

**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 286831

**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
4. Property Code 329698		3. API Number 30-015-47467
5. Property Name Layla 35 W00B Fee		6. Well No. 001H

**7. Surface Location**

UL - Lot P	Section 35	Township 23S	Range 28E	Lot Idn P	Feet From 170	N/S Line S	Feet From 1230	E/W Line E	County Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot B	Section 35	Township 23S	Range 28E	Lot Idn B	Feet From 330	N/S Line N	Feet From 2200	E/W Line E	County Eddy
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**9. Pool Information**

98220	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 2995
16. Multiple N	17. Proposed Depth 14508	18. Formation Wolfcamp	19. Contractor	20. Spud Date 10/22/2020
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	48	500	410	0
Int1	12.25	9.625	36	2575	550	0
Prod	8.75	7	26	9800	840	2375
Liner1	6.125	4.5	13.5	14508	210	9259

**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:		OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Monty Whetstone	Approved By: Scott Cox		
Title: Vice President Operations	Title: Petroleum Engineer Supervisor		
Email Address: prodmgr@mewbourne.com	Approved Date: 9/24/2020	Expiration Date: 9/24/2022	
Date: 9/22/2020	Phone: 903-561-2900	Conditions of Approval Attached	

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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**

<sup>1</sup> API Number		<sup>2</sup> Pool Code 98220		<sup>3</sup> Pool Name PURPLE SAGE; WOLFCAMP GAS POOL	
<sup>4</sup> Property Code		<sup>5</sup> Property Name LAYLA 35 WOOB FEE			<sup>6</sup> Well Number 1H
<sup>7</sup> OGRID NO. 14744		<sup>8</sup> Operator Name MEWBOURNE OIL COMPANY			<sup>9</sup> Elevation 2995'

<sup>10</sup> Surface Location

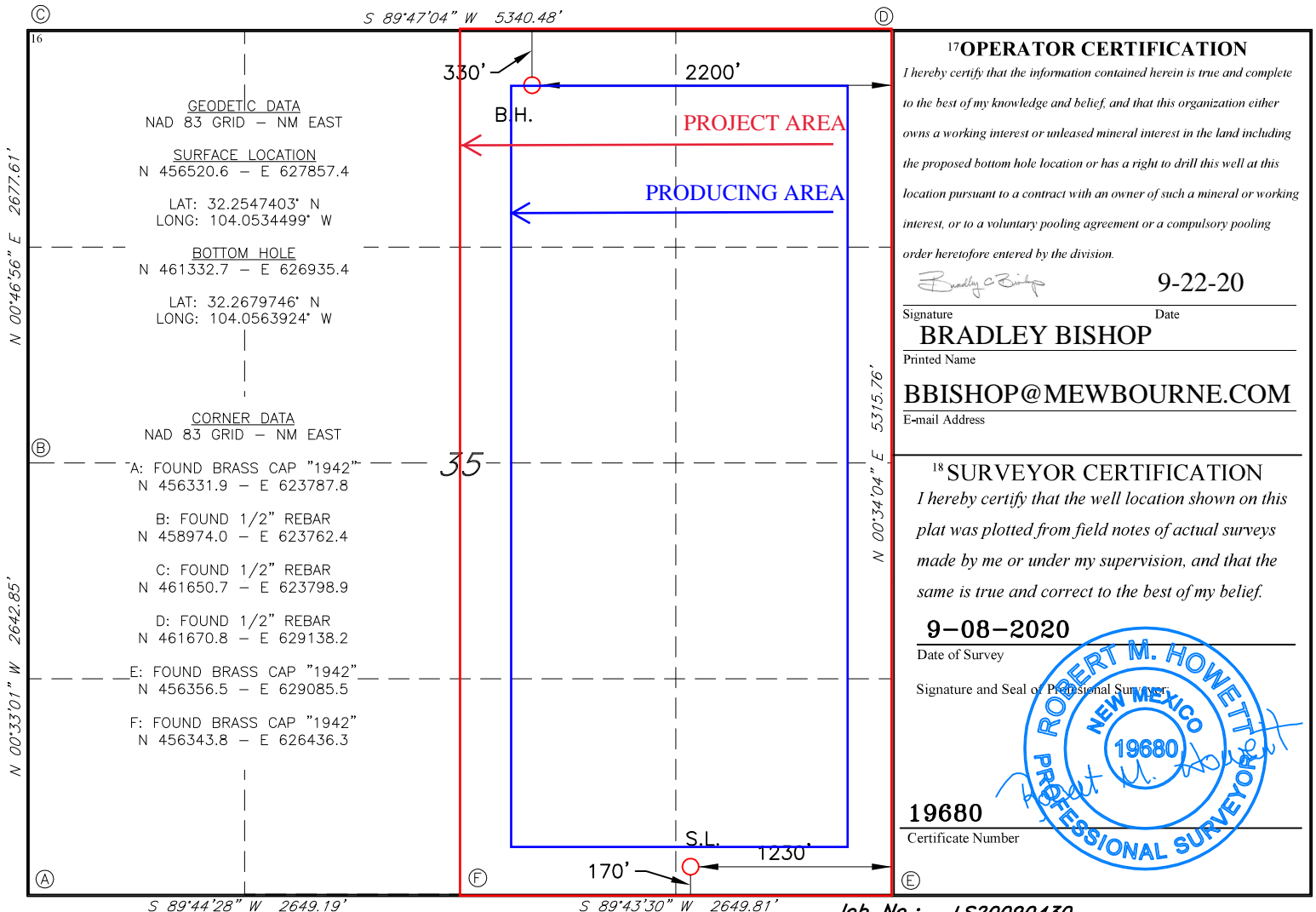
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
P	35	23S	28E		170	SOUTH	1230	EAST	EDDY

<sup>11</sup> 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
B	35	23S	28E		330	NORTH	2200	EAST	EDDY

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

**GAS CAPTURE PLAN**

Date: 9/24/2020

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
Layla 35 W00B Fee #001H	30-015-47467	P-35-23S-28E	0170S 1230E	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 CRESTWOOD NEW MEXICO PIPELINE LLC and will be connected to CRESTWOOD NEW MEXICO PIPELINE LLC Low Pressure gathering system located in Eddy County, New Mexico. It will require 3400' of pipeline to connect the facility to Low Pressure gathering system. MEWBOURNE OIL CO provides (periodically) to CRESTWOOD NEW MEXICO PIPELINE 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 CRESTWOOD NEW MEXICO PIPELINE LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at CRESTWOOD NEW MEXICO PIPELINE LLC Processing Plant located in Sec. 29, Twn. 24S, 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 CRESTWOOD NEW MEXICO PIPELINE 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 286831

**PERMIT COMMENTS**

Operator Name and Address: MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241	API Number: 30-015-47467
	Well: Layla 35 W00B Fee #001H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 286831

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241	API Number: 30-015-47467
	Well: Layla 35 W00B Fee #001H

OCD Reviewer	Condition
kpickford	Will require a directional survey with the 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	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Must notify other operators in spacing unit
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.
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	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
ksimmons	Will require a directional survey with the C-104
ksimmons	Operator shall notify in writing other operators in same quarter/quarter section before commencing both drilling and completing operations.

# **Mewbourne Oil Company**

**Eddy County, New Mexico NAD 83**

**Layla 35 W00B Fee #1H**

**Sec 35, T23S, R28E**

**SHL: 170' FSL & 1230' FEL**

**BHL: 330' FNL & 2200' FEL**

**Plan: Design #1**

## **Standard Planning Report**

**22 September, 2020**

Planning Report

<b>Database:</b>	Hobbs	<b>Local Co-ordinate Reference:</b>	Site Layla 35 W00B Fee #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	WELL @ 3023.0usft (Original Well Elev)
<b>Project:</b>	Eddy County, New Mexico NAD 83	<b>MD Reference:</b>	WELL @ 3023.0usft (Original Well Elev)
<b>Site:</b>	Layla 35 W00B Fee #1H	<b>North Reference:</b>	Grid
<b>Well:</b>	Sec 35, T23S, R28E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	BHL: 330' FNL & 2200' FEL		
<b>Design:</b>	Design #1		

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

<b>Site</b>	Layla 35 W00B Fee #1H				
<b>Site Position:</b>	<b>Northing:</b>	456,521.00 usft	<b>Latitude:</b>	32.2547415	
<b>From:</b> Map	<b>Easting:</b>	627,857.00 usft	<b>Longitude:</b>	-104.0534513	
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.15 °

<b>Well</b>	Sec 35, T23S, R28E					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	456,521.00 usft	<b>Latitude:</b>	32.2547415
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	627,857.00 usft	<b>Longitude:</b>	-104.0534513
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	3,023.0 usft	<b>Ground Level:</b>	2,995.0 usft

<b>Wellbore</b>	BHL: 330' FNL & 2200' FEL				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	12/31/2014	7.37	60.05	48,206

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	349.15

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	

Planning Report

<b>Database:</b>	Hobbs	<b>Local Co-ordinate Reference:</b>	Site Layla 35 W00B Fee #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	WELL @ 3023.0usft (Original Well Elev)
<b>Project:</b>	Eddy County, New Mexico NAD 83	<b>MD Reference:</b>	WELL @ 3023.0usft (Original Well Elev)
<b>Site:</b>	Layla 35 W00B Fee #1H	<b>North Reference:</b>	Grid
<b>Well:</b>	Sec 35, T23S, R28E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	BHL: 330' FNL & 2200' FEL		
<b>Design:</b>	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
<b>SHL: 170' FSL &amp; 1230' FEL</b>									
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	1.50	260.36	600.0	-0.2	-1.3	0.0	1.50	1.50	0.00
700.0	3.00	260.36	699.9	-0.9	-5.2	0.1	1.50	1.50	0.00
800.0	4.50	260.36	799.7	-2.0	-11.6	0.2	1.50	1.50	0.00
900.0	6.00	260.36	899.3	-3.5	-20.6	0.4	1.50	1.50	0.00
954.1	6.81	260.36	953.0	-4.5	-26.6	0.6	1.50	1.50	0.00
1,000.0	6.81	260.36	998.6	-5.4	-31.9	0.7	0.00	0.00	0.00
1,100.0	6.81	260.36	1,097.9	-7.4	-43.6	0.9	0.00	0.00	0.00
1,200.0	6.81	260.36	1,197.2	-9.4	-55.3	1.2	0.00	0.00	0.00
1,300.0	6.81	260.36	1,296.5	-11.4	-67.0	1.4	0.00	0.00	0.00
1,400.0	6.81	260.36	1,395.8	-13.4	-78.7	1.7	0.00	0.00	0.00
1,500.0	6.81	260.36	1,495.1	-15.4	-90.4	1.9	0.00	0.00	0.00
1,600.0	6.81	260.36	1,594.4	-17.3	-102.1	2.2	0.00	0.00	0.00
1,700.0	6.81	260.36	1,693.7	-19.3	-113.8	2.4	0.00	0.00	0.00
1,800.0	6.81	260.36	1,793.0	-21.3	-125.5	2.7	0.00	0.00	0.00
1,900.0	6.81	260.36	1,892.3	-23.3	-137.2	2.9	0.00	0.00	0.00
2,000.0	6.81	260.36	1,991.6	-25.3	-148.9	3.2	0.00	0.00	0.00
2,100.0	6.81	260.36	2,090.8	-27.3	-160.6	3.4	0.00	0.00	0.00
2,200.0	6.81	260.36	2,190.1	-29.3	-172.2	3.7	0.00	0.00	0.00
2,300.0	6.81	260.36	2,289.4	-31.3	-183.9	3.9	0.00	0.00	0.00
2,400.0	6.81	260.36	2,388.7	-33.2	-195.6	4.2	0.00	0.00	0.00
2,500.0	6.81	260.36	2,488.0	-35.2	-207.3	4.4	0.00	0.00	0.00
2,600.0	6.81	260.36	2,587.3	-37.2	-219.0	4.7	0.00	0.00	0.00
2,700.0	6.81	260.36	2,686.6	-39.2	-230.7	4.9	0.00	0.00	0.00
2,800.0	6.81	260.36	2,785.9	-41.2	-242.4	5.2	0.00	0.00	0.00
2,900.0	6.81	260.36	2,885.2	-43.2	-254.1	5.4	0.00	0.00	0.00
3,000.0	6.81	260.36	2,984.5	-45.2	-265.8	5.7	0.00	0.00	0.00
3,100.0	6.81	260.36	3,083.8	-47.2	-277.5	5.9	0.00	0.00	0.00
3,200.0	6.81	260.36	3,183.1	-49.1	-289.2	6.2	0.00	0.00	0.00
3,300.0	6.81	260.36	3,282.4	-51.1	-300.9	6.4	0.00	0.00	0.00
3,400.0	6.81	260.36	3,381.7	-53.1	-312.5	6.7	0.00	0.00	0.00
3,500.0	6.81	260.36	3,481.0	-55.1	-324.2	6.9	0.00	0.00	0.00
3,600.0	6.81	260.36	3,580.3	-57.1	-335.9	7.2	0.00	0.00	0.00
3,700.0	6.81	260.36	3,679.6	-59.1	-347.6	7.4	0.00	0.00	0.00
3,800.0	6.81	260.36	3,778.8	-61.1	-359.3	7.6	0.00	0.00	0.00
3,900.0	6.81	260.36	3,878.1	-63.0	-371.0	7.9	0.00	0.00	0.00
4,000.0	6.81	260.36	3,977.4	-65.0	-382.7	8.1	0.00	0.00	0.00
4,100.0	6.81	260.36	4,076.7	-67.0	-394.4	8.4	0.00	0.00	0.00
4,200.0	6.81	260.36	4,176.0	-69.0	-406.1	8.6	0.00	0.00	0.00
4,300.0	6.81	260.36	4,275.3	-71.0	-417.8	8.9	0.00	0.00	0.00
4,400.0	6.81	260.36	4,374.6	-73.0	-429.5	9.1	0.00	0.00	0.00
4,500.0	6.81	260.36	4,473.9	-75.0	-441.2	9.4	0.00	0.00	0.00
4,600.0	6.81	260.36	4,573.2	-77.0	-452.8	9.6	0.00	0.00	0.00
4,700.0	6.81	260.36	4,672.5	-78.9	-464.5	9.9	0.00	0.00	0.00
4,800.0	6.81	260.36	4,771.8	-80.9	-476.2	10.1	0.00	0.00	0.00
4,900.0	6.81	260.36	4,871.1	-82.9	-487.9	10.4	0.00	0.00	0.00
5,000.0	6.81	260.36	4,970.4	-84.9	-499.6	10.6	0.00	0.00	0.00
5,100.0	6.81	260.36	5,069.7	-86.9	-511.3	10.9	0.00	0.00	0.00



Planning Report

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<b>Project:</b>	Eddy County, New Mexico NAD 83	<b>MD Reference:</b>	WELL @ 3023.0usft (Original Well Elev)
<b>Site:</b>	Layla 35 W00B Fee #1H	<b>North Reference:</b>	Grid
<b>Well:</b>	Sec 35, T23S, R28E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	BHL: 330' FNL & 2200' FEL		
<b>Design:</b>	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)	
5,200.0	6.81	260.36	5,169.0	-88.9	-523.0	11.1	0.00	0.00	0.00	
5,300.0	6.81	260.36	5,268.3	-90.9	-534.7	11.4	0.00	0.00	0.00	
5,400.0	6.81	260.36	5,367.6	-92.8	-546.4	11.6	0.00	0.00	0.00	
5,500.0	6.81	260.36	5,466.9	-94.8	-558.1	11.9	0.00	0.00	0.00	
5,600.0	6.81	260.36	5,566.1	-96.8	-569.8	12.1	0.00	0.00	0.00	
5,700.0	6.81	260.36	5,665.4	-98.8	-581.5	12.4	0.00	0.00	0.00	
5,800.0	6.81	260.36	5,764.7	-100.8	-593.1	12.6	0.00	0.00	0.00	
5,900.0	6.81	260.36	5,864.0	-102.8	-604.8	12.9	0.00	0.00	0.00	
6,000.0	6.81	260.36	5,963.3	-104.8	-616.5	13.1	0.00	0.00	0.00	
6,100.0	6.81	260.36	6,062.6	-106.8	-628.2	13.4	0.00	0.00	0.00	
6,200.0	6.81	260.36	6,161.9	-108.7	-639.9	13.6	0.00	0.00	0.00	
6,300.0	6.81	260.36	6,261.2	-110.7	-651.6	13.9	0.00	0.00	0.00	
6,400.0	6.81	260.36	6,360.5	-112.7	-663.3	14.1	0.00	0.00	0.00	
6,500.0	6.81	260.36	6,459.8	-114.7	-675.0	14.4	0.00	0.00	0.00	
6,600.0	6.81	260.36	6,559.1	-116.7	-686.7	14.6	0.00	0.00	0.00	
6,700.0	6.81	260.36	6,658.4	-118.7	-698.4	14.9	0.00	0.00	0.00	
6,800.0	6.81	260.36	6,757.7	-120.7	-710.1	15.1	0.00	0.00	0.00	
6,900.0	6.81	260.36	6,857.0	-122.6	-721.8	15.4	0.00	0.00	0.00	
7,000.0	6.81	260.36	6,956.3	-124.6	-733.5	15.6	0.00	0.00	0.00	
7,100.0	6.81	260.36	7,055.6	-126.6	-745.1	15.9	0.00	0.00	0.00	
7,200.0	6.81	260.36	7,154.9	-128.6	-756.8	16.1	0.00	0.00	0.00	
7,300.0	6.81	260.36	7,254.1	-130.6	-768.5	16.4	0.00	0.00	0.00	
7,400.0	6.81	260.36	7,353.4	-132.6	-780.2	16.6	0.00	0.00	0.00	
7,500.0	6.81	260.36	7,452.7	-134.6	-791.9	16.9	0.00	0.00	0.00	
7,600.0	6.81	260.36	7,552.0	-136.6	-803.6	17.1	0.00	0.00	0.00	
7,700.0	6.81	260.36	7,651.3	-138.5	-815.3	17.4	0.00	0.00	0.00	
7,800.0	6.81	260.36	7,750.6	-140.5	-827.0	17.6	0.00	0.00	0.00	
7,900.0	6.81	260.36	7,849.9	-142.5	-838.7	17.9	0.00	0.00	0.00	
8,000.0	6.81	260.36	7,949.2	-144.5	-850.4	18.1	0.00	0.00	0.00	
8,100.0	6.81	260.36	8,048.5	-146.5	-862.1	18.4	0.00	0.00	0.00	
8,200.0	6.81	260.36	8,147.8	-148.5	-873.8	18.6	0.00	0.00	0.00	
8,300.0	6.81	260.36	8,247.1	-150.5	-885.4	18.9	0.00	0.00	0.00	
8,400.0	6.81	260.36	8,346.4	-152.4	-897.1	19.1	0.00	0.00	0.00	
8,500.0	6.81	260.36	8,445.7	-154.4	-908.8	19.3	0.00	0.00	0.00	
8,600.0	6.81	260.36	8,545.0	-156.4	-920.5	19.6	0.00	0.00	0.00	
8,700.0	6.81	260.36	8,644.3	-158.4	-932.2	19.8	0.00	0.00	0.00	
8,800.0	6.81	260.36	8,743.6	-160.4	-943.9	20.1	0.00	0.00	0.00	
8,804.5	6.81	260.36	8,748.0	-160.5	-944.4	20.1	0.00	0.00	0.00	
8,900.0	5.38	260.36	8,843.0	-162.2	-954.4	20.3	1.50	-1.50	0.00	
9,000.0	3.88	260.36	8,942.7	-163.5	-962.4	20.5	1.50	-1.50	0.00	
9,100.0	2.38	260.36	9,042.5	-164.4	-967.8	20.6	1.50	-1.50	0.00	
9,200.0	0.88	260.36	9,142.5	-164.9	-970.6	20.7	1.50	-1.50	0.00	
9,258.5	0.00	0.00	9,201.0	-165.0	-971.0	20.7	1.50	-1.50	0.00	
<b>KOP: 10' FSL &amp; 2200' FEL</b>										
9,300.0	4.98	0.56	9,242.4	-163.2	-971.0	22.4	12.01	12.01	0.00	
9,400.0	16.99	0.56	9,340.4	-144.2	-970.8	41.1	12.01	12.01	0.00	
9,500.0	29.00	0.56	9,432.3	-105.2	-970.4	79.3	12.01	12.01	0.00	
9,600.0	41.02	0.56	9,514.0	-47.9	-969.8	135.4	12.01	12.01	0.00	
9,700.0	53.03	0.56	9,582.1	25.1	-969.1	207.0	12.01	12.01	0.00	
9,800.0	65.04	0.56	9,633.4	110.7	-968.3	290.9	12.01	12.01	0.00	
9,847.8	70.78	0.56	9,651.4	155.0	-967.8	334.4	12.01	12.01	0.00	
<b>FTP: 330' FSL &amp; 2200' FEL</b>										
9,900.0	77.05	0.56	9,665.9	205.1	-967.4	383.5	12.01	12.01	0.00	
10,000.0	89.06	0.56	9,677.9	304.2	-966.4	480.6	12.01	12.01	0.00	

Planning Report

<b>Database:</b>	Hobbs	<b>Local Co-ordinate Reference:</b>	Site Layla 35 W00B Fee #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	WELL @ 3023.0usft (Original Well Elev)
<b>Project:</b>	Eddy County, New Mexico NAD 83	<b>MD Reference:</b>	WELL @ 3023.0usft (Original Well Elev)
<b>Site:</b>	Layla 35 W00B Fee #1H	<b>North Reference:</b>	Grid
<b>Well:</b>	Sec 35, T23S, R28E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	BHL: 330' FNL & 2200' FEL		
<b>Design:</b>	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)
10,007.8	90.00	0.56	9,678.0	312.0	-966.3	488.3	11.98	11.98	0.00
<b>LP: 482' FSL &amp; 2200' FEL</b>									
10,100.0	90.00	0.56	9,678.0	404.2	-965.4	578.6	0.00	0.00	0.00
10,200.0	90.00	0.56	9,678.0	504.2	-964.4	676.6	0.00	0.00	0.00
10,300.0	90.00	0.56	9,678.0	604.2	-963.4	774.7	0.00	0.00	0.00
10,400.0	90.00	0.56	9,678.0	704.1	-962.4	872.7	0.00	0.00	0.00
10,500.0	90.00	0.56	9,678.0	804.1	-961.5	970.7	0.00	0.00	0.00
10,600.0	90.00	0.56	9,678.0	904.1	-960.5	1,068.7	0.00	0.00	0.00
10,700.0	90.00	0.56	9,678.0	1,004.1	-959.5	1,166.8	0.00	0.00	0.00
10,800.0	90.00	0.56	9,678.0	1,104.1	-958.5	1,264.8	0.00	0.00	0.00
10,900.0	90.00	0.56	9,678.0	1,204.1	-957.5	1,362.8	0.00	0.00	0.00
11,000.0	90.00	0.56	9,678.0	1,304.1	-956.5	1,460.8	0.00	0.00	0.00
11,100.0	90.00	0.56	9,678.0	1,404.1	-955.6	1,558.8	0.00	0.00	0.00
11,200.0	90.00	0.56	9,678.0	1,504.1	-954.6	1,656.9	0.00	0.00	0.00
11,300.0	90.00	0.56	9,678.0	1,604.1	-953.6	1,754.9	0.00	0.00	0.00
11,400.0	90.00	0.56	9,678.0	1,704.1	-952.6	1,852.9	0.00	0.00	0.00
11,500.0	90.00	0.56	9,678.0	1,804.1	-951.6	1,950.9	0.00	0.00	0.00
11,600.0	90.00	0.56	9,678.0	1,904.1	-950.6	2,049.0	0.00	0.00	0.00
11,700.0	90.00	0.56	9,678.0	2,004.1	-949.6	2,147.0	0.00	0.00	0.00
11,800.0	90.00	0.56	9,678.0	2,104.1	-948.7	2,245.0	0.00	0.00	0.00
11,900.0	90.00	0.56	9,678.0	2,204.1	-947.7	2,343.0	0.00	0.00	0.00
12,000.0	90.00	0.56	9,678.0	2,304.1	-946.7	2,441.1	0.00	0.00	0.00
12,100.0	90.00	0.56	9,678.0	2,404.1	-945.7	2,539.1	0.00	0.00	0.00
12,200.0	90.00	0.56	9,678.0	2,504.1	-944.7	2,637.1	0.00	0.00	0.00
12,300.0	90.00	0.56	9,678.0	2,604.1	-943.7	2,735.1	0.00	0.00	0.00
12,400.0	90.00	0.56	9,678.0	2,704.1	-942.8	2,833.2	0.00	0.00	0.00
12,500.0	90.00	0.56	9,678.0	2,804.0	-941.8	2,931.2	0.00	0.00	0.00
12,600.0	90.00	0.56	9,678.0	2,904.0	-940.8	3,029.2	0.00	0.00	0.00
12,700.0	90.00	0.56	9,678.0	3,004.0	-939.8	3,127.2	0.00	0.00	0.00
12,800.0	90.00	0.56	9,678.0	3,104.0	-938.8	3,225.2	0.00	0.00	0.00
12,900.0	90.00	0.56	9,678.0	3,204.0	-937.8	3,323.3	0.00	0.00	0.00
13,000.0	90.00	0.56	9,678.0	3,304.0	-936.8	3,421.3	0.00	0.00	0.00
13,100.0	90.00	0.56	9,678.0	3,404.0	-935.9	3,519.3	0.00	0.00	0.00
13,200.0	90.00	0.56	9,678.0	3,504.0	-934.9	3,617.3	0.00	0.00	0.00
13,300.0	90.00	0.56	9,678.0	3,604.0	-933.9	3,715.4	0.00	0.00	0.00
13,400.0	90.00	0.56	9,678.0	3,704.0	-932.9	3,813.4	0.00	0.00	0.00
13,500.0	90.00	0.56	9,678.0	3,804.0	-931.9	3,911.4	0.00	0.00	0.00
13,600.0	90.00	0.56	9,678.0	3,904.0	-930.9	4,009.4	0.00	0.00	0.00
13,700.0	90.00	0.56	9,678.0	4,004.0	-930.0	4,107.5	0.00	0.00	0.00
13,800.0	90.00	0.56	9,678.0	4,104.0	-929.0	4,205.5	0.00	0.00	0.00
13,900.0	90.00	0.56	9,678.0	4,204.0	-928.0	4,303.5	0.00	0.00	0.00
14,000.0	90.00	0.56	9,678.0	4,304.0	-927.0	4,401.5	0.00	0.00	0.00
14,100.0	90.00	0.56	9,678.0	4,404.0	-926.0	4,499.5	0.00	0.00	0.00
14,200.0	90.00	0.56	9,678.0	4,504.0	-925.0	4,597.6	0.00	0.00	0.00
14,300.0	90.00	0.56	9,678.0	4,604.0	-924.0	4,695.6	0.00	0.00	0.00
14,400.0	90.00	0.56	9,678.0	4,704.0	-923.1	4,793.6	0.00	0.00	0.00
14,500.0	90.00	0.56	9,678.0	4,804.0	-922.1	4,891.6	0.00	0.00	0.00
14,508.0	90.00	0.56	9,678.0	4,812.0	-922.0	4,899.5	0.00	0.00	0.00
<b>BHL: 330' FNL &amp; 2200' FEL</b>									

Planning Report

<b>Database:</b>	Hobbs	<b>Local Co-ordinate Reference:</b>	Site Layla 35 W00B Fee #1H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	WELL @ 3023.0usft (Original Well Elev)
<b>Project:</b>	Eddy County, New Mexico NAD 83	<b>MD Reference:</b>	WELL @ 3023.0usft (Original Well Elev)
<b>Site:</b>	Layla 35 W00B Fee #1H	<b>North Reference:</b>	Grid
<b>Well:</b>	Sec 35, T23S, R28E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	BHL: 330' FNL & 2200' FEL		
<b>Design:</b>	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: 170' FSL & 1230' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	456,521.00	627,857.00	32.2547415	-104.0534513	
KOP: 10' FSL & 2200' FI - plan hits target center - Point	0.00	0.00	9,201.0	-165.0	-971.0	456,356.00	626,886.00	32.2542949	-104.0565937	
FTP: 330' FSL & 2200' F - plan hits target center - Point	0.00	0.00	9,651.4	155.0	-967.8	456,676.00	626,889.15	32.2551745	-104.0565809	
LP: 482' FSL & 2200' FE - plan hits target center - Point	0.00	0.00	9,678.0	312.0	-966.3	456,833.00	626,890.70	32.2556061	-104.0565746	
BHL: 330' FNL & 2200' F - plan hits target center - Point	0.00	0.00	9,678.0	4,812.0	-922.0	461,333.00	626,935.00	32.2679756	-104.0563937	

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