

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011

Permit 293272

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241		2. OGRID Number 14744
		3. API Number 30-015-48095
4. Property Code 330281	5. Property Name JOURNEY 11 B2MP FEE	6. Well No. 001H

7. Surface Location

UL - Lot L	Section 11	Township 24S	Range 28E	Lot Idn L	Feet From 1635	N/S Line S	Feet From 250	E/W Line W	County Eddy
---------------	---------------	-----------------	--------------	--------------	-------------------	---------------	------------------	---------------	----------------

8. Proposed Bottom Hole Location

UL - Lot P	Section 11	Township 24S	Range 28E	Lot Idn P	Feet From 500	N/S Line S	Feet From 100	E/W Line E	County Eddy
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	------------------	---------------	----------------

9. Pool Information

MALAGA;BONE SPRING, NORTH	42800
---------------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3000
16. Multiple N	17. Proposed Depth 13350	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 4/9/2021
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	585	460	0
Int1	12.25	9.625	36	2485	530	0
Prod	8.75	7	26	8500	730	2285
Liner1	6.125	4.5	13.5	13350	220	7771

Casing/Cement Program: Additional Comments

--

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	1500	Schaffer
Double Ram	3000	3000	Schaffer
Annular	3000	1500	Schaffer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.

OIL CONSERVATION DIVISION

Signature:

Printed Name: Electronically filed by Monty Whetstone

Title: Vice President Operations

Email Address: prodmgr@mewbourne.com

Date: 3/9/2021

Phone: 903-561-2900

Approved By: Kurt Simmons

Title: Petroleum Specialist - A

Approved Date: 3/11/2021

Expiration Date: 3/11/2023

Conditions of Approval Attached

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		² Pool Code 42800		³ Pool Name MALAGA; BONE SPRING, NORTH	
⁴ Property Code		⁵ Property Name JOURNEY 11 B2MP FEE			⁶ Well Number 1H
⁷ GRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3000'

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
L	11	24S	28E		1635	SOUTH	250	WEST	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
P	11	24S	28E		500	SOUTH	100	EAST	EDDY

¹² Dedicated Acres 160	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.

① N 89°27'05" W 2686.07' ② N 89°29'39" W 2685.42' ③ N 00°04'18" W 5245.41' ④ N 00°24'57" W 5323.53' ⑤ N 88°38'57" W 5404.85'		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 an 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: <i>Levi Jackson</i> Date: 3-9-21 Printed Name: Levi Jackson E-mail Address: ljackson@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. 03-05-2021 Date of Survey Signature and Seal of Professional Surveyor: <i>Robert M. Howett</i> 19680 Certificate Number		16 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 447463.7 - E: 623957.8 LAT: 32.2298716° N LONG: 104.0661376° W BOTTOM HOLE LOCATION N: 446209.8 - E: 629008.5 LAT: 32.2263892° N LONG: 104.0498144° W CORNER DATA NAD 83 GRID - NM EAST A: FOUND 1/2" REBAR N: 445835.0 - E: 623710.0 B: FOUND BRASS CAP "1942" N: 451079.2 - E: 623703.4 C: FOUND RAIL ROAD SPIKE N: 451053.5 - E: 626388.7 D: FOUND BRASS CAP "1942" N: 451029.8 - E: 629073.5 E: FOUND 1/2" REBAR N: 445707.6 - E: 629112.1 11 250' S.L. 1635' 100' B.H. 500' PROJECT AREA PRODUCING AREA

Job No.: LS21030189

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

GAS CAPTURE PLAN

Date: 3/11/2021

☒ Original

Operator & OGRID No.: [14744] MEWBOURNE OIL CO

☐ Amended - Reason for
Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
JOURNEY 11 B2MP FEE #001H	30-015-48095	L-11-24S-28E	1635S 0250W	10	Flared	ONLINE AFTER FRAC

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to LUCID ENERGY DELAWARE, LLC and will be connected to LUCID ENERGY DELAWARE, LLC High Pressure gathering system located in Eddy County, New Mexico. It will require 3400' of pipeline to connect the facility to High Pressure gathering system. MEWBOURNE OIL CO provides (periodically) to LUCID ENERGY DELAWARE, LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, MEWBOURNE OIL CO and LUCID ENERGY DELAWARE, LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at LUCID ENERGY DELAWARE, LLC Processing Plant located in Sec. 25, Twn. 18S, Rng. 25E, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on LUCID ENERGY DELAWARE, LLC system at that time. Based on current information, it is MEWBOURNE OIL CO's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Comments

Permit 293272

PERMIT COMMENTS

Operator Name and Address: MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241		API Number: 30-015-48095
		Well: JOURNEY 11 B2MP FEE #001H

Created By	Comment	Comment Date
------------	---------	--------------

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 Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 293272

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241	API Number: 30-015-48095
	Well: JOURNEY 11 B2MP FEE #001H

OCD Reviewer	Condition
ksimmons	Cement is required to circulate on both surface and intermediate1 strings of casing
ksimmons	Will require a File As Drilled C-102 and a Directional Survey with the C-104
ksimmons	Notify OCD 24 hours prior to casing & cement
kpickford	Surface casing must be set 25' below top of Rustler Anhydrite or salt in order to seal off protectable water
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Journey 11 B2MP Fee #1H

Sec 11, T24S, R28E

SHL: 1635' FSL & 250' FWL, Sec 11

BHL: 500' FSL & 100' FEL, Sec 11

Plan: Design #1

Standard Planning Report

08 March, 2021

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Journey 11 B2MP Fee #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3027.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3027.0usft (Original Well Elev)
Site:	Journey 11 B2MP Fee #1H	North Reference:	Grid
Well:	Sec 11, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' FEL, Sec 11		
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	Journey 11 B2MP Fee #1H				
Site Position:		Northing:	447,464.00 usft	Latitude:	32.2298723
From:	Map	Easting:	623,958.00 usft	Longitude:	-104.0661370
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	Sec 11, T24S, R28E					
Well Position	+N/-S	0.0 usft	Northing:	447,464.00 usft	Latitude:	32.2298723
	+E/-W	0.0 usft	Easting:	623,958.00 usft	Longitude:	-104.0661370
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,027.0 usft	Ground Level:	2,999.0 usft
Grid Convergence:		0.14 °				

Wellbore	BHL: 500' FSL & 100' FEL, Sec 11				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.38	60.02	48,190.21423176

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	103.94	

Plan Survey Tool Program	Date	3/8/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	13,350.3	Design #1 (BHL: 500' FSL & 100'		

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	
585.0	0.00	0.00	585.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,078.5	9.87	189.99	1,076.1	-41.8	-7.4	2.00	2.00	0.00	189.99	
7,277.1	9.87	189.99	7,182.9	-1,088.2	-191.6	0.00	0.00	0.00	0.00	
7,770.6	0.00	0.00	7,674.0	-1,130.0	-199.0	2.00	-2.00	0.00	180.00	KOP: 500' FSL & 50' I
8,658.7	88.78	91.35	8,247.0	-1,143.2	361.8	10.00	10.00	0.00	91.35	
13,350.3	88.78	91.35	8,347.0	-1,254.0	5,051.0	0.00	0.00	0.00	0.00	BHL: 500' FL & 100' F

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Journey 11 B2MP Fee #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3027.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3027.0usft (Original Well Elev)
Site:	Journey 11 B2MP Fee #1H	North Reference:	Grid
Well:	Sec 11, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' FEL, Sec 11		
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: 1635' FSL & 250' FWL (11)									
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
585.0	0.00	0.00	585.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.30	189.99	600.0	0.0	0.0	0.0	2.00	2.00	0.00
700.0	2.30	189.99	700.0	-2.3	-0.4	0.2	2.00	2.00	0.00
800.0	4.30	189.99	799.8	-7.9	-1.4	0.6	2.00	2.00	0.00
900.0	6.30	189.99	899.4	-17.0	-3.0	1.2	2.00	2.00	0.00
1,000.0	8.30	189.99	998.6	-29.6	-5.2	2.1	2.00	2.00	0.00
1,078.5	9.87	189.99	1,076.1	-41.8	-7.4	2.9	2.00	2.00	0.00
1,100.0	9.87	189.99	1,097.2	-45.4	-8.0	3.2	0.00	0.00	0.00
1,200.0	9.87	189.99	1,195.8	-62.3	-11.0	4.4	0.00	0.00	0.00
1,300.0	9.87	189.99	1,294.3	-79.2	-13.9	5.5	0.00	0.00	0.00
1,400.0	9.87	189.99	1,392.8	-96.0	-16.9	6.7	0.00	0.00	0.00
1,500.0	9.87	189.99	1,491.3	-112.9	-19.9	7.9	0.00	0.00	0.00
1,600.0	9.87	189.99	1,589.8	-129.8	-22.9	9.1	0.00	0.00	0.00
1,700.0	9.87	189.99	1,688.4	-146.7	-25.8	10.3	0.00	0.00	0.00
1,800.0	9.87	189.99	1,786.9	-163.6	-28.8	11.5	0.00	0.00	0.00
1,900.0	9.87	189.99	1,885.4	-180.4	-31.8	12.6	0.00	0.00	0.00
2,000.0	9.87	189.99	1,983.9	-197.3	-34.8	13.8	0.00	0.00	0.00
2,100.0	9.87	189.99	2,082.4	-214.2	-37.7	15.0	0.00	0.00	0.00
2,200.0	9.87	189.99	2,181.0	-231.1	-40.7	16.2	0.00	0.00	0.00
2,300.0	9.87	189.99	2,279.5	-248.0	-43.7	17.4	0.00	0.00	0.00
2,400.0	9.87	189.99	2,378.0	-264.9	-46.6	18.5	0.00	0.00	0.00
2,500.0	9.87	189.99	2,476.5	-281.7	-49.6	19.7	0.00	0.00	0.00
2,600.0	9.87	189.99	2,575.0	-298.6	-52.6	20.9	0.00	0.00	0.00
2,700.0	9.87	189.99	2,673.6	-315.5	-55.6	22.1	0.00	0.00	0.00
2,800.0	9.87	189.99	2,772.1	-332.4	-58.5	23.3	0.00	0.00	0.00
2,900.0	9.87	189.99	2,870.6	-349.3	-61.5	24.5	0.00	0.00	0.00
3,000.0	9.87	189.99	2,969.1	-366.2	-64.5	25.6	0.00	0.00	0.00
3,100.0	9.87	189.99	3,067.6	-383.0	-67.5	26.8	0.00	0.00	0.00
3,200.0	9.87	189.99	3,166.2	-399.9	-70.4	28.0	0.00	0.00	0.00
3,300.0	9.87	189.99	3,264.7	-416.8	-73.4	29.2	0.00	0.00	0.00
3,400.0	9.87	189.99	3,363.2	-433.7	-76.4	30.4	0.00	0.00	0.00
3,500.0	9.87	189.99	3,461.7	-450.6	-79.3	31.6	0.00	0.00	0.00
3,600.0	9.87	189.99	3,560.2	-467.5	-82.3	32.7	0.00	0.00	0.00
3,700.0	9.87	189.99	3,658.8	-484.3	-85.3	33.9	0.00	0.00	0.00
3,800.0	9.87	189.99	3,757.3	-501.2	-88.3	35.1	0.00	0.00	0.00
3,900.0	9.87	189.99	3,855.8	-518.1	-91.2	36.3	0.00	0.00	0.00
4,000.0	9.87	189.99	3,954.3	-535.0	-94.2	37.5	0.00	0.00	0.00
4,100.0	9.87	189.99	4,052.8	-551.9	-97.2	38.6	0.00	0.00	0.00
4,200.0	9.87	189.99	4,151.4	-568.7	-100.2	39.8	0.00	0.00	0.00
4,300.0	9.87	189.99	4,249.9	-585.6	-103.1	41.0	0.00	0.00	0.00
4,400.0	9.87	189.99	4,348.4	-602.5	-106.1	42.2	0.00	0.00	0.00
4,500.0	9.87	189.99	4,446.9	-619.4	-109.1	43.4	0.00	0.00	0.00
4,600.0	9.87	189.99	4,545.4	-636.3	-112.1	44.6	0.00	0.00	0.00
4,700.0	9.87	189.99	4,644.0	-653.2	-115.0	45.7	0.00	0.00	0.00
4,800.0	9.87	189.99	4,742.5	-670.0	-118.0	46.9	0.00	0.00	0.00
4,900.0	9.87	189.99	4,841.0	-686.9	-121.0	48.1	0.00	0.00	0.00
5,000.0	9.87	189.99	4,939.5	-703.8	-123.9	49.3	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Journey 11 B2MP Fee #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3027.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3027.0usft (Original Well Elev)
Site:	Journey 11 B2MP Fee #1H	North Reference:	Grid
Well:	Sec 11, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' FEL, Sec 11		
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	9.87	189.99	5,038.0	-720.7	-126.9	50.5	0.00	0.00	0.00
5,200.0	9.87	189.99	5,136.6	-737.6	-129.9	51.7	0.00	0.00	0.00
5,300.0	9.87	189.99	5,235.1	-754.5	-132.9	52.8	0.00	0.00	0.00
5,400.0	9.87	189.99	5,333.6	-771.3	-135.8	54.0	0.00	0.00	0.00
5,500.0	9.87	189.99	5,432.1	-788.2	-138.8	55.2	0.00	0.00	0.00
5,600.0	9.87	189.99	5,530.6	-805.1	-141.8	56.4	0.00	0.00	0.00
5,700.0	9.87	189.99	5,629.2	-822.0	-144.8	57.6	0.00	0.00	0.00
5,800.0	9.87	189.99	5,727.7	-838.9	-147.7	58.8	0.00	0.00	0.00
5,900.0	9.87	189.99	5,826.2	-855.7	-150.7	59.9	0.00	0.00	0.00
6,000.0	9.87	189.99	5,924.7	-872.6	-153.7	61.1	0.00	0.00	0.00
6,100.0	9.87	189.99	6,023.2	-889.5	-156.6	62.3	0.00	0.00	0.00
6,200.0	9.87	189.99	6,121.8	-906.4	-159.6	63.5	0.00	0.00	0.00
6,300.0	9.87	189.99	6,220.3	-923.3	-162.6	64.7	0.00	0.00	0.00
6,400.0	9.87	189.99	6,318.8	-940.2	-165.6	65.8	0.00	0.00	0.00
6,500.0	9.87	189.99	6,417.3	-957.0	-168.5	67.0	0.00	0.00	0.00
6,600.0	9.87	189.99	6,515.8	-973.9	-171.5	68.2	0.00	0.00	0.00
6,700.0	9.87	189.99	6,614.4	-990.8	-174.5	69.4	0.00	0.00	0.00
6,800.0	9.87	189.99	6,712.9	-1,007.7	-177.5	70.6	0.00	0.00	0.00
6,900.0	9.87	189.99	6,811.4	-1,024.6	-180.4	71.8	0.00	0.00	0.00
7,000.0	9.87	189.99	6,909.9	-1,041.5	-183.4	72.9	0.00	0.00	0.00
7,100.0	9.87	189.99	7,008.4	-1,058.3	-186.4	74.1	0.00	0.00	0.00
7,200.0	9.87	189.99	7,106.9	-1,075.2	-189.4	75.3	0.00	0.00	0.00
7,277.1	9.87	189.99	7,182.9	-1,088.2	-191.6	76.2	0.00	0.00	0.00
7,300.0	9.41	189.99	7,205.5	-1,092.0	-192.3	76.5	2.00	-2.00	0.00
7,400.0	7.41	189.99	7,304.4	-1,106.4	-194.8	77.5	2.00	-2.00	0.00
7,500.0	5.41	189.99	7,403.8	-1,117.4	-196.8	78.3	2.00	-2.00	0.00
7,600.0	3.41	189.99	7,503.5	-1,125.0	-198.1	78.8	2.00	-2.00	0.00
7,700.0	1.41	189.99	7,603.4	-1,129.1	-198.8	79.1	2.00	-2.00	0.00
7,770.6	0.00	0.00	7,674.0	-1,130.0	-199.0	79.1	2.00	-2.00	0.00
KOP: 500' FSL & 50' FWL (11)									
7,800.0	2.94	91.35	7,703.4	-1,130.0	-198.2	79.9	10.00	10.00	0.00
7,900.0	12.93	91.35	7,802.3	-1,130.3	-184.5	93.3	10.00	10.00	0.00
8,000.0	22.93	91.35	7,897.3	-1,131.1	-153.7	123.3	10.00	10.00	0.00
8,009.4	23.87	91.35	7,905.9	-1,131.2	-150.0	127.0	10.00	10.00	0.00
FTP: 500' FSL & 100' FWL (11)									
8,100.0	32.93	91.35	7,985.5	-1,132.2	-107.0	169.0	10.00	10.00	0.00
8,200.0	42.92	91.35	8,064.3	-1,133.6	-45.6	228.9	10.00	10.00	0.00
8,300.0	52.92	91.35	8,131.2	-1,135.4	28.5	301.3	10.00	10.00	0.00
8,400.0	62.92	91.35	8,184.3	-1,137.4	113.1	383.8	10.00	10.00	0.00
8,500.0	72.92	91.35	8,221.8	-1,139.6	205.6	474.2	10.00	10.00	0.00
8,600.0	82.91	91.35	8,242.8	-1,141.9	303.3	569.5	10.00	10.00	0.00
8,658.7	88.78	91.35	8,247.0	-1,143.2	361.8	626.6	9.99	9.99	0.00
LP: 500' FSL & 612' FWL (11)									
8,700.0	88.78	91.35	8,247.9	-1,144.2	403.1	666.9	0.00	0.00	0.00
8,800.0	88.78	91.35	8,250.0	-1,146.6	503.0	764.5	0.00	0.00	0.00
8,900.0	88.78	91.35	8,252.1	-1,148.9	603.0	862.0	0.00	0.00	0.00
9,000.0	88.78	91.35	8,254.3	-1,151.3	702.9	959.6	0.00	0.00	0.00
9,100.0	88.78	91.35	8,256.4	-1,153.7	802.9	1,057.2	0.00	0.00	0.00
9,200.0	88.78	91.35	8,258.5	-1,156.0	902.8	1,154.7	0.00	0.00	0.00
9,300.0	88.78	91.35	8,260.7	-1,158.4	1,002.8	1,252.3	0.00	0.00	0.00
9,400.0	88.78	91.35	8,262.8	-1,160.7	1,102.7	1,349.9	0.00	0.00	0.00
9,500.0	88.78	91.35	8,264.9	-1,163.1	1,202.6	1,447.5	0.00	0.00	0.00
9,600.0	88.78	91.35	8,267.1	-1,165.5	1,302.6	1,545.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Journey 11 B2MP Fee #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3027.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3027.0usft (Original Well Elev)
Site:	Journey 11 B2MP Fee #1H	North Reference:	Grid
Well:	Sec 11, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' FEL, Sec 11		
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)
9,700.0	88.78	91.35	8,269.2	-1,167.8	1,402.5	1,642.6	0.00	0.00	0.00
9,800.0	88.78	91.35	8,271.3	-1,170.2	1,502.5	1,740.2	0.00	0.00	0.00
9,900.0	88.78	91.35	8,273.5	-1,172.5	1,602.4	1,837.8	0.00	0.00	0.00
10,000.0	88.78	91.35	8,275.6	-1,174.9	1,702.4	1,935.3	0.00	0.00	0.00
10,100.0	88.78	91.35	8,277.7	-1,177.3	1,802.3	2,032.9	0.00	0.00	0.00
10,200.0	88.78	91.35	8,279.9	-1,179.6	1,902.3	2,130.5	0.00	0.00	0.00
10,300.0	88.78	91.35	8,282.0	-1,182.0	2,002.2	2,228.1	0.00	0.00	0.00
10,400.0	88.78	91.35	8,284.1	-1,184.4	2,102.2	2,325.6	0.00	0.00	0.00
10,500.0	88.78	91.35	8,286.2	-1,186.7	2,202.1	2,423.2	0.00	0.00	0.00
10,600.0	88.78	91.35	8,288.4	-1,189.1	2,302.1	2,520.8	0.00	0.00	0.00
10,700.0	88.78	91.35	8,290.5	-1,191.4	2,402.0	2,618.3	0.00	0.00	0.00
10,800.0	88.78	91.35	8,292.6	-1,193.8	2,502.0	2,715.9	0.00	0.00	0.00
10,900.0	88.78	91.35	8,294.8	-1,196.2	2,601.9	2,813.5	0.00	0.00	0.00
11,000.0	88.78	91.35	8,296.9	-1,198.5	2,701.9	2,911.1	0.00	0.00	0.00
11,100.0	88.78	91.35	8,299.0	-1,200.9	2,801.8	3,008.6	0.00	0.00	0.00
11,200.0	88.78	91.35	8,301.2	-1,203.2	2,901.8	3,106.2	0.00	0.00	0.00
11,300.0	88.78	91.35	8,303.3	-1,205.6	3,001.7	3,203.8	0.00	0.00	0.00
11,400.0	88.78	91.35	8,305.4	-1,208.0	3,101.7	3,301.4	0.00	0.00	0.00
11,500.0	88.78	91.35	8,307.6	-1,210.3	3,201.6	3,398.9	0.00	0.00	0.00
11,600.0	88.78	91.35	8,309.7	-1,212.7	3,301.6	3,496.5	0.00	0.00	0.00
11,700.0	88.78	91.35	8,311.8	-1,215.0	3,401.5	3,594.1	0.00	0.00	0.00
11,800.0	88.78	91.35	8,314.0	-1,217.4	3,501.5	3,691.7	0.00	0.00	0.00
11,900.0	88.78	91.35	8,316.1	-1,219.8	3,601.4	3,789.2	0.00	0.00	0.00
12,000.0	88.78	91.35	8,318.2	-1,222.1	3,701.4	3,886.8	0.00	0.00	0.00
12,100.0	88.78	91.35	8,320.4	-1,224.5	3,801.3	3,984.4	0.00	0.00	0.00
12,200.0	88.78	91.35	8,322.5	-1,226.8	3,901.3	4,082.0	0.00	0.00	0.00
12,300.0	88.78	91.35	8,324.6	-1,229.2	4,001.2	4,179.5	0.00	0.00	0.00
12,400.0	88.78	91.35	8,326.7	-1,231.6	4,101.2	4,277.1	0.00	0.00	0.00
12,500.0	88.78	91.35	8,328.9	-1,233.9	4,201.1	4,374.7	0.00	0.00	0.00
12,600.0	88.78	91.35	8,331.0	-1,236.3	4,301.1	4,472.2	0.00	0.00	0.00
12,700.0	88.78	91.35	8,333.1	-1,238.6	4,401.0	4,569.8	0.00	0.00	0.00
12,800.0	88.78	91.35	8,335.3	-1,241.0	4,501.0	4,667.4	0.00	0.00	0.00
12,900.0	88.78	91.35	8,337.4	-1,243.4	4,600.9	4,765.0	0.00	0.00	0.00
13,000.0	88.78	91.35	8,339.5	-1,245.7	4,700.9	4,862.5	0.00	0.00	0.00
13,100.0	88.78	91.35	8,341.7	-1,248.1	4,800.8	4,960.1	0.00	0.00	0.00
13,200.0	88.78	91.35	8,343.8	-1,250.5	4,900.8	5,057.7	0.00	0.00	0.00
13,300.0	88.78	91.35	8,345.9	-1,252.8	5,000.7	5,155.3	0.00	0.00	0.00
13,350.3	88.78	91.35	8,347.0	-1,254.0	5,051.0	5,204.3	0.00	0.00	0.00
BHL: 500' FL & 100' FEL (11)									

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Journey 11 B2MP Fee #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3027.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3027.0usft (Original Well Elev)
Site:	Journey 11 B2MP Fee #1H	North Reference:	Grid
Well:	Sec 11, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' FEL, Sec 11		
Design:	Design #1		

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: 1635' FSL & 250' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	447,464.00	623,958.00	32.2298723	-104.0661370
KOP: 500' FSL & 50' FW - plan hits target center - Point	0.00	0.00	7,674.0	-1,130.0	-199.0	446,334.00	623,759.00	32.2267675	-104.0667896
FTP: 500' FSL & 100' F - plan hits target center - Point	0.00	0.00	7,905.9	-1,131.2	-150.0	446,332.84	623,808.00	32.2267639	-104.0666311
LP: 500' FSL & 612' FW - plan hits target center - Point	0.00	0.00	8,247.0	-1,143.2	361.8	446,320.75	624,319.80	32.2267272	-104.0649761
BHL: 500' FL & 100' FEL - plan hits target center - Point	0.00	0.00	8,347.0	-1,254.0	5,051.0	446,210.00	629,009.00	32.2263897	-104.0498128