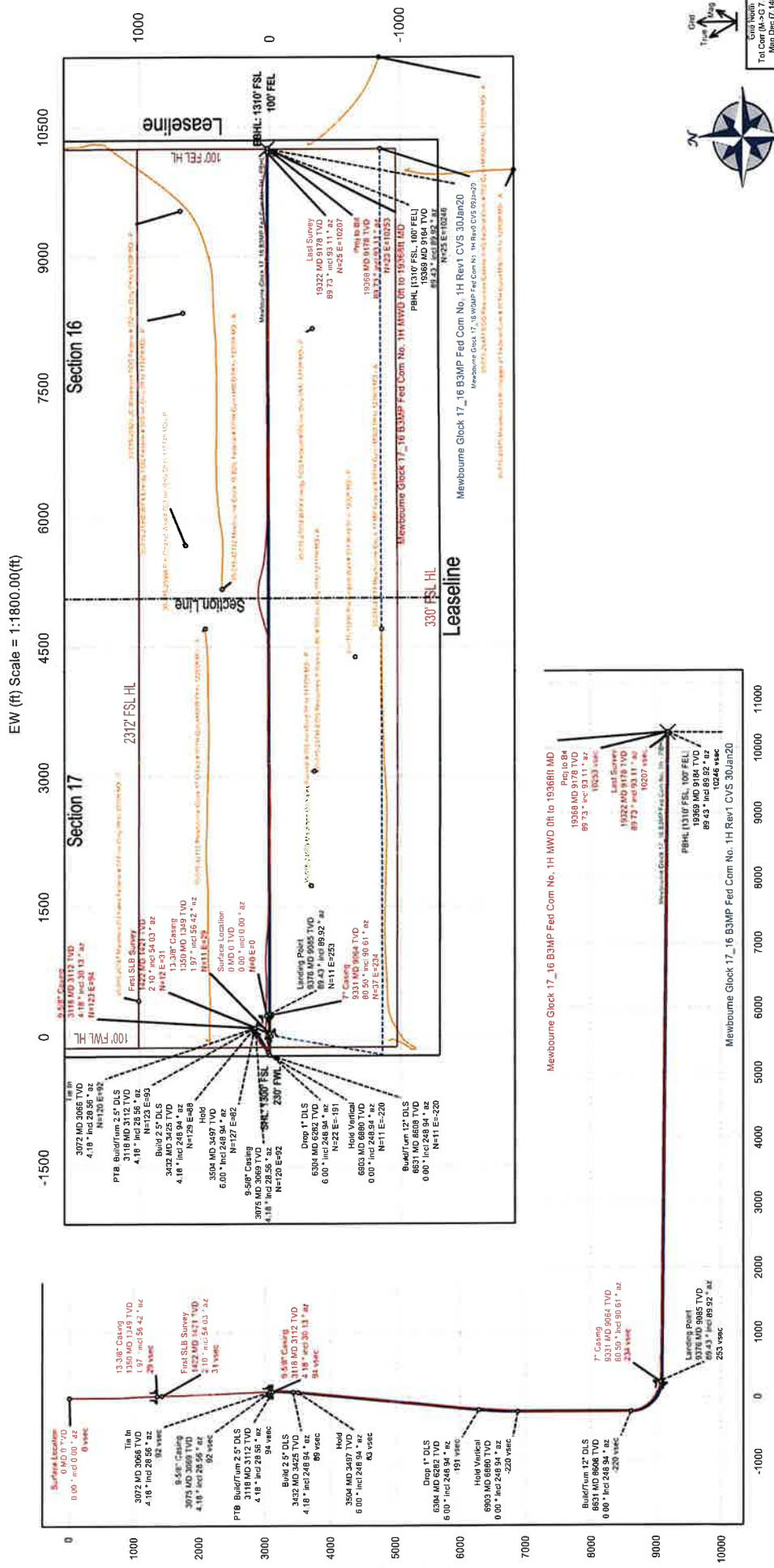
ROBERT M. HOWETT
 NEW MEXICO
 19680
 PROFESSIONAL SURVEYOR

Job No: LS19090888

Borehole: **Glack 17_16 B3MP Fed Com No. 1H** **Well:** **Glack 17_16 B3MP Fed Com No. 1H** **Field:** **NM Eddy County (NAD 83)** **Structure:** **Mewbourne Glack 17_16 B3MP Fed Com No. 1H**

Gravity & Magnetic Parameters
 Model: HDGM 2019 Dip: 60.297° Date: 24-Jan-2020 NAD83 New Mexico State Plane, Eastern Zone, US Feet
 MagDec: 7.148° FS: 47909.32N Gravity FS: 998.5mgn (8.88665 Basead) Lat: N 32.34 11.33 Northings: 571104.8RUS Grid Conv: RKB(3305H above MSL)
 Miscellaneos Slot: New Slot TVD Ref: Mewbourne Glack 17_16 B3MP Fed Com No. 1H Rev1 CVS 30Jan20
 0.1229° 0.9991475 Scale Fact: 511664.8RUS Eastings: 61664.8RUS Scale Fact: 511664.8RUS

Critical Point	MD	INCL	AZIM	TVD	VSEC	M+(M(-)	E+(M(-)	DLS
Tie In	3072.00	4.18	28.56	3065.71	92.19	120.27	91.89	0.00
9-5/8" Casing	3075.00	4.18	28.56	3068.70	92.29	120.46	91.99	0.00
PTB; Build/Turn 2.5" DLS	3118.00	4.18	28.56	3111.59	93.80	123.22	93.49	0.00
Build 2.5" DLS	3431.82	4.18	248.94	3425.06	88.60	129.16	88.28	2.50
Hold	3504.44	6.00	248.94	3497.39	82.58	126.85	82.27	2.50
Drop 1" DLS	6303.90	6.00	248.94	6281.54	-190.55	21.76	-190.60	0.00
Hold Vertical	6903.46	0.00	248.94	6880.00	-219.82	10.50	-219.85	1.00
Build/Turn 12" DLS	8631.02	0.00	248.94	8607.56	-219.82	10.50	-219.85	0.00
Landing Point	9376.28	89.43	89.92	9085.00	252.91	11.16	252.88	12.00
PBHL [1310' FSL, 100' FEL]	19369.49	89.43	89.92	9184.00	10245.62	25.20	10245.59	0.00



Mewbourne Glock 17_16 B3MP Fed Com No. 1H MWD Off to 19368ft MD Survey Geodetic Report (Def Survey)



Report Date: February 25, 2020 - 10:41 AM
Client: Mewbourne
Field: NM Eddy County (NAD 83)
Structure / Slot: Mewbourne Glock 17_16 B3MP Fed Com No. 1H / New Slot
Well: Glock 17_16 B3MP Fed Com No. 1H
Borehole: Glock 17_16 B3MP Fed Com No. 1H
UWI / AP#: Unknown / Unknown
Survey Name: Mewbourne Glock 17_16 B3MP Fed Com No. 1H MWD Off to 19368ft MD
Survey Date: January 24, 2020
Tort / AHD / DDI / ERD Ratio: 339.176 * 1/11079 899 ft / 8.999 / 1.207
Coordinate Reference System: NAD83 New Mexico State Plane, Easton Zone, US Feet
Location Lat / Long: N 32° 34' 11.32899", W 104° 6' 18.14437"
Location Grid N/E Y/X: N 571104.300 RUS, E 611664.800 RUS
CRS Grid Convergence Angle: 0.1229 °
Grid Scale Factor: 0.99991475
Version / Patch: 2.10.794.0

Survey / DLS Computation: Vertical Section Azimuth: 89.859 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3305.000 ft above MSL
Seabed / Ground Elevation: 3277.000 ft above MSL
Magnetic Declination: 7.148 °
Total Gravity Field Strength: 996.4999mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47909.320 nT
Magnetic Dip Angle: 80.297 °
Declination Date: January 24, 2020
Magnetic Declination Model: HDGM 2019
North Reference: Grid North
Grid Convergence Used: 0.1229 °
Total Corr Mag North->Grid North: 7.0251 °
Local Coord Referenced To: Well Head

Table with columns: Comments, MD (ft), Incl (°), Azim Grid (°), TVD (ft), VSEC (ft), NS (ft), EW (ft), DLS (ft/100ft), Closure (ft), Closure Azimuth (ft), Northing (RUS), Easting (RUS), Latitude (N/S ° '' '''), Longitude (E/W ° '' '''). Rows include Surface Location, 13-3/8" Casing, and 9-5/8" Casing.

Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (*100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Eastng (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Survey Error Model:	ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7855 sigma													
Survey Program:														
Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey						
	1	0.000	28.000	1/98.425	17.500	13.375	NAL_MWD-NON_SLB-Depth Only	Glock 17_16 B3MP Fed Com No. 1H / Mewbourne Glock 17_16 B3MP Fed Com No. 1H MWD 0ft						
	1	28.000	28.000	Act Stns	17.500	13.375	NAL_MWD-NON_SLB-Depth Only	Glock 17_16 B3MP Fed Com No. 1H / Mewbourne Glock 17_16 B3MP Fed Com No. 1H MWD 0ft						
	1	28.000	1350.000	Act Stns	17.500	13.375	NAL_MWD-NON_SLB	Glock 17_16 B3MP Fed Com No. 1H / Mewbourne Glock 17_16 B3MP Fed Com No. 1H MWD 0ft						
	1	1350.000	3118.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG	Glock 17_16 B3MP Fed Com No. 1H / Mewbourne Glock 17_16 B3MP Fed Com No. 1H MWD 0ft						
	1	3118.000	9331.000	Act Stns	8.750	7.000	NAL_MWD_1.0_DEG	Glock 17_16 B3MP Fed Com No. 1H / Mewbourne Glock 17_16 B3MP Fed Com No. 1H MWD 0ft						
	1	9331.000	19368.000	Act Stns	6.125	4.500	NAL_MWD_1.0_DEG	Glock 17_16 B3MP Fed Com No. 1H / Mewbourne Glock 17_16 B3MP Fed Com No. 1H MWD 0ft						

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)



March 3, 2020

Mewbourne Oil Company
PO Box 5270
Hobbs, NM, 88240

SEC 17, T20S, R29E Eddy, NM
N 32.5698137 W -104.1050401

Re:

CLIENT: Mewbourne Oil Company
WELL: Glock 17/16 B3MP Fed Com 1H
FIELD: Bone Spring

RIG: Patterson 230
COUNTY: Culberson
API NO: 30-015-46587
JOB NO: 19MLE0233

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Juan Estrada FS	Glock 17/16 B3MP Fed Com 1H Original Hole	1422.00 Ft to 19322.00 Ft	January 28, 2020 to February 23, 2020	TelePacer SlimPulse

Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)



Well Reference:
SEC 17, T20S, R29E Eddy, NM
N 32.5698137 W -104.1050401

I, Juan Estrada certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of January 28, 2020 through February 23, 2020, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 1422.00 feet to a depth of 19322.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company for the Glock 17/16 B3MP Fed Com 1H Well (Original Hole) API No. 30-015-46587 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
Juan Estrada
FS

Subscribed and Sworn to before me this 3 day of March (month) 2020 (yr)

My Commission expires:

6/14/23

(signature)

Notary Public

(County State)

