

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

3a. Address

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: NENE / 450 FNL / 1110 FEL / TWSP: 26S / RANGE: 29E / SECTION: 16 / LAT: 32.0484671 / LONG: -103.9840422 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 0 FNL / 448 FEL / TWSP: 26S / RANGE: 29E / SECTION: 21 / LAT: 32.0353522 / LONG: -103.9820955 (TVD: 8678 feet, MD: 13698 feet)

PPP: NENE / 100 FNL / 500 FEL / TWSP: 26S / RANGE: 29E / SECTION: 16 / LAT: 32.0494226 / LONG: -103.9820561 (TVD: 8430 feet, MD: 8489 feet)

BHL: SESE / 100 FSL / 500 FEL / TWSP: 26S / RANGE: 29E / SECTION: 21 / LAT: 32.0212833 / LONG: -103.9821364 (TVD: 8662 feet, MD: 18815 feet)

CONFIDENTIAL

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

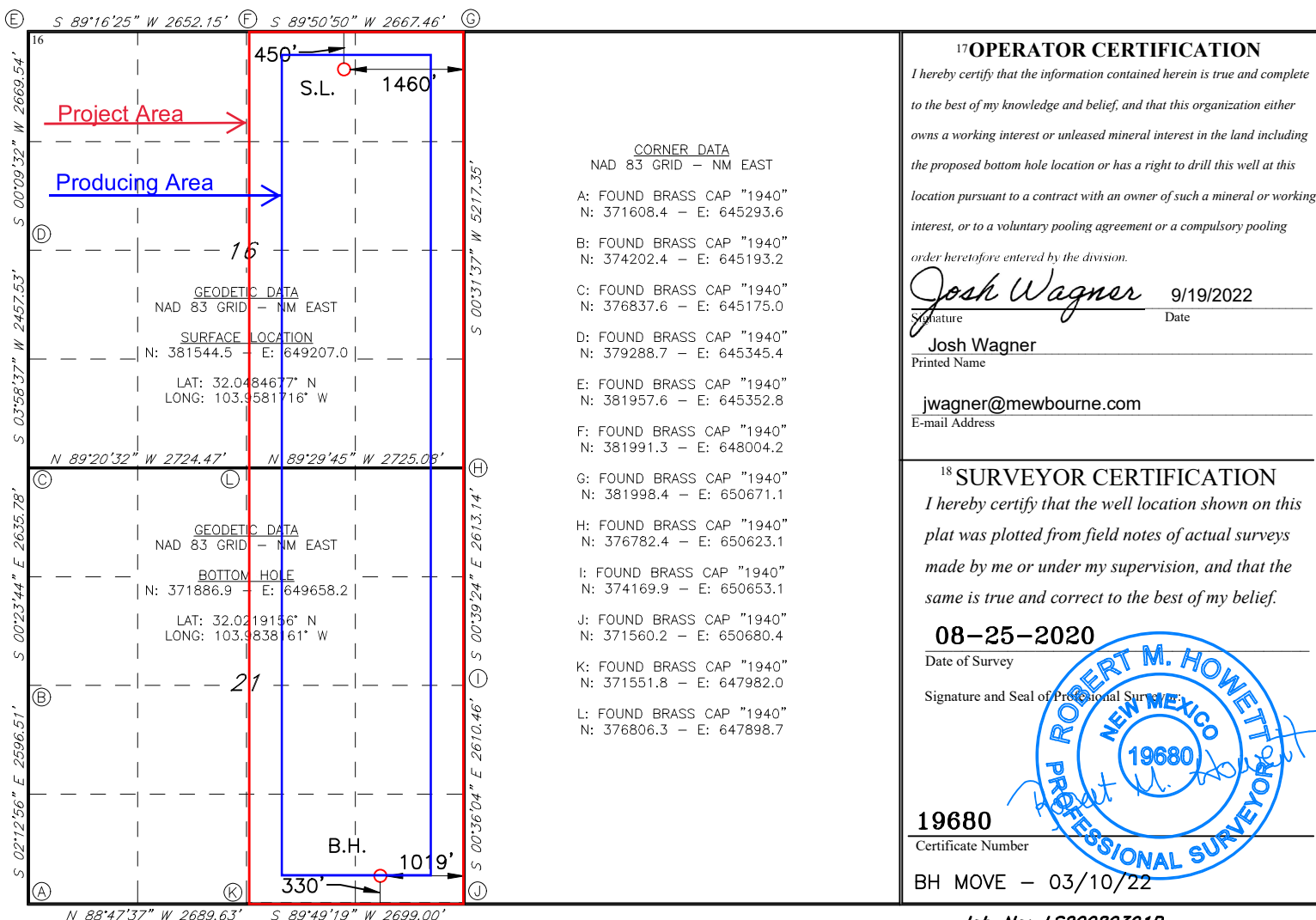
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-48988		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP GAS POOL					
⁴ Property Code 331518		⁵ Property Name SILVER BULLET 16/21 W1B0 FED COM						⁶ Well Number 3H	
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 2967'	
¹⁰ Surface Location									
UL or lot no. B	Section 16	Township 26S	Range 29E	Lot Idn	Feet from the 450	North/South line NORTH	Feet From the 1460	East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. P	Section 21	Township 26S	Range 29E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 1019	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.



Job No: LS20080391R

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Silver Bullet 16/21 W1BO Fed Com #3H

Sec 16, T26S, R29E

SHL: 450' FNL & 1460' FEL, Sec 16

BHL: 330' FSL & 1019' FEL, Sec. 21

Plan: Design #1

Standard Planning Report

18 March, 2022

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Silver Bullet 16/21 W1BO Fed Com #3H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 2995.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 2995.0usft (Original Well Elev)
Site:	Silver Bullet 16/21 W1BO Fed Com #3H	North Reference:	Grid
Well:	Sec 16, T26S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 1019' FEL, Sec. 21		
Design:	Design #1		

Project	Eddy County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Silver Bullet 16/21 W1BO Fed Com #3H				
Site Position:		Northing:	381,545.00 usft	Latitude:	32.0484691
From:	Map	Easting:	649,207.00 usft	Longitude:	-103.9851715
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	Sec 16, T26S, R29E					
Well Position	+N/-S	0.0 usft	Northing:	381,545.00 usft	Latitude:	32.0484691
	+E/-W	0.0 usft	Easting:	649,207.00 usft	Longitude:	-103.9851715
Position Uncertainty		0.0 usft	Wellhead Elevation:	2,967.0 usft	Ground Level:	2,967.0 usft
Grid Convergence:	0.18 °					

Wellbore	BHL: 330' FSL & 1019' FEL, Sec. 21				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.33	59.87	48,090.17835773

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	177.33	

Plan Survey Tool Program	Date	3/17/2022			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	19,950.8	Design #1 (BHL: 330' FSL & 1019		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,860.0	0.00	0.00	2,860.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,054.8	3.90	0.52	3,054.6	6.6	0.1	2.00	2.00	0.00	0.52	
9,322.0	3.90	0.52	9,307.4	432.4	3.9	0.00	0.00	0.00	0.00	
9,516.8	0.00	0.00	9,502.0	439.0	4.0	2.00	-2.00	0.00	180.00	KOP: 10' FNL & 1460
10,418.7	90.18	177.47	10,075.0	-135.2	29.4	10.00	10.00	0.00	177.47	
19,950.8	90.18	177.47	10,045.0	-9,658.0	451.0	0.00	0.00	0.00	0.00	BHL: 330' FSL & 1019

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Silver Bullet 16/21 W1BO Fed Com #3H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 2995.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 2995.0usft (Original Well Elev)
Site:	Silver Bullet 16/21 W1BO Fed Com #3H	North Reference:	Grid
Well:	Sec 16, T26S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 1019' FEL, Sec. 21		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 450' FNL & 1460' FEL (16)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,860.0	0.00	0.00	2,860.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.80	0.52	2,900.0	0.3	0.0	-0.3	2.00	2.00	0.00
3,000.0	2.80	0.52	2,999.9	3.4	0.0	-3.4	2.00	2.00	0.00
3,054.8	3.90	0.52	3,054.6	6.6	0.1	-6.6	2.00	2.00	0.00
3,100.0	3.90	0.52	3,099.7	9.7	0.1	-9.7	0.00	0.00	0.00
3,200.0	3.90	0.52	3,199.5	16.5	0.2	-16.5	0.00	0.00	0.00
3,300.0	3.90	0.52	3,299.3	23.3	0.2	-23.2	0.00	0.00	0.00
3,400.0	3.90	0.52	3,399.1	30.1	0.3	-30.0	0.00	0.00	0.00
3,500.0	3.90	0.52	3,498.8	36.9	0.3	-36.8	0.00	0.00	0.00
3,600.0	3.90	0.52	3,598.6	43.7	0.4	-43.6	0.00	0.00	0.00
3,700.0	3.90	0.52	3,698.4	50.5	0.5	-50.4	0.00	0.00	0.00
3,800.0	3.90	0.52	3,798.1	57.2	0.5	-57.2	0.00	0.00	0.00
3,900.0	3.90	0.52	3,897.9	64.0	0.6	-63.9	0.00	0.00	0.00
4,000.0	3.90	0.52	3,997.7	70.8	0.6	-70.7	0.00	0.00	0.00
4,100.0	3.90	0.52	4,097.4	77.6	0.7	-77.5	0.00	0.00	0.00
4,200.0	3.90	0.52	4,197.2	84.4	0.8	-84.3	0.00	0.00	0.00
4,300.0	3.90	0.52	4,297.0	91.2	0.8	-91.1	0.00	0.00	0.00
4,400.0	3.90	0.52	4,396.7	98.0	0.9	-97.9	0.00	0.00	0.00
4,500.0	3.90	0.52	4,496.5	104.8	1.0	-104.6	0.00	0.00	0.00
4,600.0	3.90	0.52	4,596.3	111.6	1.0	-111.4	0.00	0.00	0.00
4,700.0	3.90	0.52	4,696.0	118.4	1.1	-118.2	0.00	0.00	0.00
4,800.0	3.90	0.52	4,795.8	125.2	1.1	-125.0	0.00	0.00	0.00
4,900.0	3.90	0.52	4,895.6	132.0	1.2	-131.8	0.00	0.00	0.00
5,000.0	3.90	0.52	4,995.4	138.8	1.3	-138.6	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Silver Bullet 16/21 W1BO Fed Com #3H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 2995.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 2995.0usft (Original Well Elev)
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Well:	Sec 16, T26S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 1019' FEL, Sec. 21		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,100.0	3.90	0.52	5,095.1	145.6	1.3	-145.3	0.00	0.00	0.00	
5,200.0	3.90	0.52	5,194.9	152.4	1.4	-152.1	0.00	0.00	0.00	
5,300.0	3.90	0.52	5,294.7	159.1	1.5	-158.9	0.00	0.00	0.00	
5,400.0	3.90	0.52	5,394.4	165.9	1.5	-165.7	0.00	0.00	0.00	
5,500.0	3.90	0.52	5,494.2	172.7	1.6	-172.5	0.00	0.00	0.00	
5,600.0	3.90	0.52	5,594.0	179.5	1.6	-179.3	0.00	0.00	0.00	
5,700.0	3.90	0.52	5,693.7	186.3	1.7	-186.0	0.00	0.00	0.00	
5,800.0	3.90	0.52	5,793.5	193.1	1.8	-192.8	0.00	0.00	0.00	
5,900.0	3.90	0.52	5,893.3	199.9	1.8	-199.6	0.00	0.00	0.00	
6,000.0	3.90	0.52	5,993.0	206.7	1.9	-206.4	0.00	0.00	0.00	
6,100.0	3.90	0.52	6,092.8	213.5	1.9	-213.2	0.00	0.00	0.00	
6,200.0	3.90	0.52	6,192.6	220.3	2.0	-220.0	0.00	0.00	0.00	
6,300.0	3.90	0.52	6,292.4	227.1	2.1	-226.7	0.00	0.00	0.00	
6,400.0	3.90	0.52	6,392.1	233.9	2.1	-233.5	0.00	0.00	0.00	
6,500.0	3.90	0.52	6,491.9	240.7	2.2	-240.3	0.00	0.00	0.00	
6,600.0	3.90	0.52	6,591.7	247.5	2.3	-247.1	0.00	0.00	0.00	
6,700.0	3.90	0.52	6,691.4	254.3	2.3	-253.9	0.00	0.00	0.00	
6,800.0	3.90	0.52	6,791.2	261.0	2.4	-260.7	0.00	0.00	0.00	
6,900.0	3.90	0.52	6,891.0	267.8	2.4	-267.4	0.00	0.00	0.00	
7,000.0	3.90	0.52	6,990.7	274.6	2.5	-274.2	0.00	0.00	0.00	
7,100.0	3.90	0.52	7,090.5	281.4	2.6	-281.0	0.00	0.00	0.00	
7,200.0	3.90	0.52	7,190.3	288.2	2.6	-287.8	0.00	0.00	0.00	
7,300.0	3.90	0.52	7,290.0	295.0	2.7	-294.6	0.00	0.00	0.00	
7,400.0	3.90	0.52	7,389.8	301.8	2.7	-301.4	0.00	0.00	0.00	
7,500.0	3.90	0.52	7,489.6	308.6	2.8	-308.1	0.00	0.00	0.00	
7,600.0	3.90	0.52	7,589.3	315.4	2.9	-314.9	0.00	0.00	0.00	
7,700.0	3.90	0.52	7,689.1	322.2	2.9	-321.7	0.00	0.00	0.00	
7,800.0	3.90	0.52	7,788.9	329.0	3.0	-328.5	0.00	0.00	0.00	
7,900.0	3.90	0.52	7,888.7	335.8	3.1	-335.3	0.00	0.00	0.00	
8,000.0	3.90	0.52	7,988.4	342.6	3.1	-342.1	0.00	0.00	0.00	
8,100.0	3.90	0.52	8,088.2	349.4	3.2	-348.8	0.00	0.00	0.00	
8,200.0	3.90	0.52	8,188.0	356.2	3.2	-355.6	0.00	0.00	0.00	
8,300.0	3.90	0.52	8,287.7	363.0	3.3	-362.4	0.00	0.00	0.00	
8,400.0	3.90	0.52	8,387.5	369.7	3.4	-369.2	0.00	0.00	0.00	
8,500.0	3.90	0.52	8,487.3	376.5	3.4	-376.0	0.00	0.00	0.00	
8,600.0	3.90	0.52	8,587.0	383.3	3.5	-382.8	0.00	0.00	0.00	
8,700.0	3.90	0.52	8,686.8	390.1	3.6	-389.5	0.00	0.00	0.00	
8,800.0	3.90	0.52	8,786.6	396.9	3.6	-396.3	0.00	0.00	0.00	
8,900.0	3.90	0.52	8,886.3	403.7	3.7	-403.1	0.00	0.00	0.00	
9,000.0	3.90	0.52	8,986.1	410.5	3.7	-409.9	0.00	0.00	0.00	
9,100.0	3.90	0.52	9,085.9	417.3	3.8	-416.7	0.00	0.00	0.00	
9,200.0	3.90	0.52	9,185.7	424.1	3.9	-423.5	0.00	0.00	0.00	
9,300.0	3.90	0.52	9,285.4	430.9	3.9	-430.2	0.00	0.00	0.00	
9,322.0	3.90	0.52	9,307.4	432.4	3.9	-431.7	0.00	0.00	0.00	
9,400.0	2.34	0.52	9,385.3	436.6	4.0	-436.0	2.00	-2.00	0.00	
9,500.0	0.34	0.52	9,485.2	439.0	4.0	-438.3	2.00	-2.00	0.00	
9,516.8	0.00	0.00	9,502.0	439.0	4.0	-438.3	2.00	-2.00	0.00	
KOP: 10' FNL & 1460' FEL (16)										
9,550.0	3.32	177.47	9,535.2	438.0	4.0	-437.4	10.00	10.00	0.00	
9,600.0	8.32	177.47	9,584.9	433.0	4.3	-432.3	10.00	10.00	0.00	
9,650.0	13.32	177.47	9,634.0	423.6	4.7	-422.9	10.00	10.00	0.00	
9,700.0	18.32	177.47	9,682.1	410.0	5.3	-409.3	10.00	10.00	0.00	
9,750.0	23.32	177.47	9,728.8	392.2	6.1	-391.5	10.00	10.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Silver Bullet 16/21 W1BO Fed Com #3H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 2995.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 2995.0usft (Original Well Elev)
Site:	Silver Bullet 16/21 W1BO Fed Com #3H	North Reference:	Grid
Well:	Sec 16, T26S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 1019' FEL, Sec. 21		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,800.0	28.32	177.47	9,773.8	370.5	7.0	-369.8	10.00	10.00	0.00	
9,850.0	33.32	177.47	9,816.8	344.9	8.2	-344.1	10.00	10.00	0.00	
9,900.0	38.32	177.47	9,857.3	315.7	9.5	-314.9	10.00	10.00	0.00	
9,950.0	43.32	177.47	9,895.1	283.0	10.9	-282.2	10.00	10.00	0.00	
10,000.0	48.32	177.47	9,929.9	247.2	12.5	-246.4	10.00	10.00	0.00	
10,050.0	53.32	177.47	9,961.5	208.5	14.2	-207.6	10.00	10.00	0.00	
10,100.0	58.32	177.47	9,989.6	167.2	16.0	-166.3	10.00	10.00	0.00	
10,150.0	63.32	177.47	10,014.0	123.6	18.0	-122.6	10.00	10.00	0.00	
10,155.2	63.83	177.47	10,016.3	119.0	18.2	-118.0	10.00	10.00	0.00	
FTP: 330' FNL & 1443' FEL (16)										
10,200.0	68.32	177.47	10,034.5	78.1	20.0	-77.0	10.00	10.00	0.00	
10,250.0	73.32	177.47	10,050.9	30.9	22.1	-29.8	10.00	10.00	0.00	
10,300.0	78.32	177.47	10,063.1	-17.5	24.2	18.6	10.00	10.00	0.00	
10,350.0	83.32	177.47	10,071.1	-66.8	26.4	68.0	10.00	10.00	0.00	
10,400.0	88.32	177.47	10,074.8	-116.6	28.6	117.8	10.00	10.00	0.00	
10,417.4	90.06	177.47	10,075.0	-134.0	29.4	135.2	10.00	10.00	0.00	
LP: 583' FNL & 1429' FEL (16)										
10,418.7	90.18	177.47	10,075.0	-135.2	29.4	136.5	10.00	10.00	0.00	
10,500.0	90.18	177.47	10,074.7	-216.5	33.0	217.8	0.00	0.00	0.00	
10,600.0	90.18	177.47	10,074.4	-316.4	37.4	317.8	0.00	0.00	0.00	
10,700.0	90.18	177.47	10,074.1	-416.3	41.9	417.8	0.00	0.00	0.00	
10,800.0	90.18	177.47	10,073.8	-516.2	46.3	517.8	0.00	0.00	0.00	
10,900.0	90.18	177.47	10,073.5	-616.1	50.7	617.8	0.00	0.00	0.00	
11,000.0	90.18	177.47	10,073.2	-716.0	55.1	717.8	0.00	0.00	0.00	
11,100.0	90.18	177.47	10,072.9	-815.9	59.6	817.8	0.00	0.00	0.00	
11,200.0	90.18	177.47	10,072.5	-915.8	64.0	917.8	0.00	0.00	0.00	
11,300.0	90.18	177.47	10,072.2	-1,015.7	68.4	1,017.8	0.00	0.00	0.00	
11,400.0	90.18	177.47	10,071.9	-1,115.6	72.8	1,117.8	0.00	0.00	0.00	
11,500.0	90.18	177.47	10,071.6	-1,215.5	77.2	1,217.8	0.00	0.00	0.00	
11,600.0	90.18	177.47	10,071.3	-1,315.4	81.7	1,317.8	0.00	0.00	0.00	
11,700.0	90.18	177.47	10,071.0	-1,415.3	86.1	1,417.8	0.00	0.00	0.00	
11,800.0	90.18	177.47	10,070.7	-1,515.2	90.5	1,517.8	0.00	0.00	0.00	
11,900.0	90.18	177.47	10,070.3	-1,615.1	94.9	1,617.8	0.00	0.00	0.00	
12,000.0	90.18	177.47	10,070.0	-1,715.0	99.4	1,717.8	0.00	0.00	0.00	
12,100.0	90.18	177.47	10,069.7	-1,814.9	103.8	1,817.8	0.00	0.00	0.00	
12,200.0	90.18	177.47	10,069.4	-1,914.8	108.2	1,917.8	0.00	0.00	0.00	
12,300.0	90.18	177.47	10,069.1	-2,014.7	112.6	2,017.8	0.00	0.00	0.00	
12,400.0	90.18	177.47	10,068.8	-2,114.6	117.1	2,117.8	0.00	0.00	0.00	
12,500.0	90.18	177.47	10,068.4	-2,214.5	121.5	2,217.8	0.00	0.00	0.00	
12,600.0	90.18	177.47	10,068.1	-2,314.4	125.9	2,317.8	0.00	0.00	0.00	
12,700.0	90.18	177.47	10,067.8	-2,414.3	130.3	2,417.8	0.00	0.00	0.00	
12,800.0	90.18	177.47	10,067.5	-2,514.2	134.7	2,517.8	0.00	0.00	0.00	
12,900.0	90.18	177.47	10,067.2	-2,614.1	139.2	2,617.8	0.00	0.00	0.00	
13,000.0	90.18	177.47	10,066.9	-2,714.1	143.6	2,717.8	0.00	0.00	0.00	
13,100.0	90.18	177.47	10,066.6	-2,814.0	148.0	2,817.8	0.00	0.00	0.00	
13,200.0	90.18	177.47	10,066.2	-2,913.9	152.4	2,917.8	0.00	0.00	0.00	
13,300.0	90.18	177.47	10,065.9	-3,013.8	156.9	3,017.8	0.00	0.00	0.00	
13,400.0	90.18	177.47	10,065.6	-3,113.7	161.3	3,117.8	0.00	0.00	0.00	
13,500.0	90.18	177.47	10,065.3	-3,213.6	165.7	3,217.8	0.00	0.00	0.00	
13,600.0	90.18	177.47	10,065.0	-3,313.5	170.1	3,317.8	0.00	0.00	0.00	
13,700.0	90.18	177.47	10,064.7	-3,413.4	174.5	3,417.8	0.00	0.00	0.00	
13,800.0	90.18	177.47	10,064.4	-3,513.3	179.0	3,517.8	0.00	0.00	0.00	
13,900.0	90.18	177.47	10,064.0	-3,613.2	183.4	3,617.8	0.00	0.00	0.00	
14,000.0	90.18	177.47	10,063.7	-3,713.1	187.8	3,717.8	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Silver Bullet 16/21 W1BO Fed Com #3H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 2995.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 2995.0usft (Original Well Elev)
Site:	Silver Bullet 16/21 W1BO Fed Com #3H	North Reference:	Grid
Well:	Sec 16, T26S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 1019' FEL, Sec. 21		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,100.0	90.18	177.47	10,063.4	-3,813.0	192.2	3,817.8	0.00	0.00	0.00	
14,200.0	90.18	177.47	10,063.1	-3,912.9	196.7	3,917.8	0.00	0.00	0.00	
14,300.0	90.18	177.47	10,062.8	-4,012.8	201.1	4,017.8	0.00	0.00	0.00	
14,400.0	90.18	177.47	10,062.5	-4,112.7	205.5	4,117.8	0.00	0.00	0.00	
14,500.0	90.18	177.47	10,062.2	-4,212.6	209.9	4,217.8	0.00	0.00	0.00	
14,600.0	90.18	177.47	10,061.8	-4,312.5	214.4	4,317.8	0.00	0.00	0.00	
14,700.0	90.18	177.47	10,061.5	-4,412.4	218.8	4,417.8	0.00	0.00	0.00	
14,800.0	90.18	177.47	10,061.2	-4,512.3	223.2	4,517.8	0.00	0.00	0.00	
14,900.0	90.18	177.47	10,060.9	-4,612.2	227.6	4,617.8	0.00	0.00	0.00	
15,000.0	90.18	177.47	10,060.6	-4,712.1	232.0	4,717.8	0.00	0.00	0.00	
15,041.0	90.18	177.47	10,060.5	-4,753.0	233.9	4,758.7	0.00	0.00	0.00	
PPP2: 0' FNL & 1183' FEL (21)										
15,100.0	90.18	177.47	10,060.3	-4,812.0	236.5	4,817.8	0.00	0.00	0.00	
15,200.0	90.18	177.47	10,060.0	-4,911.9	240.9	4,917.8	0.00	0.00	0.00	
15,300.0	90.18	177.47	10,059.6	-5,011.8	245.3	5,017.8	0.00	0.00	0.00	
15,400.0	90.18	177.47	10,059.3	-5,111.7	249.7	5,117.8	0.00	0.00	0.00	
15,500.0	90.18	177.47	10,059.0	-5,211.6	254.2	5,217.8	0.00	0.00	0.00	
15,600.0	90.18	177.47	10,058.7	-5,311.5	258.6	5,317.8	0.00	0.00	0.00	
15,700.0	90.18	177.47	10,058.4	-5,411.4	263.0	5,417.8	0.00	0.00	0.00	
15,800.0	90.18	177.47	10,058.1	-5,511.3	267.4	5,517.8	0.00	0.00	0.00	
15,900.0	90.18	177.47	10,057.7	-5,611.2	271.8	5,617.8	0.00	0.00	0.00	
16,000.0	90.18	177.47	10,057.4	-5,711.1	276.3	5,717.8	0.00	0.00	0.00	
16,100.0	90.18	177.47	10,057.1	-5,811.0	280.7	5,817.8	0.00	0.00	0.00	
16,200.0	90.18	177.47	10,056.8	-5,910.9	285.1	5,917.8	0.00	0.00	0.00	
16,300.0	90.18	177.47	10,056.5	-6,010.8	289.5	6,017.8	0.00	0.00	0.00	
16,400.0	90.18	177.47	10,056.2	-6,110.7	294.0	6,117.8	0.00	0.00	0.00	
16,500.0	90.18	177.47	10,055.9	-6,210.6	298.4	6,217.8	0.00	0.00	0.00	
16,600.0	90.18	177.47	10,055.5	-6,310.5	302.8	6,317.8	0.00	0.00	0.00	
16,700.0	90.18	177.47	10,055.2	-6,410.4	307.2	6,417.8	0.00	0.00	0.00	
16,800.0	90.18	177.47	10,054.9	-6,510.3	311.7	6,517.8	0.00	0.00	0.00	
16,900.0	90.18	177.47	10,054.6	-6,610.2	316.1	6,617.8	0.00	0.00	0.00	
17,000.0	90.18	177.47	10,054.3	-6,710.1	320.5	6,717.8	0.00	0.00	0.00	
17,100.0	90.18	177.47	10,054.0	-6,810.0	324.9	6,817.8	0.00	0.00	0.00	
17,200.0	90.18	177.47	10,053.7	-6,909.9	329.3	6,917.8	0.00	0.00	0.00	
17,300.0	90.18	177.47	10,053.3	-7,009.8	333.8	7,017.8	0.00	0.00	0.00	
17,400.0	90.18	177.47	10,053.0	-7,109.7	338.2	7,117.8	0.00	0.00	0.00	
17,500.0	90.18	177.47	10,052.7	-7,209.6	342.6	7,217.8	0.00	0.00	0.00	
17,600.0	90.18	177.47	10,052.4	-7,309.5	347.0	7,317.8	0.00	0.00	0.00	
17,700.0	90.18	177.47	10,052.1	-7,409.4	351.5	7,417.8	0.00	0.00	0.00	
17,800.0	90.18	177.47	10,051.8	-7,509.3	355.9	7,517.8	0.00	0.00	0.00	
17,900.0	90.18	177.47	10,051.5	-7,609.2	360.3	7,617.8	0.00	0.00	0.00	
18,000.0	90.18	177.47	10,051.1	-7,709.1	364.7	7,717.8	0.00	0.00	0.00	
18,100.0	90.18	177.47	10,050.8	-7,809.0	369.1	7,817.8	0.00	0.00	0.00	
18,200.0	90.18	177.47	10,050.5	-7,908.9	373.6	7,917.8	0.00	0.00	0.00	
18,300.0	90.18	177.47	10,050.2	-8,008.8	378.0	8,017.8	0.00	0.00	0.00	
18,400.0	90.18	177.47	10,049.9	-8,108.7	382.4	8,117.8	0.00	0.00	0.00	
18,500.0	90.18	177.47	10,049.6	-8,208.6	386.8	8,217.8	0.00	0.00	0.00	
18,600.0	90.18	177.47	10,049.3	-8,308.5	391.3	8,317.8	0.00	0.00	0.00	
18,700.0	90.18	177.47	10,048.9	-8,408.4	395.7	8,417.7	0.00	0.00	0.00	
18,800.0	90.18	177.47	10,048.6	-8,508.3	400.1	8,517.7	0.00	0.00	0.00	
18,900.0	90.18	177.47	10,048.3	-8,608.2	404.5	8,617.7	0.00	0.00	0.00	
19,000.0	90.18	177.47	10,048.0	-8,708.2	408.9	8,717.7	0.00	0.00	0.00	
19,100.0	90.18	177.47	10,047.7	-8,808.1	413.4	8,817.7	0.00	0.00	0.00	
19,200.0	90.18	177.47	10,047.4	-8,908.0	417.8	8,917.7	0.00	0.00	0.00	

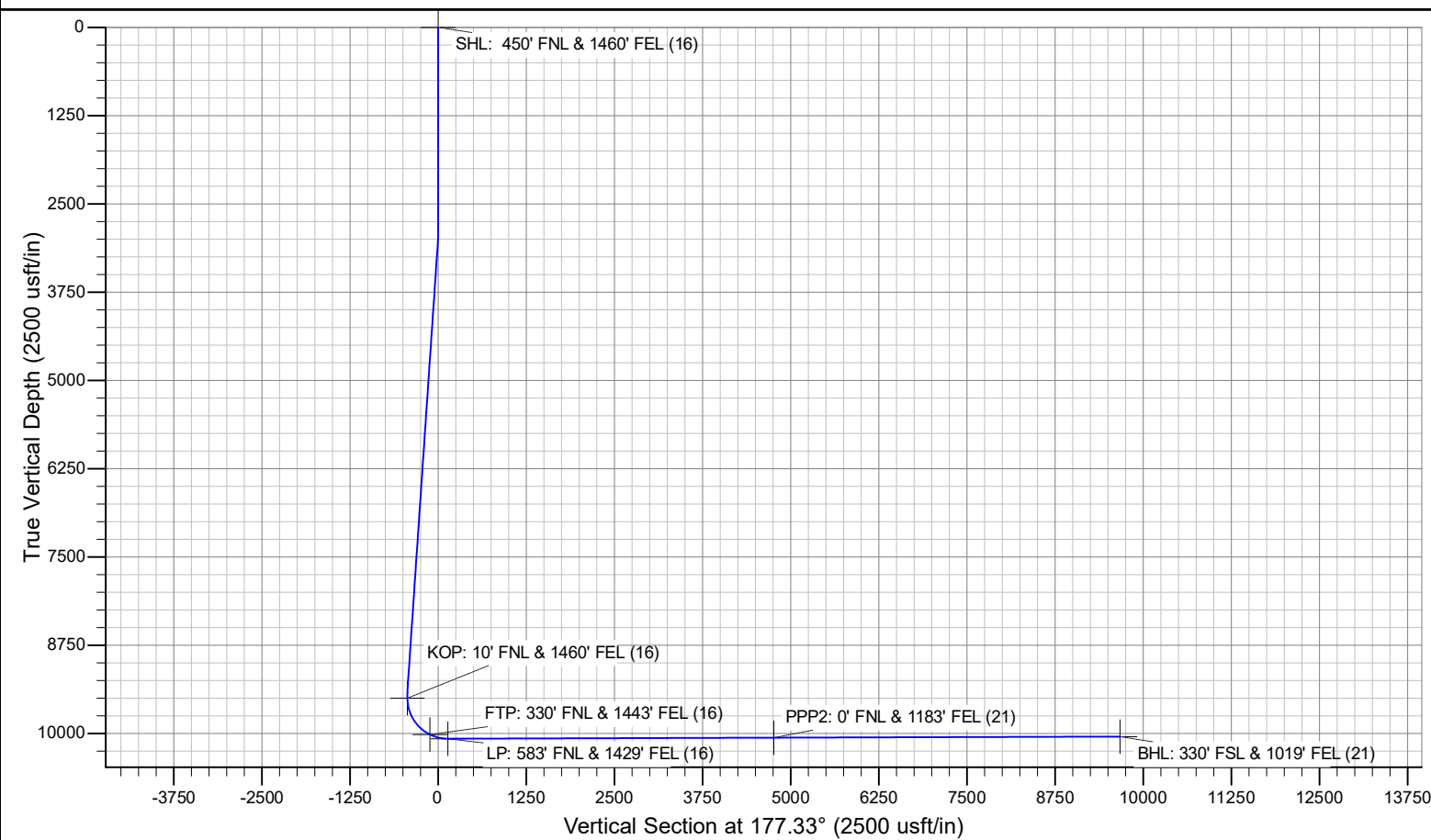
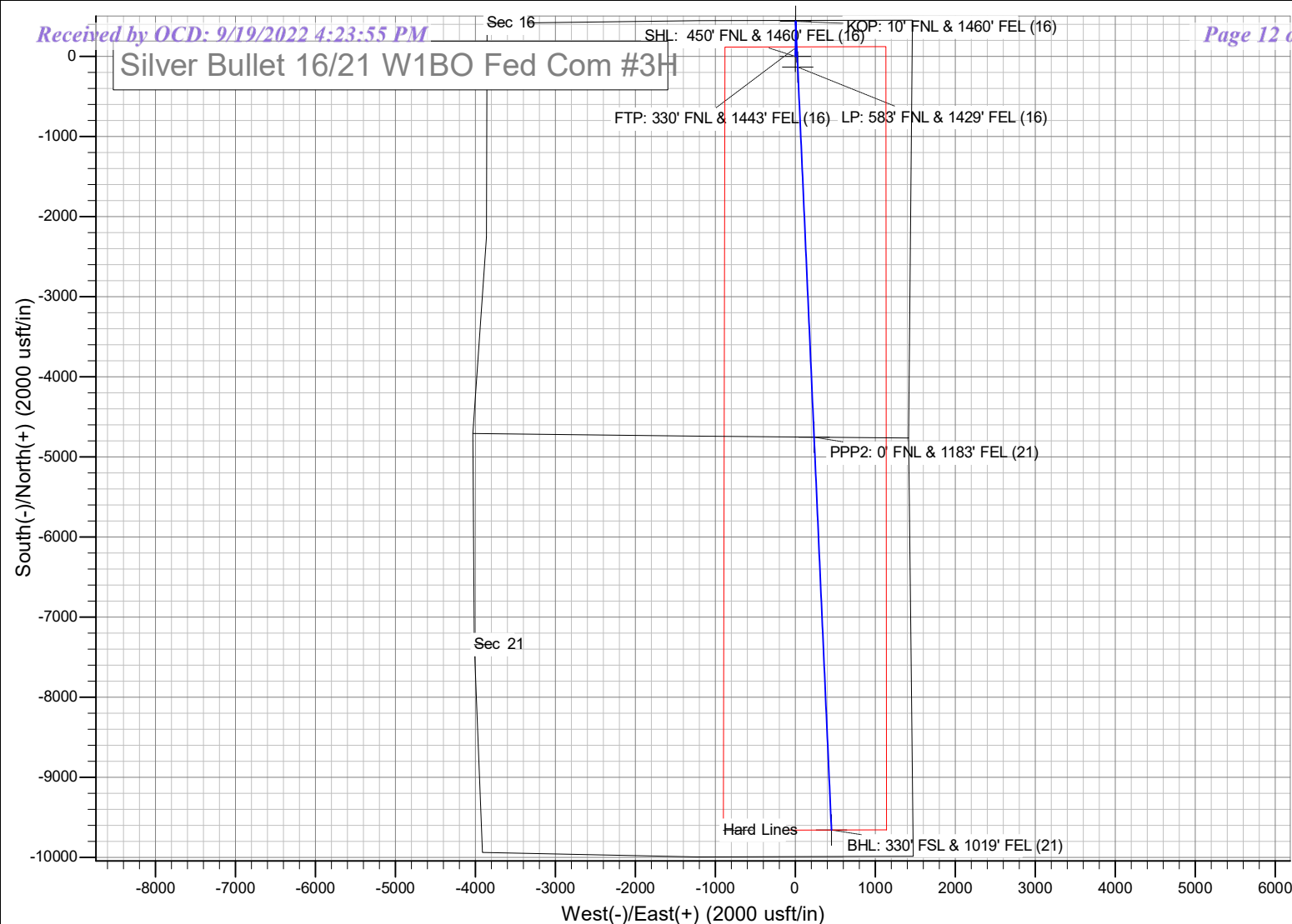
Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Silver Bullet 16/21 W1BO Fed Com #3H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 2995.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 2995.0usft (Original Well Elev)
Site:	Silver Bullet 16/21 W1BO Fed Com #3H	North Reference:	Grid
Well:	Sec 16, T26S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 1019' FEL, Sec. 21		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,300.0	90.18	177.47	10,047.0	-9,007.9	422.2	9,017.7	0.00	0.00	0.00
19,400.0	90.18	177.47	10,046.7	-9,107.8	426.6	9,117.7	0.00	0.00	0.00
19,500.0	90.18	177.47	10,046.4	-9,207.7	431.1	9,217.7	0.00	0.00	0.00
19,600.0	90.18	177.47	10,046.1	-9,307.6	435.5	9,317.7	0.00	0.00	0.00
19,700.0	90.18	177.47	10,045.8	-9,407.5	439.9	9,417.7	0.00	0.00	0.00
19,800.0	90.18	177.47	10,045.5	-9,507.4	444.3	9,517.7	0.00	0.00	0.00
19,900.0	90.18	177.47	10,045.2	-9,607.3	448.8	9,617.7	0.00	0.00	0.00
19,950.8	90.18	177.47	10,045.0	-9,658.0	451.0	9,668.5	0.00	0.00	0.00
BHL: 330' FSL & 1019' FEL (21)									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL: 450' FNL & 1460' FI - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	381,545.00	649,207.00	32.0484691	-103.9851715
KOP: 10' FNL & 1460' FI - plan hits target center - Point	0.00	0.00	9,502.0	439.0	4.0	381,984.00	649,211.00	32.0496758	-103.9851540
FTP: 330' FNL & 1443' F - plan hits target center - Point	0.00	0.00	10,016.3	119.0	18.2	381,664.00	649,225.17	32.0487960	-103.9851116
BHL: 330' FSL & 1019' F - plan hits target center - Point	0.00	0.01	10,045.0	-9,658.0	451.0	371,887.00	649,658.00	32.0219158	-103.9838167
PPP2: 0' FNL & 1183' FE - plan hits target center - Point	0.00	0.00	10,060.5	-4,753.0	233.9	376,792.00	649,440.86	32.0354013	-103.9844662
LP: 583' FNL & 1429' FE - plan hits target center - Point	0.00	0.00	10,075.0	-134.0	29.4	381,411.00	649,236.37	32.0481005	-103.9850781

Silver Bullet 16/21 W1BO Fed Com #3H



Mewbourne Oil Company, Silver Bullet 16/21 W1BO Fed Com #3H**Sec 16, T26S, R29E****SHL: 450' FNL & 1460' FEL, Sec 16****BHL: 330' FSL & 1019' FEL, Sec 21****1. Geologic Formations**

TVD of target	10,075'	Pilot hole depth	NA
MD at TD:	19950'	Deepest expected fresh water:	75'

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface		
Rustler			
Top of Salt	975		
Castile			
Base of Salt	2311		
Yates			
Capitan			
Lamar	2935	Oil/Gas	
Bell Canyon	2965	Oil/Gas	
Cherry Canyon	3840	Oil/Gas	
Manzanita Marker	4020		
Brushy Canyon			
Bone Spring	6747	Oil/Gas	
1 st Bone Spring Sand	7655	Oil/Gas	
2 nd Bone Spring Sand	8355	Oil/Gas	
3 rd Bone Spring Sand	9604	Oil/Gas	
Abo			
Wolfcamp	9883	Target Zone	
Devonian			
Ellenburger			
Granite Wash			

*H2S, water flows, loss of circulation, abnormal pressures, etc.

Mewbourne Oil Company, Silver Bullet 16/21 W1BO Fed Com #3H**Sec 16, T26S, R29E****SHL: 450' FNL & 1460' FEL, Sec 16****BHL: 330' FSL & 1019' FEL, Sec 21****2. Casing Program**

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
	From	To								
17.5"	0'	910'	13.375"	48	H40	STC	1.85	4.15	7.37	12.39
12.25"	0'	2860'	9.625"	36	J55	LTC	1.36	2.37	4.4	5.48
8.75"	0'	10200'	7"	26	P110	LTC	1.54	2.07	2.61	3.13
6.125"	9518'	19,950'	4.5"	13.5	P110	LTC	2.04	2.37	2.4	3
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Mewbourne Oil Company, Silver Bullet 16/21 W1BO Fed Com #3H**Sec 16, T26S, R29E****SHL: 450' FNL & 1460' FEL, Sec 16****BHL: 330' FSL & 1019' FEL, Sec 21****3. Cementing Program**

Casing	# Sks	Wt. lb/gal	Yld ft3/sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
13.375"	475	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
9.625"	440	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
7"	65	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	100	14.8	1.34	6.3	8	Tail: Class C + Retarder
DV Tool @ 4020'						
7"	330	12.5	2.12	11	9	Lead: Class C + Salt + Gel + Extender + LCM
	400	15.6	1.18	5.2	10	Tail: Class H + Retarder + Fluid Loss + Defoamer
4.5"	420	11.2	2.97	17	16	Class H + Salt + Gel + Fluid Loss + Retarder + Dispersant + Defoamer + Anti-Settling Agent

A copy of cement test will be available on location at time of cement job providing pump times, compressive strengths, etc.

Casing String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
1 st Production	2660'	25%
2 nd Production	4020'	25%
Liner	9518'	25%

Mewbourne Oil Company, Silver Bullet 16/21 W1BO Fed Com #3H**Sec 16, T26S, R29E****SHL: 450' FNL & 1460' FEL, Sec 16****BHL: 330' FSL & 1019' FEL, Sec 21****4. Pressure Control Equipment**

N	Variance: None
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BOP installed and tested before drilling which hole?	Size?	System Rated WP	Type	✓	Tested to:
12-1/4"	13-5/8"	5M	Annular	X	2500#
			Blind Ram	X	5000#
			Pipe Ram	X	
			Double Ram		
			Other*		

*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
N	Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. Provide description here: See attached schematic.

Mewbourne Oil Company, Silver Bullet 16/21 W1BO Fed Com #3H**Sec 16, T26S, R29E****SHL: 450' FNL & 1460' FEL, Sec 16****BHL: 330' FSL & 1019' FEL, Sec 21****5. Mud Program**

TVD		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	910'	FW Gel	8.6-8.8	28-34	N/C
910'	2860'	Saturated Brine	10.0	28-34	N/C
2860'	10,034'	Cut Brine	8.6-9.7	28-34	N/C
10,034'	10,075'	OBM	10.0-12.5	30-40	<10cc

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. MW up to 13.0 ppg may be required for shale control. The highest MW needed to balance formation pressure is expected to be 12.5 ppg.

What will be used to monitor the loss or gain of fluid?	Pason/PVT/Visual Monitoring
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1625 N. French Dr., Hobbs, NM 88240
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1220 S. St Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 144654

COMMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 144654
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Approved, John Garcia, Petroleum Engineer	9/30/2022

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CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	9/30/2022