District I
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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 286835

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

1. Operator Name and Address	2. OGRID Number
MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	14744
	3. API Number 30-015-47466

4. Property Code	5. Property Name	6. Well No.
329698	Layla 35 W0OB Fee	002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	35	23S	28E	P	170	S	1200	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	35	23S	28E	A	330	N	1320	E	Eddy

9. Pool Information

98220	98220

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	GAS		Private	2995
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	14461	Wolfcamp		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	9700	830	2375
Liner1	6.125	4.5	13.5	14461	210	9213

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 equiptment 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.

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

1 API Number	2 Pool Code	3 Pool Name
	98220	PURPLE SAGE; WOLFCAMP GAS POOL

4 Property Code	5 Property Name	6 Well Number
	LAYLA 35 WOOB FEE	2H

7 OGRID NO.	8 Operator Name	9 Elevation
14744	MEWBOURNE OIL COMPANY	2995'

10 Surface Location

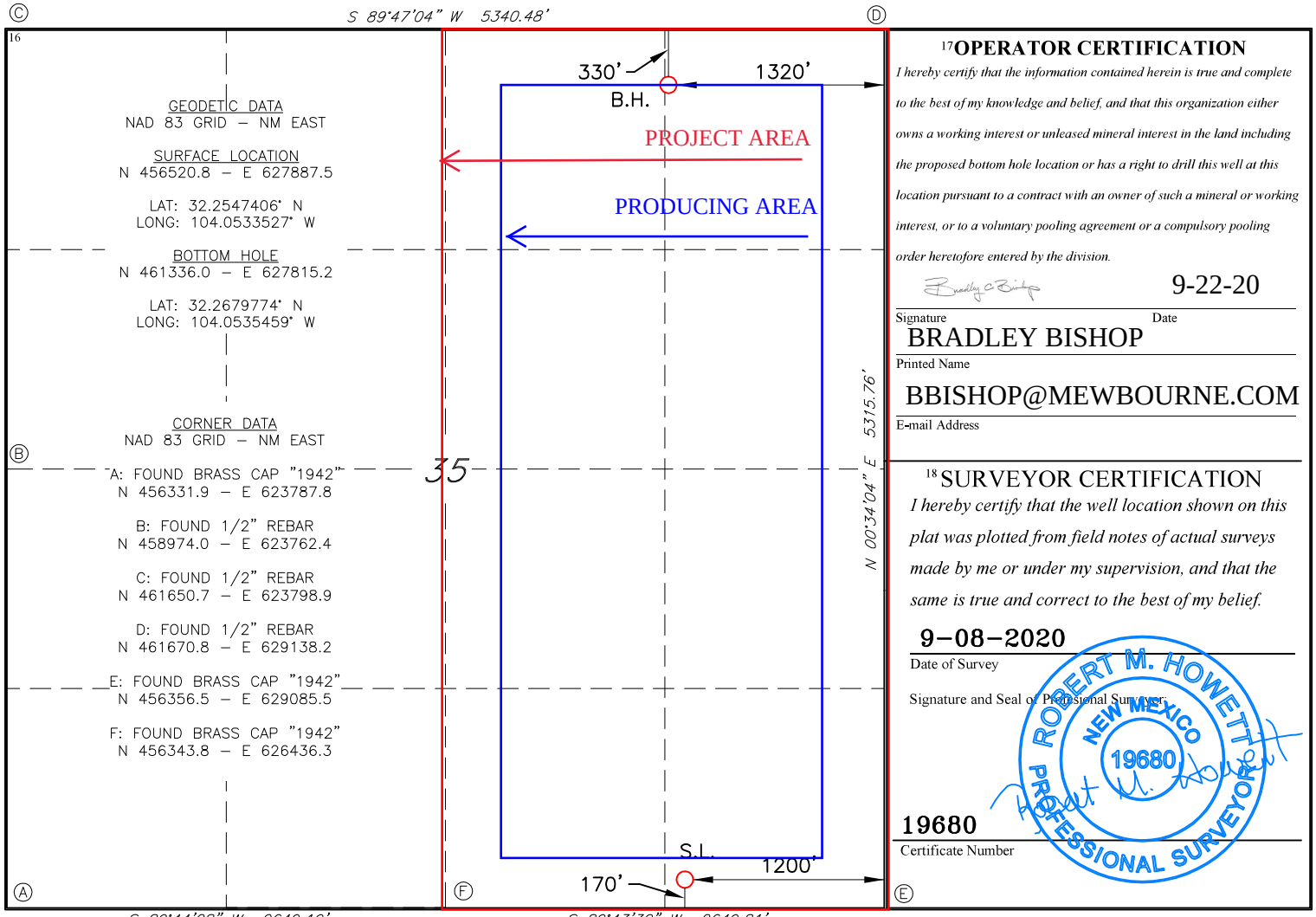
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
P	35	23S	28E		170	SOUTH	1200	EAST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	35	23S	28E		330	NORTH	1320	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			

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.



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Bradley A. Bishop 9-22-20

Signature Date

BRADLEY BISHOP
Printed Name

BBISHOP@MEWBOURNE.COM
E-mail Address

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.

9-08-2020
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR

19680
Certificate Number

Job No.: LS20090431

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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

GAS CAPTURE PLAN

Date: 9/24/2020

☒ Original
☐ Amended - Reason for Amendment:

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

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete 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 W0OB Fee #002H	30-015-47466	P-35-23S-28E	0170S 1200E	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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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 286835

PERMIT COMMENTS

Operator Name and Address:	API Number:
MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241	30-015-47466
	Well: Layla 35 W0OB Fee #002H

Created By	Comment	Comment Date

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Form APD Conditions

Permit 286835

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241	30-015-47466
	Well: Layla 35 W0OB Fee #002H

OCD Reviewer	Condition
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	Notice must be given to other operators in the 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	Will require a directional survey with the C-104
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 must notify in writing other operators in same quarter/quarter section before commencing both drilling and completing operations.

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

Mewbourne Oil Company

Eddy County, New Mexico NAD 83
Layla 35 W0OB Fee #2H
Sec 35, T23S, R28E
SHL: 170' FSL & 1200' FEL
BHL: 330' FNL & 1320' FEL

Plan: Design #1

Standard Planning Report

22 September, 2020

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Layla 35 W0OB Fee #2H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3023.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3023.0usft (Original Well Elev)
Site:	Layla 35 W0OB Fee #2H	**North Reference:**	Grid
Well:	Sec 35, T23S, R28E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1320' FEL		
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 Layla 35 W0OB Fee #2H

Site Position:		**Northing:**	456,521.00 usft	**Latitude:**	32.2547413
From:	Map	**Easting:**	627,888.00 usft	**Longitude:**	-104.0533510
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.15 °

Well Sec 35, T23S, R28E

Well Position	**+N/-S**	0.0 usft	**Northing:**	456,521.00 usft	**Latitude:**	32.2547413
	+E/-W	0.0 usft	**Easting:**	627,888.00 usft	**Longitude:**	-104.0533510
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	3,023.0 usft	**Ground Level:**	2,995.0 usft

Wellbore BHL: 330' FNL & 1320' FEL

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.37	60.05	48,206

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	359.13

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	

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Layla 35 W0OB Fee #2H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3023.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3023.0usft (Original Well Elev)
Site:	Layla 35 W0OB Fee #2H	**North Reference:**	Grid
Well:	Sec 35, T23S, R28E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1320' FEL		
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: 170' FSL & 1200' FEL									
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
589.1	1.34	217.33	589.1	-0.8	-0.6	-0.8	1.50	1.50	0.00
600.0	1.34	217.33	600.0	-1.0	-0.8	-1.0	0.00	0.00	0.00
700.0	1.34	217.33	700.0	-2.9	-2.2	-2.9	0.00	0.00	0.00
800.0	1.34	217.33	799.9	-4.7	-3.6	-4.7	0.00	0.00	0.00
900.0	1.34	217.33	899.9	-6.6	-5.0	-6.5	0.00	0.00	0.00
1,000.0	1.34	217.33	999.9	-8.4	-6.4	-8.4	0.00	0.00	0.00
1,100.0	1.34	217.33	1,099.9	-10.3	-7.9	-10.2	0.00	0.00	0.00
1,200.0	1.34	217.33	1,199.8	-12.2	-9.3	-12.0	0.00	0.00	0.00
1,300.0	1.34	217.33	1,299.8	-14.0	-10.7	-13.9	0.00	0.00	0.00
1,400.0	1.34	217.33	1,399.8	-15.9	-12.1	-15.7	0.00	0.00	0.00
1,500.0	1.34	217.33	1,499.7	-17.7	-13.5	-17.5	0.00	0.00	0.00
1,600.0	1.34	217.33	1,599.7	-19.6	-14.9	-19.4	0.00	0.00	0.00
1,700.0	1.34	217.33	1,699.7	-21.4	-16.3	-21.2	0.00	0.00	0.00
1,800.0	1.34	217.33	1,799.7	-23.3	-17.8	-23.0	0.00	0.00	0.00
1,900.0	1.34	217.33	1,899.6	-25.1	-19.2	-24.9	0.00	0.00	0.00
2,000.0	1.34	217.33	1,999.6	-27.0	-20.6	-26.7	0.00	0.00	0.00
2,100.0	1.34	217.33	2,099.6	-28.9	-22.0	-28.5	0.00	0.00	0.00
2,200.0	1.34	217.33	2,199.6	-30.7	-23.4	-30.4	0.00	0.00	0.00
2,300.0	1.34	217.33	2,299.5	-32.6	-24.8	-32.2	0.00	0.00	0.00
2,400.0	1.34	217.33	2,399.5	-34.4	-26.2	-34.0	0.00	0.00	0.00
2,500.0	1.34	217.33	2,499.5	-36.3	-27.7	-35.9	0.00	0.00	0.00
2,600.0	1.34	217.33	2,599.4	-38.1	-29.1	-37.7	0.00	0.00	0.00
2,700.0	1.34	217.33	2,699.4	-40.0	-30.5	-39.5	0.00	0.00	0.00
2,800.0	1.34	217.33	2,799.4	-41.8	-31.9	-41.4	0.00	0.00	0.00
2,900.0	1.34	217.33	2,899.4	-43.7	-33.3	-43.2	0.00	0.00	0.00
3,000.0	1.34	217.33	2,999.3	-45.6	-34.7	-45.0	0.00	0.00	0.00
3,100.0	1.34	217.33	3,099.3	-47.4	-36.1	-46.9	0.00	0.00	0.00
3,200.0	1.34	217.33	3,199.3	-49.3	-37.6	-48.7	0.00	0.00	0.00
3,300.0	1.34	217.33	3,299.3	-51.1	-39.0	-50.5	0.00	0.00	0.00
3,400.0	1.34	217.33	3,399.2	-53.0	-40.4	-52.4	0.00	0.00	0.00
3,500.0	1.34	217.33	3,499.2	-54.8	-41.8	-54.2	0.00	0.00	0.00
3,600.0	1.34	217.33	3,599.2	-56.7	-43.2	-56.0	0.00	0.00	0.00
3,700.0	1.34	217.33	3,699.1	-58.5	-44.6	-57.9	0.00	0.00	0.00
3,800.0	1.34	217.33	3,799.1	-60.4	-46.1	-59.7	0.00	0.00	0.00
3,900.0	1.34	217.33	3,899.1	-62.3	-47.5	-61.5	0.00	0.00	0.00
4,000.0	1.34	217.33	3,999.1	-64.1	-48.9	-63.4	0.00	0.00	0.00
4,100.0	1.34	217.33	4,099.0	-66.0	-50.3	-65.2	0.00	0.00	0.00
4,200.0	1.34	217.33	4,199.0	-67.8	-51.7	-67.0	0.00	0.00	0.00
4,300.0	1.34	217.33	4,299.0	-69.7	-53.1	-68.9	0.00	0.00	0.00
4,400.0	1.34	217.33	4,399.0	-71.5	-54.5	-70.7	0.00	0.00	0.00
4,500.0	1.34	217.33	4,498.9	-73.4	-56.0	-72.5	0.00	0.00	0.00
4,600.0	1.34	217.33	4,598.9	-75.2	-57.4	-74.4	0.00	0.00	0.00
4,700.0	1.34	217.33	4,698.9	-77.1	-58.8	-76.2	0.00	0.00	0.00
4,800.0	1.34	217.33	4,798.8	-78.9	-60.2	-78.0	0.00	0.00	0.00
4,900.0	1.34	217.33	4,898.8	-80.8	-61.6	-79.9	0.00	0.00	0.00
5,000.0	1.34	217.33	4,998.8	-82.7	-63.0	-81.7	0.00	0.00	0.00
5,100.0	1.34	217.33	5,098.8	-84.5	-64.4	-83.5	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Layla 35 W0OB Fee #2H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3023.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3023.0usft (Original Well Elev)
Site:	Layla 35 W0OB Fee #2H	**North Reference:**	Grid
Well:	Sec 35, T23S, R28E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1320' FEL		
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)
5,200.0	1.34	217.33	5,198.7	-86.4	-65.9	-85.4	0.00	0.00	0.00
5,300.0	1.34	217.33	5,298.7	-88.2	-67.3	-87.2	0.00	0.00	0.00
5,400.0	1.34	217.33	5,398.7	-90.1	-68.7	-89.0	0.00	0.00	0.00
5,500.0	1.34	217.33	5,498.7	-91.9	-70.1	-90.9	0.00	0.00	0.00
5,600.0	1.34	217.33	5,598.6	-93.8	-71.5	-92.7	0.00	0.00	0.00
5,700.0	1.34	217.33	5,698.6	-95.6	-72.9	-94.5	0.00	0.00	0.00
5,800.0	1.34	217.33	5,798.6	-97.5	-74.3	-96.4	0.00	0.00	0.00
5,900.0	1.34	217.33	5,898.5	-99.4	-75.8	-98.2	0.00	0.00	0.00
6,000.0	1.34	217.33	5,998.5	-101.2	-77.2	-100.0	0.00	0.00	0.00
6,100.0	1.34	217.33	6,098.5	-103.1	-78.6	-101.9	0.00	0.00	0.00
6,200.0	1.34	217.33	6,198.5	-104.9	-80.0	-103.7	0.00	0.00	0.00
6,300.0	1.34	217.33	6,298.4	-106.8	-81.4	-105.5	0.00	0.00	0.00
6,400.0	1.34	217.33	6,398.4	-108.6	-82.8	-107.4	0.00	0.00	0.00
6,500.0	1.34	217.33	6,498.4	-110.5	-84.2	-109.2	0.00	0.00	0.00
6,600.0	1.34	217.33	6,598.4	-112.3	-85.7	-111.0	0.00	0.00	0.00
6,700.0	1.34	217.33	6,698.3	-114.2	-87.1	-112.9	0.00	0.00	0.00
6,800.0	1.34	217.33	6,798.3	-116.1	-88.5	-114.7	0.00	0.00	0.00
6,900.0	1.34	217.33	6,898.3	-117.9	-89.9	-116.5	0.00	0.00	0.00
7,000.0	1.34	217.33	6,998.2	-119.8	-91.3	-118.4	0.00	0.00	0.00
7,100.0	1.34	217.33	7,098.2	-121.6	-92.7	-120.2	0.00	0.00	0.00
7,200.0	1.34	217.33	7,198.2	-123.5	-94.1	-122.0	0.00	0.00	0.00
7,300.0	1.34	217.33	7,298.2	-125.3	-95.6	-123.9	0.00	0.00	0.00
7,400.0	1.34	217.33	7,398.1	-127.2	-97.0	-125.7	0.00	0.00	0.00
7,500.0	1.34	217.33	7,498.1	-129.0	-98.4	-127.5	0.00	0.00	0.00
7,600.0	1.34	217.33	7,598.1	-130.9	-99.8	-129.4	0.00	0.00	0.00
7,700.0	1.34	217.33	7,698.1	-132.8	-101.2	-131.2	0.00	0.00	0.00
7,800.0	1.34	217.33	7,798.0	-134.6	-102.6	-133.0	0.00	0.00	0.00
7,900.0	1.34	217.33	7,898.0	-136.5	-104.1	-134.9	0.00	0.00	0.00
8,000.0	1.34	217.33	7,998.0	-138.3	-105.5	-136.7	0.00	0.00	0.00
8,100.0	1.34	217.33	8,097.9	-140.2	-106.9	-138.5	0.00	0.00	0.00
8,200.0	1.34	217.33	8,197.9	-142.0	-108.3	-140.4	0.00	0.00	0.00
8,300.0	1.34	217.33	8,297.9	-143.9	-109.7	-142.2	0.00	0.00	0.00
8,400.0	1.34	217.33	8,397.9	-145.7	-111.1	-144.0	0.00	0.00	0.00
8,500.0	1.34	217.33	8,497.8	-147.6	-112.5	-145.9	0.00	0.00	0.00
8,600.0	1.34	217.33	8,597.8	-149.4	-114.0	-147.7	0.00	0.00	0.00
8,700.0	1.34	217.33	8,697.8	-151.3	-115.4	-149.5	0.00	0.00	0.00
8,800.0	1.34	217.33	8,797.8	-153.2	-116.8	-151.4	0.00	0.00	0.00
8,900.0	1.34	217.33	8,897.7	-155.0	-118.2	-153.2	0.00	0.00	0.00
9,000.0	1.34	217.33	8,997.7	-156.9	-119.6	-155.0	0.00	0.00	0.00
9,100.0	1.34	217.33	9,097.7	-158.7	-121.0	-156.9	0.00	0.00	0.00
9,124.2	1.34	217.33	9,121.9	-159.2	-121.4	-157.3	0.00	0.00	0.00
9,200.0	0.20	217.33	9,197.7	-160.0	-122.0	-158.1	1.50	-1.50	0.00
9,213.3	0.00	0.00	9,211.0	-160.0	-122.0	-158.1	1.50	-1.50	0.00
KOP: 10' FSL & 1320' FEL									
9,300.0	10.41	0.56	9,297.2	-152.1	-121.9	-150.3	12.01	12.01	0.00
9,400.0	22.42	0.56	9,392.9	-123.9	-121.6	-122.1	12.01	12.01	0.00
9,500.0	34.43	0.56	9,480.7	-76.4	-121.2	-74.6	12.01	12.01	0.00
9,600.0	46.44	0.56	9,556.7	-11.7	-120.5	-9.9	12.01	12.01	0.00
9,700.0	58.46	0.56	9,617.5	67.4	-119.8	69.3	12.01	12.01	0.00
9,800.0	70.47	0.56	9,660.6	157.5	-118.9	159.3	12.01	12.01	0.00
9,802.6	70.78	0.56	9,661.4	160.0	-118.8	161.8	12.01	12.01	0.00
FTP: 330' FSL & 1320' FEL									
9,900.0	82.48	0.56	9,683.9	254.6	-117.9	256.3	12.01	12.01	0.00
9,962.6	90.00	0.56	9,688.0	317.0	-117.3	318.7	12.01	12.01	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Layla 35 W0OB Fee #2H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3023.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3023.0usft (Original Well Elev)
Site:	Layla 35 W0OB Fee #2H	**North Reference:**	Grid
Well:	Sec 35, T23S, R28E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1320' FEL		
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)
LP: 487' FSL & 1320' FEL									
10,000.0	90.00	0.56	9,688.0	354.4	-116.9	356.1	0.00	0.00	0.00
10,100.0	90.00	0.56	9,688.0	454.4	-115.9	456.1	0.00	0.00	0.00
10,200.0	90.00	0.56	9,688.0	554.4	-115.0	556.0	0.00	0.00	0.00
10,300.0	90.00	0.56	9,688.0	654.4	-114.0	656.0	0.00	0.00	0.00
10,400.0	90.00	0.56	9,688.0	754.3	-113.0	756.0	0.00	0.00	0.00
10,500.0	90.00	0.56	9,688.0	854.3	-112.0	855.9	0.00	0.00	0.00
10,600.0	90.00	0.56	9,688.0	954.3	-111.0	955.9	0.00	0.00	0.00
10,700.0	90.00	0.56	9,688.0	1,054.3	-110.0	1,055.9	0.00	0.00	0.00
10,800.0	90.00	0.56	9,688.0	1,154.3	-109.1	1,155.8	0.00	0.00	0.00
10,900.0	90.00	0.56	9,688.0	1,254.3	-108.1	1,255.8	0.00	0.00	0.00
11,000.0	90.00	0.56	9,688.0	1,354.3	-107.1	1,355.8	0.00	0.00	0.00
11,100.0	90.00	0.56	9,688.0	1,454.3	-106.1	1,455.8	0.00	0.00	0.00
11,200.0	90.00	0.56	9,688.0	1,554.3	-105.1	1,555.7	0.00	0.00	0.00
11,300.0	90.00	0.56	9,688.0	1,654.3	-104.1	1,655.7	0.00	0.00	0.00
11,400.0	90.00	0.56	9,688.0	1,754.3	-103.1	1,755.7	0.00	0.00	0.00
11,500.0	90.00	0.56	9,688.0	1,854.3	-102.2	1,855.6	0.00	0.00	0.00
11,600.0	90.00	0.56	9,688.0	1,954.3	-101.2	1,955.6	0.00	0.00	0.00
11,700.0	90.00	0.56	9,688.0	2,054.3	-100.2	2,055.6	0.00	0.00	0.00
11,800.0	90.00	0.56	9,688.0	2,154.3	-99.2	2,155.5	0.00	0.00	0.00
11,900.0	90.00	0.56	9,688.0	2,254.3	-98.2	2,255.5	0.00	0.00	0.00
12,000.0	90.00	0.56	9,688.0	2,354.3	-97.2	2,355.5	0.00	0.00	0.00
12,100.0	90.00	0.56	9,688.0	2,454.3	-96.3	2,455.4	0.00	0.00	0.00
12,200.0	90.00	0.56	9,688.0	2,554.3	-95.3	2,555.4	0.00	0.00	0.00
12,300.0	90.00	0.56	9,688.0	2,654.3	-94.3	2,655.4	0.00	0.00	0.00
12,400.0	90.00	0.56	9,688.0	2,754.2	-93.3	2,755.3	0.00	0.00	0.00
12,500.0	90.00	0.56	9,688.0	2,854.2	-92.3	2,855.3	0.00	0.00	0.00
12,600.0	90.00	0.56	9,688.0	2,954.2	-91.3	2,955.3	0.00	0.00	0.00
12,700.0	90.00	0.56	9,688.0	3,054.2	-90.3	3,055.3	0.00	0.00	0.00
12,800.0	90.00	0.56	9,688.0	3,154.2	-89.4	3,155.2	0.00	0.00	0.00
12,900.0	90.00	0.56	9,688.0	3,254.2	-88.4	3,255.2	0.00	0.00	0.00
13,000.0	90.00	0.56	9,688.0	3,354.2	-87.4	3,355.2	0.00	0.00	0.00
13,100.0	90.00	0.56	9,688.0	3,454.2	-86.4	3,455.1	0.00	0.00	0.00
13,200.0	90.00	0.56	9,688.0	3,554.2	-85.4	3,555.1	0.00	0.00	0.00
13,300.0	90.00	0.56	9,688.0	3,654.2	-84.4	3,655.1	0.00	0.00	0.00
13,400.0	90.00	0.56	9,688.0	3,754.2	-83.4	3,755.0	0.00	0.00	0.00
13,500.0	90.00	0.56	9,688.0	3,854.2	-82.5	3,855.0	0.00	0.00	0.00
13,600.0	90.00	0.56	9,688.0	3,954.2	-81.5	3,955.0	0.00	0.00	0.00
13,700.0	90.00	0.56	9,688.0	4,054.2	-80.5	4,054.9	0.00	0.00	0.00
13,800.0	90.00	0.56	9,688.0	4,154.2	-79.5	4,154.9	0.00	0.00	0.00
13,900.0	90.00	0.56	9,688.0	4,254.2	-78.5	4,254.9	0.00	0.00	0.00
14,000.0	90.00	0.56	9,688.0	4,354.2	-77.5	4,354.8	0.00	0.00	0.00
14,100.0	90.00	0.56	9,688.0	4,454.2	-76.6	4,454.8	0.00	0.00	0.00
14,200.0	90.00	0.56	9,688.0	4,554.2	-75.6	4,554.8	0.00	0.00	0.00
14,300.0	90.00	0.56	9,688.0	4,654.2	-74.6	4,654.8	0.00	0.00	0.00
14,400.0	90.00	0.56	9,688.0	4,754.2	-73.6	4,754.7	0.00	0.00	0.00
14,460.9	90.00	0.56	9,688.0	4,815.0	-73.0	4,815.6	0.00	0.00	0.00
BHL: 330' FNL & 1320' FEL									

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Layla 35 W0OB Fee #2H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3023.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3023.0usft (Original Well Elev)
Site:	Layla 35 W0OB Fee #2H	**North Reference:**	Grid
Well:	Sec 35, T23S, R28E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1320' FEL		
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: 170' FSL & 1200' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	456,521.00	627,888.00	32.2547413	-104.0533510
KOP: 10' FSL & 1320' FI - plan hits target center - Point	0.00	0.01	9,211.0	-160.0	-122.0	456,361.00	627,766.00	32.2543024	-104.0537470
FTP: 330' FSL & 1320' F - plan hits target center - Point	0.00	0.00	9,661.4	160.0	-118.8	456,681.00	627,769.16	32.2551820	-104.0537341
LP: 487' FSL & 1320' FE - plan hits target center - Point	0.00	0.00	9,688.0	317.0	-117.3	456,838.00	627,770.70	32.2556135	-104.0537278
BHL: 330' FNL & 1320' F - plan hits target center - Point	0.00	0.00	9,688.0	4,815.0	-73.0	461,336.00	627,815.00	32.2679776	-104.0535466