

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 284161

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 30-015-47305
4. Property Code 328898	5. Property Name WATERBOY 27 26 W0DA FEE	6. Well No. 001H

7. Surface Location

UL - Lot D	Section 27	Township 22S	Range 27E	Lot Idn D	Feet From 270	N/S Line N	Feet From 250	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot A	Section 26	Township 22S	Range 27E	Lot Idn A	Feet From 500	N/S Line N	Feet From 330	E/W Line E	County Eddy
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9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3113
16. Multiple N	17. Proposed Depth 19117	18. Formation Wolfcamp	19. Contractor	20. Spud Date 8/20/2020
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	54.5	650	500	0
Int1	12.25	9.625	36	2025	440	0
Prod	8.75	7	26	9091	820	1825
Liner1	6.125	4.5	13.5	19117	420	8501

Casing/Cement Program: Additional Comments

MOC proposed to drill & test the Wolfcamp formation. H2S rule 118 does not apply because MOC has researched the area & no high concentrations were found. Will have on location & working all H2S safety equipment before Yates formation for safety & insurance purposes. Will stimulate as needed for production.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	2500	Schaffer
Double Ram	5000	5000	Schaffer
Annular	5000	2500	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: 7/21/2020

Phone: 903-561-2900

Approved By: Raymond Podany

Title: Geologist

Approved Date: 7/24/2020

Expiration Date: 7/24/2022

Conditions of Approval Attached

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

Form C-102

August 1, 2011

Permit 284161

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-47305	2. Pool Code 98220	3. Pool Name PURPLE SAGE;WOLFCAMP (GAS)
4. Property Code 328898	5. Property Name WATERBOY 27 26 W0DA FEE	6. Well No. 001H
7. OGRID No. 14744	8. Operator Name MEWBORNE OIL CO	9. Elevation 3113

10. Surface Location

UL - Lot D	Section 27	Township 22S	Range 27E	Lot Idn D	Feet From 270	N/S Line N	Feet From 250	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	26	22S	27E	A	500	N	330	E	Eddy
12. Dedicated Acres 640.00			13. Joint or Infill		14. Consolidation Code			15. Order No.	

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

	OPERATOR CERTIFICATION <i>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(s) 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> E-Signed By: Monty Whetstone Title: Vice President Operations Date: 7/21/2020
	SURVEYOR CERTIFICATION <i>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.</i> Surveyed By: Robert Howett Date of Survey: 11/1/2017 Certificate Number: 19680

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GAS CAPTURE PLAN

Date: 7/24/2020

☒ 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
WATERBOY 27 26 W0DA FEE #001H	30-015-47305	D-27-22S-27E	0270N 0250W	10	None	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 SENDERO CARLSBAD NGL, LLC and will be connected to SENDERO CARLSBAD NGL, 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 SENDERO CARLSBAD NGL, 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 SENDERO CARLSBAD NGL, LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at SENDERO CARLSBAD NGL, LLC Processing Plant located in Sec. 31, Twn. 23S, Rng. 28E, 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 SENDERO CARLSBAD NGL, 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

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Form APD Comments

Permit 284161

PERMIT COMMENTS

Operator Name and Address: MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241		API Number: 30-015-47305
		Well: WATERBOY 27 26 W0DA FEE #001H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 284161

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241		API Number: 30-015-47305
		Well: WATERBOY 27 26 W0DA FEE #001H
OCD Reviewer	Condition	
ksimmons	Cement is required to circulate on both surface and intermediate1 strings of casing	
rpodany	Will require a directional survey with the C-104	
rpodany	Summit C102 survey Plat.	

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

Waterboy 27/26 W0DA Fee #1H

Sec 27, T22S, R27E

SHL: 270' FNL & 250' FWL, Sec 27

BHL: 500' FNL & 330' FEL, Sec 26

Plan: Design #1

Standard Planning Report

20 July, 2020

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Waterboy 27/26 W0DA Fee #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3141.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3141.0usft (Original Well Elev)
Site:	Waterboy 27/26 W0DA Fee #1H	North Reference:	Grid
Well:	Sec 27, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FNL & 330' FEL, Sec 26		
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	Waterboy 27/26 W0DA Fee #1H					
Site Position:		Northing:	498,397.00 usft	Latitude:	32.3700762	
From:	Map	Easting:	587,070.00 usft	Longitude:	-104.1852055	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.08

Well	Sec 27, T22S, R27E					
Well Position	+N/-S	0.0 usft	Northing:	498,397.00 usft	Latitude:	32.3700762
	+E/-W	0.0 usft	Easting:	587,070.00 usft	Longitude:	-104.1852055
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,141.0 usft	Ground Level:	3,113.0 usft

Wellbore	BHL: 500' FNL & 330' FEL, Sec 26				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.44	60.13	48,260

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	90.52

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	
650.0	0.00	0.00	650.0	0.0	0.0	0.00	0.00	0.00	0.00	
815.2	2.48	225.49	815.2	-2.5	-2.5	1.50	1.50	0.00	225.49	
8,335.9	2.48	225.49	8,328.8	-230.5	-234.5	0.00	0.00	0.00	0.00	
8,501.1	0.00	0.00	8,494.0	-233.0	-237.0	1.50	-1.50	0.00	180.00	KOP: 500' FNL & 10' I
9,239.7	88.69	89.21	8,971.0	-226.6	229.2	12.01	12.01	0.00	89.21	
19,117.0	88.69	89.21	9,196.0	-91.0	10,103.0	0.00	0.00	0.00	0.00	BHL: 500' FNL & 330'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Waterboy 27/26 W0DA Fee #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3141.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3141.0usft (Original Well Elev)
Site:	Waterboy 27/26 W0DA Fee #1H	North Reference:	Grid
Well:	Sec 27, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FNL & 330' FEL, Sec 26		
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: 270' FNL & 250' FWL (Sec 27)									
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
650.0	0.00	0.00	650.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.75	225.49	700.0	-0.2	-0.2	-0.2	1.50	1.50	0.00
800.0	2.25	225.49	800.0	-2.1	-2.1	-2.1	1.50	1.50	0.00
815.2	2.48	225.49	815.2	-2.5	-2.5	-2.5	1.50	1.50	0.00
900.0	2.48	225.49	899.9	-5.1	-5.2	-5.1	0.00	0.00	0.00
1,000.0	2.48	225.49	999.8	-8.1	-8.2	-8.2	0.00	0.00	0.00
1,100.0	2.48	225.49	1,099.7	-11.1	-11.3	-11.2	0.00	0.00	0.00
1,200.0	2.48	225.49	1,199.6	-14.2	-14.4	-14.3	0.00	0.00	0.00
1,300.0	2.48	225.49	1,299.5	-17.2	-17.5	-17.3	0.00	0.00	0.00
1,400.0	2.48	225.49	1,399.4	-20.2	-20.6	-20.4	0.00	0.00	0.00
1,500.0	2.48	225.49	1,499.3	-23.3	-23.7	-23.5	0.00	0.00	0.00
1,600.0	2.48	225.49	1,599.2	-26.3	-26.7	-26.5	0.00	0.00	0.00
1,700.0	2.48	225.49	1,699.1	-29.3	-29.8	-29.6	0.00	0.00	0.00
1,800.0	2.48	225.49	1,799.0	-32.4	-32.9	-32.6	0.00	0.00	0.00
1,900.0	2.48	225.49	1,898.9	-35.4	-36.0	-35.7	0.00	0.00	0.00
2,000.0	2.48	225.49	1,998.8	-38.4	-39.1	-38.7	0.00	0.00	0.00
2,100.0	2.48	225.49	2,098.7	-41.5	-42.2	-41.8	0.00	0.00	0.00
2,200.0	2.48	225.49	2,198.7	-44.5	-45.2	-44.8	0.00	0.00	0.00
2,300.0	2.48	225.49	2,298.6	-47.5	-48.3	-47.9	0.00	0.00	0.00
2,400.0	2.48	225.49	2,398.5	-50.5	-51.4	-51.0	0.00	0.00	0.00
2,500.0	2.48	225.49	2,498.4	-53.6	-54.5	-54.0	0.00	0.00	0.00
2,600.0	2.48	225.49	2,598.3	-56.6	-57.6	-57.1	0.00	0.00	0.00
2,700.0	2.48	225.49	2,698.2	-59.6	-60.7	-60.1	0.00	0.00	0.00
2,800.0	2.48	225.49	2,798.1	-62.7	-63.7	-63.2	0.00	0.00	0.00
2,900.0	2.48	225.49	2,898.0	-65.7	-66.8	-66.2	0.00	0.00	0.00
3,000.0	2.48	225.49	2,997.9	-68.7	-69.9	-69.3	0.00	0.00	0.00
3,100.0	2.48	225.49	3,097.8	-71.8	-73.0	-72.4	0.00	0.00	0.00
3,200.0	2.48	225.49	3,197.7	-74.8	-76.1	-75.4	0.00	0.00	0.00
3,300.0	2.48	225.49	3,297.6	-77.8	-79.2	-78.5	0.00	0.00	0.00
3,400.0	2.48	225.49	3,397.5	-80.9	-82.3	-81.5	0.00	0.00	0.00
3,500.0	2.48	225.49	3,497.4	-83.9	-85.3	-84.6	0.00	0.00	0.00
3,600.0	2.48	225.49	3,597.3	-86.9	-88.4	-87.6	0.00	0.00	0.00
3,700.0	2.48	225.49	3,697.3	-90.0	-91.5	-90.7	0.00	0.00	0.00
3,800.0	2.48	225.49	3,797.2	-93.0	-94.6	-93.7	0.00	0.00	0.00
3,900.0	2.48	225.49	3,897.1	-96.0	-97.7	-96.8	0.00	0.00	0.00
4,000.0	2.48	225.49	3,997.0	-99.1	-100.8	-99.9	0.00	0.00	0.00
4,100.0	2.48	225.49	4,096.9	-102.1	-103.8	-102.9	0.00	0.00	0.00
4,200.0	2.48	225.49	4,196.8	-105.1	-106.9	-106.0	0.00	0.00	0.00
4,300.0	2.48	225.49	4,296.7	-108.1	-110.0	-109.0	0.00	0.00	0.00
4,400.0	2.48	225.49	4,396.6	-111.2	-113.1	-112.1	0.00	0.00	0.00
4,500.0	2.48	225.49	4,496.5	-114.2	-116.2	-115.1	0.00	0.00	0.00
4,600.0	2.48	225.49	4,596.4	-117.2	-119.3	-118.2	0.00	0.00	0.00
4,700.0	2.48	225.49	4,696.3	-120.3	-122.3	-121.2	0.00	0.00	0.00
4,800.0	2.48	225.49	4,796.2	-123.3	-125.4	-124.3	0.00	0.00	0.00
4,900.0	2.48	225.49	4,896.1	-126.3	-128.5	-127.4	0.00	0.00	0.00
5,000.0	2.48	225.49	4,996.0	-129.4	-131.6	-130.4	0.00	0.00	0.00

Planning Report

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Well:	Sec 27, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FNL & 330' FEL, Sec 26		
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	2.48	225.49	5,095.9	-132.4	-134.7	-133.5	0.00	0.00	0.00
5,200.0	2.48	225.49	5,195.8	-135.4	-137.8	-136.5	0.00	0.00	0.00
5,300.0	2.48	225.49	5,295.8	-138.5	-140.8	-139.6	0.00	0.00	0.00
5,400.0	2.48	225.49	5,395.7	-141.5	-143.9	-142.6	0.00	0.00	0.00
5,500.0	2.48	225.49	5,495.6	-144.5	-147.0	-145.7	0.00	0.00	0.00
5,600.0	2.48	225.49	5,595.5	-147.6	-150.1	-148.8	0.00	0.00	0.00
5,700.0	2.48	225.49	5,695.4	-150.6	-153.2	-151.8	0.00	0.00	0.00
5,800.0	2.48	225.49	5,795.3	-153.6	-156.3	-154.9	0.00	0.00	0.00
5,900.0	2.48	225.49	5,895.2	-156.7	-159.3	-157.9	0.00	0.00	0.00
6,000.0	2.48	225.49	5,995.1	-159.7	-162.4	-161.0	0.00	0.00	0.00
6,100.0	2.48	225.49	6,095.0	-162.7	-165.5	-164.0	0.00	0.00	0.00
6,200.0	2.48	225.49	6,194.9	-165.7	-168.6	-167.1	0.00	0.00	0.00
6,300.0	2.48	225.49	6,294.8	-168.8	-171.7	-170.1	0.00	0.00	0.00
6,400.0	2.48	225.49	6,394.7	-171.8	-174.8	-173.2	0.00	0.00	0.00
6,500.0	2.48	225.49	6,494.6	-174.8	-177.8	-176.3	0.00	0.00	0.00
6,600.0	2.48	225.49	6,594.5	-177.9	-180.9	-179.3	0.00	0.00	0.00
6,700.0	2.48	225.49	6,694.4	-180.9	-184.0	-182.4	0.00	0.00	0.00
6,800.0	2.48	225.49	6,794.4	-183.9	-187.1	-185.4	0.00	0.00	0.00
6,900.0	2.48	225.49	6,894.3	-187.0	-190.2	-188.5	0.00	0.00	0.00
7,000.0	2.48	225.49	6,994.2	-190.0	-193.3	-191.5	0.00	0.00	0.00
7,100.0	2.48	225.49	7,094.1	-193.0	-196.3	-194.6	0.00	0.00	0.00
7,200.0	2.48	225.49	7,194.0	-196.1	-199.4	-197.7	0.00	0.00	0.00
7,300.0	2.48	225.49	7,293.9	-199.1	-202.5	-200.7	0.00	0.00	0.00
7,400.0	2.48	225.49	7,393.8	-202.1	-205.6	-203.8	0.00	0.00	0.00
7,500.0	2.48	225.49	7,493.7	-205.2	-208.7	-206.8	0.00	0.00	0.00
7,600.0	2.48	225.49	7,593.6	-208.2	-211.8	-209.9	0.00	0.00	0.00
7,700.0	2.48	225.49	7,693.5	-211.2	-214.8	-212.9	0.00	0.00	0.00
7,800.0	2.48	225.49	7,793.4	-214.2	-217.9	-216.0	0.00	0.00	0.00
7,900.0	2.48	225.49	7,893.3	-217.3	-221.0	-219.0	0.00	0.00	0.00
8,000.0	2.48	225.49	7,993.2	-220.3	-224.1	-222.1	0.00	0.00	0.00
8,100.0	2.48	225.49	8,093.1	-223.3	-227.2	-225.2	0.00	0.00	0.00
8,200.0	2.48	225.49	8,193.0	-226.4	-230.3	-228.2	0.00	0.00	0.00
8,300.0	2.48	225.49	8,292.9	-229.4	-233.3	-231.3	0.00	0.00	0.00
8,335.9	2.48	225.49	8,328.8	-230.5	-234.5	-232.4	0.00	0.00	0.00
8,400.0	1.52	225.49	8,392.9	-232.1	-236.0	-233.9	1.50	-1.50	0.00
8,500.0	0.02	225.49	8,492.9	-233.0	-237.0	-234.9	1.50	-1.50	0.00
8,501.1	0.00	0.00	8,494.0	-233.0	-237.0	-234.9	1.50	-1.50	0.00
KOP: 500' FNL & 10' FWL (Sec 27)									
8,600.0	11.87	89.21	8,592.2	-232.9	-226.8	-224.7	12.01	12.01	0.00
8,700.0	23.88	89.21	8,687.2	-232.4	-196.2	-194.1	12.01	12.01	0.00
8,800.0	35.89	89.21	8,773.7	-231.8	-146.4	-144.3	12.01	12.01	0.00
8,900.0	47.90	89.21	8,848.0	-230.8	-79.8	-77.7	12.01	12.01	0.00
9,000.0	59.91	89.21	8,906.8	-229.7	0.9	2.9	12.01	12.01	0.00
9,090.5	70.78	89.21	8,944.5	-228.6	83.0	85.1	12.01	12.01	0.00
FTP: 500' FNL & 330' FWL (Sec 27)									
9,100.0	71.91	89.21	8,947.6	-228.5	92.0	94.0	12.01	12.01	0.00
9,200.0	83.92	89.21	8,968.4	-227.1	189.6	191.6	12.01	12.01	0.00
9,239.7	88.69	89.21	8,971.0	-226.6	229.2	231.2	12.01	12.01	0.00
LP: 500' FNL & 479' FWL (Sec 27)									
9,300.0	88.69	89.21	8,972.4	-225.8	289.5	291.5	0.00	0.00	0.00
9,400.0	88.69	89.21	8,974.7	-224.4	389.4	391.4	0.00	0.00	0.00
9,500.0	88.69	89.21	8,976.9	-223.0	489.4	491.4	0.00	0.00	0.00
9,600.0	88.69	89.21	8,979.2	-221.7	589.4	591.3	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Waterboy 27/26 W0DA Fee #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3141.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3141.0usft (Original Well Elev)
Site:	Waterboy 27/26 W0DA Fee #1H	North Reference:	Grid
Well:	Sec 27, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FNL & 330' FEL, Sec 26		
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	88.69	89.21	8,981.5	-220.3	689.3	691.3	0.00	0.00	0.00
9,800.0	88.69	89.21	8,983.8	-218.9	789.3	791.2	0.00	0.00	0.00
9,900.0	88.69	89.21	8,986.0	-217.5	889.2	891.2	0.00	0.00	0.00
10,000.0	88.69	89.21	8,988.3	-216.2	989.2	991.1	0.00	0.00	0.00
10,100.0	88.69	89.21	8,990.6	-214.8	1,089.2	1,091.1	0.00	0.00	0.00
10,200.0	88.69	89.21	8,992.9	-213.4	1,189.1	1,191.0	0.00	0.00	0.00
10,300.0	88.69	89.21	8,995.2	-212.0	1,289.1	1,291.0	0.00	0.00	0.00
10,400.0	88.69	89.21	8,997.4	-210.7	1,389.1	1,390.9	0.00	0.00	0.00
10,500.0	88.69	89.21	8,999.7	-209.3	1,489.0	1,490.9	0.00	0.00	0.00
10,600.0	88.69	89.21	9,002.0	-207.9	1,589.0	1,590.8	0.00	0.00	0.00
10,700.0	88.69	89.21	9,004.3	-206.6	1,689.0	1,690.8	0.00	0.00	0.00
10,800.0	88.69	89.21	9,006.5	-205.2	1,788.9	1,790.7	0.00	0.00	0.00
10,900.0	88.69	89.21	9,008.8	-203.8	1,888.9	1,890.7	0.00	0.00	0.00
11,000.0	88.69	89.21	9,011.1	-202.4	1,988.9	1,990.6	0.00	0.00	0.00
11,100.0	88.69	89.21	9,013.4	-201.1	2,088.8	2,090.5	0.00	0.00	0.00
11,200.0	88.69	89.21	9,015.7	-199.7	2,188.8	2,190.5	0.00	0.00	0.00
11,300.0	88.69	89.21	9,017.9	-198.3	2,288.8	2,290.4	0.00	0.00	0.00
11,400.0	88.69	89.21	9,020.2	-196.9	2,388.7	2,390.4	0.00	0.00	0.00
11,500.0	88.69	89.21	9,022.5	-195.6	2,488.7	2,490.3	0.00	0.00	0.00
11,600.0	88.69	89.21	9,024.8	-194.2	2,588.6	2,590.3	0.00	0.00	0.00
11,700.0	88.69	89.21	9,027.0	-192.8	2,688.6	2,690.2	0.00	0.00	0.00
11,800.0	88.69	89.21	9,029.3	-191.4	2,788.6	2,790.2	0.00	0.00	0.00
11,900.0	88.69	89.21	9,031.6	-190.1	2,888.5	2,890.1	0.00	0.00	0.00
12,000.0	88.69	89.21	9,033.9	-188.7	2,988.5	2,990.1	0.00	0.00	0.00
12,100.0	88.69	89.21	9,036.2	-187.3	3,088.5	3,090.0	0.00	0.00	0.00
12,200.0	88.69	89.21	9,038.4	-186.0	3,188.4	3,190.0	0.00	0.00	0.00
12,300.0	88.69	89.21	9,040.7	-184.6	3,288.4	3,289.9	0.00	0.00	0.00
12,400.0	88.69	89.21	9,043.0	-183.2	3,388.4	3,389.9	0.00	0.00	0.00
12,500.0	88.69	89.21	9,045.3	-181.8	3,488.3	3,489.8	0.00	0.00	0.00
12,600.0	88.69	89.21	9,047.5	-180.5	3,588.3	3,589.8	0.00	0.00	0.00
12,700.0	88.69	89.21	9,049.8	-179.1	3,688.3	3,689.7	0.00	0.00	0.00
12,800.0	88.69	89.21	9,052.1	-177.7	3,788.2	3,789.7	0.00	0.00	0.00
12,900.0	88.69	89.21	9,054.4	-176.3	3,888.2	3,889.6	0.00	0.00	0.00
13,000.0	88.69	89.21	9,056.7	-175.0	3,988.1	3,989.6	0.00	0.00	0.00
13,100.0	88.69	89.21	9,058.9	-173.6	4,088.1	4,089.5	0.00	0.00	0.00
13,200.0	88.69	89.21	9,061.2	-172.2	4,188.1	4,189.5	0.00	0.00	0.00
13,300.0	88.69	89.21	9,063.5	-170.9	4,288.0	4,289.4	0.00	0.00	0.00
13,400.0	88.69	89.21	9,065.8	-169.5	4,388.0	4,389.4	0.00	0.00	0.00
13,500.0	88.69	89.21	9,068.0	-168.1	4,488.0	4,489.3	0.00	0.00	0.00
13,600.0	88.69	89.21	9,070.3	-166.7	4,587.9	4,589.3	0.00	0.00	0.00
13,700.0	88.69	89.21	9,072.6	-165.4	4,687.9	4,689.2	0.00	0.00	0.00
13,800.0	88.69	89.21	9,074.9	-164.0	4,787.9	4,789.1	0.00	0.00	0.00
13,900.0	88.69	89.21	9,077.2	-162.6	4,887.8	4,889.1	0.00	0.00	0.00
14,000.0	88.69	89.21	9,079.4	-161.2	4,987.8	4,989.0	0.00	0.00	0.00
14,100.0	88.69	89.21	9,081.7	-159.9	5,087.8	5,089.0	0.00	0.00	0.00
14,200.0	88.69	89.21	9,084.0	-158.5	5,187.7	5,188.9	0.00	0.00	0.00
14,300.0	88.69	89.21	9,086.3	-157.1	5,287.7	5,288.9	0.00	0.00	0.00
14,400.0	88.69	89.21	9,088.5	-155.8	5,387.7	5,388.8	0.00	0.00	0.00
14,500.0	88.69	89.21	9,090.8	-154.4	5,487.6	5,488.8	0.00	0.00	0.00
14,600.0	88.69	89.21	9,093.1	-153.0	5,587.6	5,588.7	0.00	0.00	0.00
14,700.0	88.69	89.21	9,095.4	-151.6	5,687.5	5,688.7	0.00	0.00	0.00
14,800.0	88.69	89.21	9,097.7	-150.3	5,787.5	5,788.6	0.00	0.00	0.00
14,900.0	88.69	89.21	9,099.9	-148.9	5,887.5	5,888.6	0.00	0.00	0.00
15,000.0	88.69	89.21	9,102.2	-147.5	5,987.4	5,988.5	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Waterboy 27/26 W0DA Fee #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3141.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3141.0usft (Original Well Elev)
Site:	Waterboy 27/26 W0DA Fee #1H	North Reference:	Grid
Well:	Sec 27, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FNL & 330' FEL, Sec 26		
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)	
15,100.0	88.69	89.21	9,104.5	-146.1	6,087.4	6,088.5	0.00	0.00	0.00	
15,200.0	88.69	89.21	9,106.8	-144.8	6,187.4	6,188.4	0.00	0.00	0.00	
15,300.0	88.69	89.21	9,109.0	-143.4	6,287.3	6,288.4	0.00	0.00	0.00	
15,400.0	88.69	89.21	9,111.3	-142.0	6,387.3	6,388.3	0.00	0.00	0.00	
15,500.0	88.69	89.21	9,113.6	-140.7	6,487.3	6,488.3	0.00	0.00	0.00	
15,600.0	88.69	89.21	9,115.9	-139.3	6,587.2	6,588.2	0.00	0.00	0.00	
15,700.0	88.69	89.21	9,118.2	-137.9	6,687.2	6,688.2	0.00	0.00	0.00	
15,800.0	88.69	89.21	9,120.4	-136.5	6,787.2	6,788.1	0.00	0.00	0.00	
15,900.0	88.69	89.21	9,122.7	-135.2	6,887.1	6,888.1	0.00	0.00	0.00	
16,000.0	88.69	89.21	9,125.0	-133.8	6,987.1	6,988.0	0.00	0.00	0.00	
16,100.0	88.69	89.21	9,127.3	-132.4	7,087.1	7,088.0	0.00	0.00	0.00	
16,200.0	88.69	89.21	9,129.6	-131.0	7,187.0	7,187.9	0.00	0.00	0.00	
16,300.0	88.69	89.21	9,131.8	-129.7	7,287.0	7,287.9	0.00	0.00	0.00	
16,400.0	88.69	89.21	9,134.1	-128.3	7,386.9	7,387.8	0.00	0.00	0.00	
16,500.0	88.69	89.21	9,136.4	-126.9	7,486.9	7,487.7	0.00	0.00	0.00	
16,600.0	88.69	89.21	9,138.7	-125.6	7,586.9	7,587.7	0.00	0.00	0.00	
16,700.0	88.69	89.21	9,140.9	-124.2	7,686.8	7,687.6	0.00	0.00	0.00	
16,800.0	88.69	89.21	9,143.2	-122.8	7,786.8	7,787.6	0.00	0.00	0.00	
16,900.0	88.69	89.21	9,145.5	-121.4	7,886.8	7,887.5	0.00	0.00	0.00	
17,000.0	88.69	89.21	9,147.8	-120.1	7,986.7	7,987.5	0.00	0.00	0.00	
17,100.0	88.69	89.21	9,150.1	-118.7	8,086.7	8,087.4	0.00	0.00	0.00	
17,200.0	88.69	89.21	9,152.3	-117.3	8,186.7	8,187.4	0.00	0.00	0.00	
17,300.0	88.69	89.21	9,154.6	-115.9	8,286.6	8,287.3	0.00	0.00	0.00	
17,400.0	88.69	89.21	9,156.9	-114.6	8,386.6	8,387.3	0.00	0.00	0.00	
17,500.0	88.69	89.21	9,159.2	-113.2	8,486.6	8,487.2	0.00	0.00	0.00	
17,600.0	88.69	89.21	9,161.4	-111.8	8,586.5	8,587.2	0.00	0.00	0.00	
17,700.0	88.69	89.21	9,163.7	-110.5	8,686.5	8,687.1	0.00	0.00	0.00	
17,800.0	88.69	89.21	9,166.0	-109.1	8,786.5	8,787.1	0.00	0.00	0.00	
17,900.0	88.69	89.21	9,168.3	-107.7	8,886.4	8,887.0	0.00	0.00	0.00	
18,000.0	88.69	89.21	9,170.6	-106.3	8,986.4	8,987.0	0.00	0.00	0.00	
18,100.0	88.69	89.21	9,172.8	-105.0	9,086.3	9,086.9	0.00	0.00	0.00	
18,200.0	88.69	89.21	9,175.1	-103.6	9,186.3	9,186.9	0.00	0.00	0.00	
18,300.0	88.69	89.21	9,177.4	-102.2	9,286.3	9,286.8	0.00	0.00	0.00	
18,400.0	88.69	89.21	9,179.7	-100.8	9,386.2	9,386.8	0.00	0.00	0.00	
18,500.0	88.69	89.21	9,181.9	-99.5	9,486.2	9,486.7	0.00	0.00	0.00	
18,600.0	88.69	89.21	9,184.2	-98.1	9,586.2	9,586.7	0.00	0.00	0.00	
18,700.0	88.69	89.21	9,186.5	-96.7	9,686.1	9,686.6	0.00	0.00	0.00	
18,800.0	88.69	89.21	9,188.8	-95.4	9,786.1	9,786.6	0.00	0.00	0.00	
18,900.0	88.69	89.21	9,191.1	-94.0	9,886.1	9,886.5	0.00	0.00	0.00	
19,000.0	88.69	89.21	9,193.3	-92.6	9,986.0	9,986.5	0.00	0.00	0.00	
19,100.0	88.69	89.21	9,195.6	-91.2	10,086.0	10,086.4	0.00	0.00	0.00	
19,117.0	88.69	89.21	9,196.0	-91.0	10,103.0	10,103.4	0.00	0.00	0.00	
BHL: 500' FNL & 330' FEL (Sec 26)										

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Waterboy 27/26 W0DA Fee #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3141.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3141.0usft (Original Well Elev)
Site:	Waterboy 27/26 W0DA Fee #1H	North Reference:	Grid
Well:	Sec 27, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FNL & 330' FEL, Sec 26		
Design:	Design #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
SHL: 270' FNL & 250' FV - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	498,397.00	587,070.00	32.3700762	-104.1852055
KOP: 500' FNL & 10' FW - plan hits target center - Point	0.00	0.00	8,494.0	-233.0	-237.0	498,164.00	586,833.00	32.3694366	-104.1859741
FTP: 500' FNL & 330' FV - plan hits target center - Point	0.00	0.00	8,944.5	-228.6	83.0	498,168.40	587,153.00	32.3694474	-104.1849376
LP: 500' FNL & 479' FW - plan hits target center - Point	0.00	0.00	8,971.0	-226.6	229.2	498,170.40	587,299.20	32.3694524	-104.1844641
BHL: 500' FNL & 330' FE - plan hits target center - Point	0.00	0.00	9,196.0	-91.0	10,103.0	498,306.00	597,173.00	32.3697833	-104.1524824