

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

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

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44655		² Pool Code 56405	³ Pool Name SHUGART NORTH BONE SPRING
⁴ Property Code 326691	⁵ Property Name VIRGO 24/23 B2HE FED COM		⁶ Well Number 1H
⁷ OGRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY		⁹ Elevation 3644'

¹⁰ Surface Location


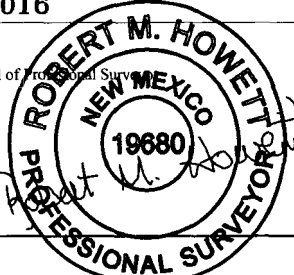
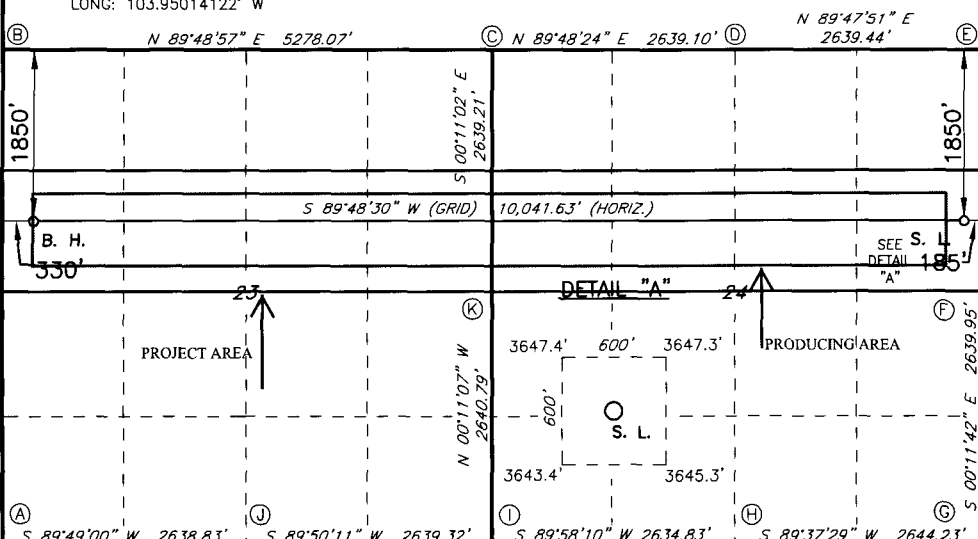
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
H	24	18S	30E		1850	NORTH	185	EAST	EDDY

¹¹ 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	23	18S	30E		1850	NORTH	330	WEST	EDDY

¹² Dedicated Acres 320	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.

¹⁶ GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N: 631339.7 - E: 628025.5 LAT: 32.73495665° N LONG: 103.91698701° W BOTTOM HOLE N: 631306.1 - E: 617986.4 LAT: 32.73496847° N LONG: 103.94963468° W GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 631402.9 - E: 669204.5 LAT: 32.73507516° N LONG: 103.91749301° W BOTTOM HOLE N: 631369.3 - E: 659165.4 LAT: 32.73508686° N LONG: 103.95014122° W		CORNER DATA NAD 27 GRID - NM EAST A: FOUND BRASS CAP "1916" N: 627876.9 - E: 617667.5 B: FOUND BRASS CAP "1916" N: 633154.6 - E: 617650.5 C: FOUND BRASS CAP "1916" N: 633171.6 - E: 622927.3 D: FOUND BRASS CAP "1916" N: 633180.5 - E: 625565.8 E: FOUND BRASS CAP "1916" N: 633189.8 - E: 628204.6		F: FOUND BRASS CAP "1916" N: 630550.9 - E: 628213.1 G: FOUND BRASS CAP "1916" N: 627911.6 - E: 628222.0 H: FOUND BRASS CAP "1916" N: 627894.3 - E: 625578.5 I: FOUND BRASS CAP "1916" N: 627892.9 - E: 622944.3 J: FOUND BRASS CAP "1916" N: 627885.3 - E: 620305.6 K: FOUND BRASS CAP "1916" N: 630533.0 - E: 622935.8		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  Date 7-26-17 Printed Name BRADLEY BISHOP E-mail Address BBISHOP@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. 3-04-2016 Date of Survey Signature and Seal of Professional Surveyor  19680 Certificate Number						

RRC - Firm No.: TX 10193838 NM 4655451 - Job No.: LS1602071

RUF 2-2-18



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report

01/24/2018

APD ID: 10400013833

Submission Date: 07/27/2017

Highlighted data
reflects the most
recent changes

Operator Name: MEWBOURNE OIL COMPANY

Well Name: VIRGO 24/23 B2HE FED COM

Well Number: 1H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	UNKNOWN	3644	27	27		NONE	No
2	RUSTLER	2847	550	550	DOLOMITE, ANHYDRITE	USEABLE WATER	No
3	TOP SALT	2647	750	750	SALT	NONE	No
4	BASE OF SALT	1834	1810	1810	SALT	NONE	No
5	YATES	1674	1970	1970	SANDSTONE	NATURAL GAS, OIL	No
6	SEVEN RIVERS	1454	2190	2190	DOLOMITE	NATURAL GAS, OIL	No
7	QUEEN	504	3140	3140	SANDSTONE, DOLOMITE	NATURAL GAS, OIL	No
8	GRAYBURG	54	3590	3590		NATURAL GAS, OIL	No
9	DELAWARE	-981	4625	4625	LIMESTONE	NATURAL GAS, OIL	No
10	BONE SPRING	-2186	5830	5830	LIMESTONE, SHALE	NATURAL GAS, OIL	No
11	BONE SPRING 1ST	-4006	7650	7650	SANDSTONE	NATURAL GAS, OIL	No
12	BONE SPRING 2ND	-4626	8270	8270	SANDSTONE	NATURAL GAS, OIL	Yes

Section 2 - Blowout Prevention

Pressure Rating (PSI): 3M

Rating Depth: 18565

Equipment: Annular, Pipe Ram, Blind Ram

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. Anchors are not required by the manufacturer. A multibowl wellhead is being used. See attached schematic.

Testing Procedure: Test Annular to 1500# Test BOPE to 3000#