

State of New Mexico
Energy, Minerals and Natural Resources

Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-47680
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Mewbourne Oil Company		6. State Oil & Gas Lease No.
3. Address of Operator PO Box 5270, Hobbs, NM 88240		7. Lease Name or Unit Agreement Name Layla 35 W0NC Fee
4. Well Location Unit Letter <u>N</u> : <u>225</u> feet from the <u>South</u> line and <u>1930</u> feet from the <u>West</u> line Section <u>35</u> Township <u>23S</u> Range <u>28E</u> NMPM County <u>Eddy</u>		8. Well Number <u>2H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3015' GL		9. OGRID Number <u>14744</u>
		10. Pool name or Wildcat Purple Sage Wolfcamp Gas (98220)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☒ PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐ DOWNHOLE COMMINGLE ☐		SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ P AND A ☐ CASING/CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Mewbourne Oil Company has an approved APD for the above well. MOC requests approval to make the following changes:

- 1) Change well name to Layla 35/26 W0NC Fee #2H.
- 2) Change BHL to 330' FNL & 2200' FWL, Sec 26, T23S, R28E, Eddy County.
- 3) Change casing & cement design as detailed below

Casing Type	Fluid Type	Hole Size	Casing Size	Casing Grade	Casing Weight	Top MD	Setting Depth	Sacks Cement	Top Cement
Surface	Spud Mud	17.5	13 3/8"	H40	48	0	500	410	0
Intermediate	Brine	12.25	9 5/8"	J55	36	0	2545	540	0
Production	Cut Brine	8.75	7"	P110	26	0	9999	860	2345
Liner	OBM	6.125	4 1/2"	P110	13.5	9099	19824	430	9099

Spud Date: Est. July 2021 Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Andrew W. Taylor TITLE Engineer DATE 5/21/2021

Type or print name Andy Taylor E-mail address: ataylor@mewbourne.com PHONE: (575) 393-5905

For State Use Only

APPROVED BY: John Garcia TITLE Petroleum Specialist DATE 6/9/2021

Conditions of Approval (if any):

District I
1625 N. French Dr., Hobbs, NM 88240
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Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-471680		² Pool Code 98820		³ Pool Name Purple Sage Wolfcamp (Gas)	
⁴ Property Code 329798 330994		⁵ Property Name LAYLA 35/26 W0NC FEE			⁶ Well Number 2H
⁷ GRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3015'
¹⁰ Surface Location					
UL or lot no. N	Section 35	Township 23S	Range 28E	Lot Idn 225	Feet From the SOUTH
Feet From the 1930		East/West line WEST		County EDDY	
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. C	Section 26	Township 23S	Range 28E	Lot Idn 330	Feet from the NORTH
Feet from the 2200		East/West line WEST		County EDDY	
¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.		

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

GEODETIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION
N: 456565.5 - E: 625715.1
LAT: 32.2548789° N
LONG: 104.0603796° W

GEODETIC DATA
NAD 83 GRID - NM EAST

BOTTOM HOLE
N: 466749.9 - E: 625945.6
LAT: 32.2828728° N
LONG: 104.0595501° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1942"
N: 456331.9 - E: 623787.8

B: FOUND 1/2" REBAR
N: 458974.0 - E: 623762.4

C: FOUND 1/2" REBAR
N: 461650.7 - E: 623798.9

D: COTTON SPINDLE
N: 467071.8 - E: 623742.7

E: FOUND 1/2" REBAR
N: 467091.2 - E: 629058.3

F: FOUND 1/2" REBAR
N: 461670.8 - E: 629138.2

G: FOUND BRASS CAP "1942"
N: 456356.5 - E: 629085.5

H: FOUND BRASS CAP "1942"
N: 456343.8 - E: 626436.3

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.

Signature: Andrew W Taylor Date: 5/24/2021
Printed Name: Andy Taylor
E-mail Address: ataylor@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.

10-22-2020
Date of Survey

Signature and Seal of Professional Surveyor: Robert M. Howett

19680
Certificate Number

REV: BH MOVE/NAME CHANGE-3/31/21

Job No: LS20100585R

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Layla 35/26 W0NC Fee #2H

Sec 35, T23S, R28E

SHL: 225' FSL & 1930' FWL, Sec 35

BHL: 330' FNL & 2200' FWL, Sec 26

Plan: Design #1

Standard Planning Report

21 May, 2021

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Layla 35/26 W0NC Fee #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3043.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3043.0usft (Original Well Elev)
Site:	Layla 35/26 W0NC Fee #2H	North Reference:	Grid
Well:	Sec 35, T23S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 2200' FWL, 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	Layla 35/26 W0NC Fee #2H		
Site Position:		Northing:	456,566.00 usft
From:	Map	Easting:	625,725.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.2548803
		Longitude:	-104.0603477

Well	Sec 35, T23S, R28E					
Well Position	+N/-S	0.0 usft	Northing:	456,566.00 usft	Latitude:	32.2548803
	+E/-W	0.0 usft	Easting:	625,725.00 usft	Longitude:	-104.0603477
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,043.0 usft	Ground Level:	3,015.0 usft
Grid Convergence:		0.15 °				

Wellbore	BHL: 330' FNL & 2200' FWL, Sec 26				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.38	60.04	48,205.74818668

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	1.24	

Plan Survey Tool Program	Date	5/21/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	19,824.1	Design #1 (BHL: 330' FNL & 2200		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,575.0	0.00	0.00	2,575.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,727.5	3.05	129.13	2,727.5	-2.6	3.1	2.00	2.00	0.00	129.13	
8,946.5	3.05	129.13	8,937.6	-211.4	259.9	0.00	0.00	0.00	0.00	
9,099.0	0.00	0.00	9,090.0	-214.0	263.0	2.00	-2.00	0.00	180.00	KOP: 10' FSL & 2200'
9,998.4	89.94	359.77	9,663.0	358.4	260.7	10.00	10.00	0.00	-0.23	
19,824.1	89.94	359.77	9,673.0	10,184.0	221.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 2200'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Layla 35/26 W0NC Fee #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3043.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3043.0usft (Original Well Elev)
Site:	Layla 35/26 W0NC Fee #2H	North Reference:	Grid
Well:	Sec 35, T23S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 2200' FWL, 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: 225' FSL & 1930' FWL (35)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,575.0	0.00	0.00	2,575.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.50	129.13	2,600.0	-0.1	0.1	-0.1	2.00	2.00	0.00
2,700.0	2.50	129.13	2,700.0	-1.7	2.1	-1.7	2.00	2.00	0.00
2,727.5	3.05	129.13	2,727.5	-2.6	3.1	-2.5	2.00	2.00	0.00
2,800.0	3.05	129.13	2,799.8	-5.0	6.1	-4.9	0.00	0.00	0.00
2,900.0	3.05	129.13	2,899.7	-8.4	10.3	-8.1	0.00	0.00	0.00
3,000.0	3.05	129.13	2,999.5	-11.7	14.4	-11.4	0.00	0.00	0.00
3,100.0	3.05	129.13	3,099.4	-15.1	18.5	-14.7	0.00	0.00	0.00
3,200.0	3.05	129.13	3,199.3	-18.4	22.7	-17.9	0.00	0.00	0.00
3,300.0	3.05	129.13	3,299.1	-21.8	26.8	-21.2	0.00	0.00	0.00
3,400.0	3.05	129.13	3,399.0	-25.1	30.9	-24.5	0.00	0.00	0.00
3,500.0	3.05	129.13	3,498.8	-28.5	35.0	-27.7	0.00	0.00	0.00
3,600.0	3.05	129.13	3,598.7	-31.9	39.2	-31.0	0.00	0.00	0.00
3,700.0	3.05	129.13	3,698.5	-35.2	43.3	-34.3	0.00	0.00	0.00
3,800.0	3.05	129.13	3,798.4	-38.6	47.4	-37.5	0.00	0.00	0.00
3,900.0	3.05	129.13	3,898.3	-41.9	51.5	-40.8	0.00	0.00	0.00
4,000.0	3.05	129.13	3,998.1	-45.3	55.7	-44.1	0.00	0.00	0.00
4,100.0	3.05	129.13	4,098.0	-48.7	59.8	-47.4	0.00	0.00	0.00
4,200.0	3.05	129.13	4,197.8	-52.0	63.9	-50.6	0.00	0.00	0.00
4,300.0	3.05	129.13	4,297.7	-55.4	68.1	-53.9	0.00	0.00	0.00
4,400.0	3.05	129.13	4,397.6	-58.7	72.2	-57.2	0.00	0.00	0.00
4,500.0	3.05	129.13	4,497.4	-62.1	76.3	-60.4	0.00	0.00	0.00
4,600.0	3.05	129.13	4,597.3	-65.5	80.4	-63.7	0.00	0.00	0.00
4,700.0	3.05	129.13	4,697.1	-68.8	84.6	-67.0	0.00	0.00	0.00
4,800.0	3.05	129.13	4,797.0	-72.2	88.7	-70.2	0.00	0.00	0.00
4,900.0	3.05	129.13	4,896.8	-75.5	92.8	-73.5	0.00	0.00	0.00
5,000.0	3.05	129.13	4,996.7	-78.9	97.0	-76.8	0.00	0.00	0.00

Planning Report

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Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3043.0usft (Original Well Elev)
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Well:	Sec 35, T23S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 2200' FWL, 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	3.05	129.13	5,096.6	-82.2	101.1	-80.0	0.00	0.00	0.00
5,200.0	3.05	129.13	5,196.4	-85.6	105.2	-83.3	0.00	0.00	0.00
5,300.0	3.05	129.13	5,296.3	-89.0	109.3	-86.6	0.00	0.00	0.00
5,400.0	3.05	129.13	5,396.1	-92.3	113.5	-89.8	0.00	0.00	0.00
5,500.0	3.05	129.13	5,496.0	-95.7	117.6	-93.1	0.00	0.00	0.00
5,600.0	3.05	129.13	5,595.9	-99.0	121.7	-96.4	0.00	0.00	0.00
5,700.0	3.05	129.13	5,695.7	-102.4	125.8	-99.6	0.00	0.00	0.00
5,800.0	3.05	129.13	5,795.6	-105.8	130.0	-102.9	0.00	0.00	0.00
5,900.0	3.05	129.13	5,895.4	-109.1	134.1	-106.2	0.00	0.00	0.00
6,000.0	3.05	129.13	5,995.3	-112.5	138.2	-109.4	0.00	0.00	0.00
6,100.0	3.05	129.13	6,095.1	-115.8	142.4	-112.7	0.00	0.00	0.00
6,200.0	3.05	129.13	6,195.0	-119.2	146.5	-116.0	0.00	0.00	0.00
6,300.0	3.05	129.13	6,294.9	-122.6	150.6	-119.3	0.00	0.00	0.00
6,400.0	3.05	129.13	6,394.7	-125.9	154.7	-122.5	0.00	0.00	0.00
6,500.0	3.05	129.13	6,494.6	-129.3	158.9	-125.8	0.00	0.00	0.00
6,600.0	3.05	129.13	6,594.4	-132.6	163.0	-129.1	0.00	0.00	0.00
6,700.0	3.05	129.13	6,694.3	-136.0	167.1	-132.3	0.00	0.00	0.00
6,800.0	3.05	129.13	6,794.2	-139.3	171.3	-135.6	0.00	0.00	0.00
6,900.0	3.05	129.13	6,894.0	-142.7	175.4	-138.9	0.00	0.00	0.00
7,000.0	3.05	129.13	6,993.9	-146.1	179.5	-142.1	0.00	0.00	0.00
7,100.0	3.05	129.13	7,093.7	-149.4	183.6	-145.4	0.00	0.00	0.00
7,200.0	3.05	129.13	7,193.6	-152.8	187.8	-148.7	0.00	0.00	0.00
7,300.0	3.05	129.13	7,293.4	-156.1	191.9	-151.9	0.00	0.00	0.00
7,400.0	3.05	129.13	7,393.3	-159.5	196.0	-155.2	0.00	0.00	0.00
7,500.0	3.05	129.13	7,493.2	-162.9	200.1	-158.5	0.00	0.00	0.00
7,600.0	3.05	129.13	7,593.0	-166.2	204.3	-161.7	0.00	0.00	0.00
7,700.0	3.05	129.13	7,692.9	-169.6	208.4	-165.0	0.00	0.00	0.00
7,800.0	3.05	129.13	7,792.7	-172.9	212.5	-168.3	0.00	0.00	0.00
7,900.0	3.05	129.13	7,892.6	-176.3	216.7	-171.5	0.00	0.00	0.00
8,000.0	3.05	129.13	7,992.5	-179.6	220.8	-174.8	0.00	0.00	0.00
8,100.0	3.05	129.13	8,092.3	-183.0	224.9	-178.1	0.00	0.00	0.00
8,200.0	3.05	129.13	8,192.2	-186.4	229.0	-181.4	0.00	0.00	0.00
8,300.0	3.05	129.13	8,292.0	-189.7	233.2	-184.6	0.00	0.00	0.00
8,400.0	3.05	129.13	8,391.9	-193.1	237.3	-187.9	0.00	0.00	0.00
8,500.0	3.05	129.13	8,491.7	-196.4	241.4	-191.2	0.00	0.00	0.00
8,600.0	3.05	129.13	8,591.6	-199.8	245.5	-194.4	0.00	0.00	0.00
8,700.0	3.05	129.13	8,691.5	-203.2	249.7	-197.7	0.00	0.00	0.00
8,800.0	3.05	129.13	8,791.3	-206.5	253.8	-201.0	0.00	0.00	0.00
8,900.0	3.05	129.13	8,891.2	-209.9	257.9	-204.2	0.00	0.00	0.00
8,946.5	3.05	129.13	8,937.6	-211.4	259.9	-205.8	0.00	0.00	0.00
9,000.0	1.98	129.13	8,991.1	-212.9	261.7	-207.2	2.00	-2.00	0.00
9,099.0	0.00	0.00	9,090.0	-214.0	263.0	-208.2	2.00	-2.00	0.00
KOP: 10' FSL & 2200' FWL (35)									
9,100.0	0.10	359.77	9,091.0	-214.0	263.0	-208.2	10.00	10.00	0.00
9,150.0	5.10	359.77	9,141.0	-211.7	263.0	-206.0	10.00	10.00	0.00
9,200.0	10.10	359.77	9,190.5	-205.1	263.0	-199.4	10.00	10.00	0.00
9,250.0	15.10	359.77	9,239.3	-194.2	262.9	-188.5	10.00	10.00	0.00
9,300.0	20.10	359.77	9,286.9	-179.1	262.9	-173.4	10.00	10.00	0.00
9,350.0	25.10	359.77	9,333.1	-159.9	262.8	-154.2	10.00	10.00	0.00
9,400.0	30.10	359.77	9,377.4	-136.7	262.7	-131.0	10.00	10.00	0.00
9,450.0	35.10	359.77	9,419.5	-109.8	262.6	-104.1	10.00	10.00	0.00
9,500.0	40.10	359.77	9,459.1	-79.3	262.5	-73.6	10.00	10.00	0.00
9,550.0	45.10	359.77	9,495.9	-45.5	262.3	-39.8	10.00	10.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Layla 35/26 W0NC Fee #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3043.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3043.0usft (Original Well Elev)
Site:	Layla 35/26 W0NC Fee #2H	North Reference:	Grid
Well:	Sec 35, T23S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 2200' FWL, 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)
9,600.0	50.10	359.77	9,529.6	-8.6	262.2	-2.9	10.00	10.00	0.00
9,650.0	55.10	359.77	9,560.0	31.1	262.0	36.8	10.00	10.00	0.00
9,700.0	60.10	359.77	9,586.7	73.3	261.8	79.0	10.00	10.00	0.00
9,735.9	63.69	359.77	9,603.6	105.0	261.7	110.7	10.00	10.00	0.00
FTP: 330' FSL & 2200' FWL (35)									
9,750.0	65.10	359.77	9,609.7	117.7	261.7	123.4	10.00	10.00	0.00
9,800.0	70.10	359.77	9,628.8	163.9	261.5	169.6	10.00	10.00	0.00
9,850.0	75.10	359.77	9,643.7	211.6	261.3	217.2	10.00	10.00	0.00
9,900.0	80.10	359.77	9,654.5	260.4	261.1	266.1	10.00	10.00	0.00
9,950.0	85.10	359.77	9,660.9	310.0	260.9	315.6	10.00	10.00	0.00
9,998.4	89.94	359.77	9,663.0	358.4	260.7	364.0	9.99	9.99	0.00
LP: 590' FSL & 2200' FWL (35)									
10,000.0	89.94	359.77	9,663.0	360.0	260.7	365.5	0.00	0.00	0.00
10,100.0	89.94	359.77	9,663.1	460.0	260.3	465.5	0.00	0.00	0.00
10,200.0	89.94	359.77	9,663.2	560.0	259.9	565.5	0.00	0.00	0.00
10,300.0	89.94	359.77	9,663.3	660.0	259.5	665.4	0.00	0.00	0.00
10,400.0	89.94	359.77	9,663.4	760.0	259.1	765.4	0.00	0.00	0.00
10,500.0	89.94	359.77	9,663.5	860.0	258.7	865.4	0.00	0.00	0.00
10,600.0	89.94	359.77	9,663.6	960.0	258.3	965.3	0.00	0.00	0.00
10,700.0	89.94	359.77	9,663.7	1,059.9	257.9	1,065.3	0.00	0.00	0.00
10,800.0	89.94	359.77	9,663.8	1,159.9	257.5	1,165.3	0.00	0.00	0.00
10,900.0	89.94	359.77	9,663.9	1,259.9	257.0	1,265.2	0.00	0.00	0.00
11,000.0	89.94	359.77	9,664.0	1,359.9	256.6	1,365.2	0.00	0.00	0.00
11,100.0	89.94	359.77	9,664.1	1,459.9	256.2	1,465.2	0.00	0.00	0.00
11,200.0	89.94	359.77	9,664.2	1,559.9	255.8	1,565.1	0.00	0.00	0.00
11,300.0	89.94	359.77	9,664.3	1,659.9	255.4	1,665.1	0.00	0.00	0.00
11,400.0	89.94	359.77	9,664.4	1,759.9	255.0	1,765.1	0.00	0.00	0.00
11,500.0	89.94	359.77	9,664.5	1,859.9	254.6	1,865.0	0.00	0.00	0.00
11,600.0	89.94	359.77	9,664.6	1,959.9	254.2	1,965.0	0.00	0.00	0.00
11,700.0	89.94	359.77	9,664.7	2,059.9	253.8	2,065.0	0.00	0.00	0.00
11,800.0	89.94	359.77	9,664.8	2,159.9	253.4	2,164.9	0.00	0.00	0.00
11,900.0	89.94	359.77	9,664.9	2,259.9	253.0	2,264.9	0.00	0.00	0.00
12,000.0	89.94	359.77	9,665.0	2,359.9	252.6	2,364.9	0.00	0.00	0.00
12,100.0	89.94	359.77	9,665.1	2,459.9	252.2	2,464.8	0.00	0.00	0.00
12,200.0	89.94	359.77	9,665.2	2,559.9	251.8	2,564.8	0.00	0.00	0.00
12,300.0	89.94	359.77	9,665.3	2,659.9	251.4	2,664.8	0.00	0.00	0.00
12,400.0	89.94	359.77	9,665.4	2,759.9	251.0	2,764.7	0.00	0.00	0.00
12,500.0	89.94	359.77	9,665.5	2,859.9	250.6	2,864.7	0.00	0.00	0.00
12,600.0	89.94	359.77	9,665.6	2,959.9	250.2	2,964.7	0.00	0.00	0.00
12,700.0	89.94	359.77	9,665.7	3,059.9	249.8	3,064.6	0.00	0.00	0.00
12,800.0	89.94	359.77	9,665.9	3,159.9	249.4	3,164.6	0.00	0.00	0.00
12,900.0	89.94	359.77	9,666.0	3,259.9	249.0	3,264.6	0.00	0.00	0.00
13,000.0	89.94	359.77	9,666.1	3,359.9	248.6	3,364.5	0.00	0.00	0.00
13,100.0	89.94	359.77	9,666.2	3,459.9	248.2	3,464.5	0.00	0.00	0.00
13,200.0	89.94	359.77	9,666.3	3,559.9	247.8	3,564.5	0.00	0.00	0.00
13,300.0	89.94	359.77	9,666.4	3,659.9	247.4	3,664.4	0.00	0.00	0.00
13,400.0	89.94	359.77	9,666.5	3,759.9	246.9	3,764.4	0.00	0.00	0.00
13,500.0	89.94	359.77	9,666.6	3,859.9	246.5	3,864.4	0.00	0.00	0.00
13,600.0	89.94	359.77	9,666.7	3,959.9	246.1	3,964.3	0.00	0.00	0.00
13,700.0	89.94	359.77	9,666.8	4,059.9	245.7	4,064.3	0.00	0.00	0.00
13,800.0	89.94	359.77	9,666.9	4,159.9	245.3	4,164.3	0.00	0.00	0.00
13,900.0	89.94	359.77	9,667.0	4,259.9	244.9	4,264.2	0.00	0.00	0.00
14,000.0	89.94	359.77	9,667.1	4,359.9	244.5	4,364.2	0.00	0.00	0.00
14,100.0	89.94	359.77	9,667.2	4,459.9	244.1	4,464.2	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Layla 35/26 W0NC Fee #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3043.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3043.0usft (Original Well Elev)
Site:	Layla 35/26 W0NC Fee #2H	North Reference:	Grid
Well:	Sec 35, T23S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 2200' FWL, 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)
14,200.0	89.94	359.77	9,667.3	4,559.9	243.7	4,564.1	0.00	0.00	0.00
14,300.0	89.94	359.77	9,667.4	4,659.9	243.3	4,664.1	0.00	0.00	0.00
14,400.0	89.94	359.77	9,667.5	4,759.9	242.9	4,764.1	0.00	0.00	0.00
14,500.0	89.94	359.77	9,667.6	4,859.9	242.5	4,864.0	0.00	0.00	0.00
14,600.0	89.94	359.77	9,667.7	4,959.9	242.1	4,964.0	0.00	0.00	0.00
14,700.0	89.94	359.77	9,667.8	5,059.9	241.7	5,064.0	0.00	0.00	0.00
14,800.0	89.94	359.77	9,667.9	5,159.9	241.3	5,163.9	0.00	0.00	0.00
14,900.0	89.94	359.77	9,668.0	5,259.9	240.9	5,263.9	0.00	0.00	0.00
15,000.0	89.94	359.77	9,668.1	5,359.9	240.5	5,363.9	0.00	0.00	0.00
15,100.0	89.94	359.77	9,668.2	5,459.9	240.1	5,463.8	0.00	0.00	0.00
15,200.0	89.94	359.77	9,668.3	5,559.9	239.7	5,563.8	0.00	0.00	0.00
15,300.0	89.94	359.77	9,668.4	5,659.9	239.3	5,663.8	0.00	0.00	0.00
15,400.0	89.94	359.77	9,668.5	5,759.9	238.9	5,763.7	0.00	0.00	0.00
15,500.0	89.94	359.77	9,668.6	5,859.9	238.5	5,863.7	0.00	0.00	0.00
15,600.0	89.94	359.77	9,668.7	5,959.9	238.1	5,963.7	0.00	0.00	0.00
15,700.0	89.94	359.77	9,668.8	6,059.9	237.7	6,063.6	0.00	0.00	0.00
15,800.0	89.94	359.77	9,668.9	6,159.9	237.3	6,163.6	0.00	0.00	0.00
15,900.0	89.94	359.77	9,669.0	6,259.9	236.9	6,263.6	0.00	0.00	0.00
16,000.0	89.94	359.77	9,669.1	6,359.9	236.4	6,363.5	0.00	0.00	0.00
16,100.0	89.94	359.77	9,669.2	6,459.9	236.0	6,463.5	0.00	0.00	0.00
16,200.0	89.94	359.77	9,669.3	6,559.9	235.6	6,563.5	0.00	0.00	0.00
16,300.0	89.94	359.77	9,669.4	6,659.9	235.2	6,663.4	0.00	0.00	0.00
16,400.0	89.94	359.77	9,669.5	6,759.9	234.8	6,763.4	0.00	0.00	0.00
16,500.0	89.94	359.77	9,669.6	6,859.9	234.4	6,863.4	0.00	0.00	0.00
16,600.0	89.94	359.77	9,669.7	6,959.9	234.0	6,963.3	0.00	0.00	0.00
16,700.0	89.94	359.77	9,669.8	7,059.9	233.6	7,063.3	0.00	0.00	0.00
16,800.0	89.94	359.77	9,669.9	7,159.9	233.2	7,163.3	0.00	0.00	0.00
16,900.0	89.94	359.77	9,670.0	7,259.9	232.8	7,263.2	0.00	0.00	0.00
17,000.0	89.94	359.77	9,670.1	7,359.9	232.4	7,363.2	0.00	0.00	0.00
17,100.0	89.94	359.77	9,670.2	7,459.9	232.0	7,463.2	0.00	0.00	0.00
17,200.0	89.94	359.77	9,670.3	7,559.9	231.6	7,563.1	0.00	0.00	0.00
17,300.0	89.94	359.77	9,670.4	7,659.9	231.2	7,663.1	0.00	0.00	0.00
17,400.0	89.94	359.77	9,670.5	7,759.9	230.8	7,763.1	0.00	0.00	0.00
17,500.0	89.94	359.77	9,670.6	7,859.9	230.4	7,863.0	0.00	0.00	0.00
17,600.0	89.94	359.77	9,670.7	7,959.9	230.0	7,963.0	0.00	0.00	0.00
17,700.0	89.94	359.77	9,670.8	8,059.9	229.6	8,063.0	0.00	0.00	0.00
17,800.0	89.94	359.77	9,670.9	8,159.9	229.2	8,162.9	0.00	0.00	0.00
17,900.0	89.94	359.77	9,671.0	8,259.9	228.8	8,262.9	0.00	0.00	0.00
18,000.0	89.94	359.77	9,671.1	8,359.9	228.4	8,362.9	0.00	0.00	0.00
18,100.0	89.94	359.77	9,671.2	8,459.9	228.0	8,462.8	0.00	0.00	0.00
18,200.0	89.94	359.77	9,671.3	8,559.9	227.6	8,562.8	0.00	0.00	0.00
18,300.0	89.94	359.77	9,671.4	8,659.9	227.2	8,662.8	0.00	0.00	0.00
18,400.0	89.94	359.77	9,671.6	8,759.9	226.8	8,762.7	0.00	0.00	0.00
18,500.0	89.94	359.77	9,671.7	8,859.9	226.3	8,862.7	0.00	0.00	0.00
18,600.0	89.94	359.77	9,671.8	8,959.9	225.9	8,962.7	0.00	0.00	0.00
18,700.0	89.94	359.77	9,671.9	9,059.9	225.5	9,062.6	0.00	0.00	0.00
18,800.0	89.94	359.77	9,672.0	9,159.9	225.1	9,162.6	0.00	0.00	0.00
18,900.0	89.94	359.77	9,672.1	9,259.9	224.7	9,262.6	0.00	0.00	0.00
19,000.0	89.94	359.77	9,672.2	9,359.9	224.3	9,362.5	0.00	0.00	0.00
19,100.0	89.94	359.77	9,672.3	9,459.9	223.9	9,462.5	0.00	0.00	0.00
19,200.0	89.94	359.77	9,672.4	9,559.9	223.5	9,562.5	0.00	0.00	0.00
19,300.0	89.94	359.77	9,672.5	9,659.9	223.1	9,662.4	0.00	0.00	0.00
19,400.0	89.94	359.77	9,672.6	9,759.9	222.7	9,762.4	0.00	0.00	0.00
19,500.0	89.94	359.77	9,672.7	9,859.9	222.3	9,862.4	0.00	0.00	0.00

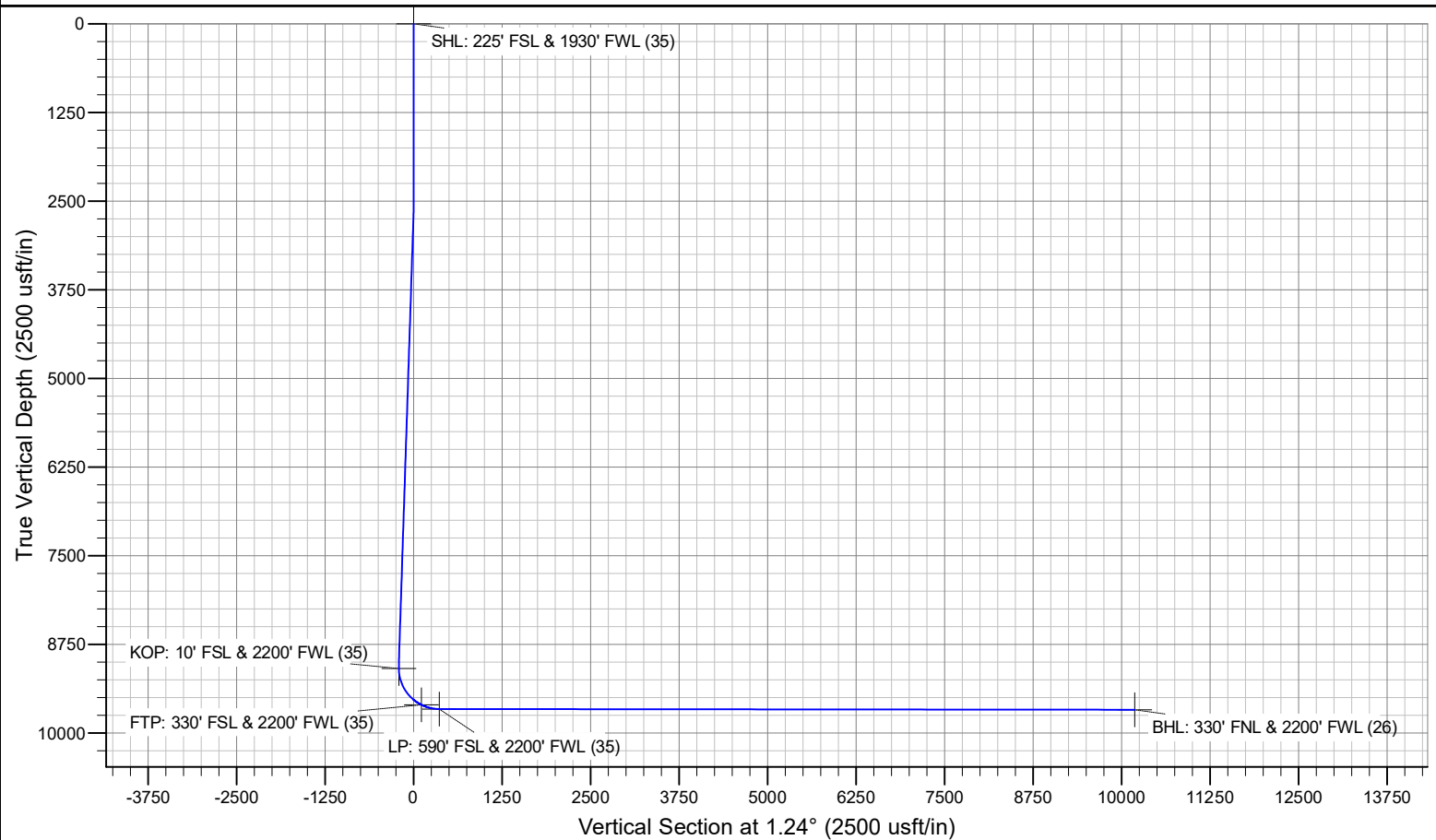
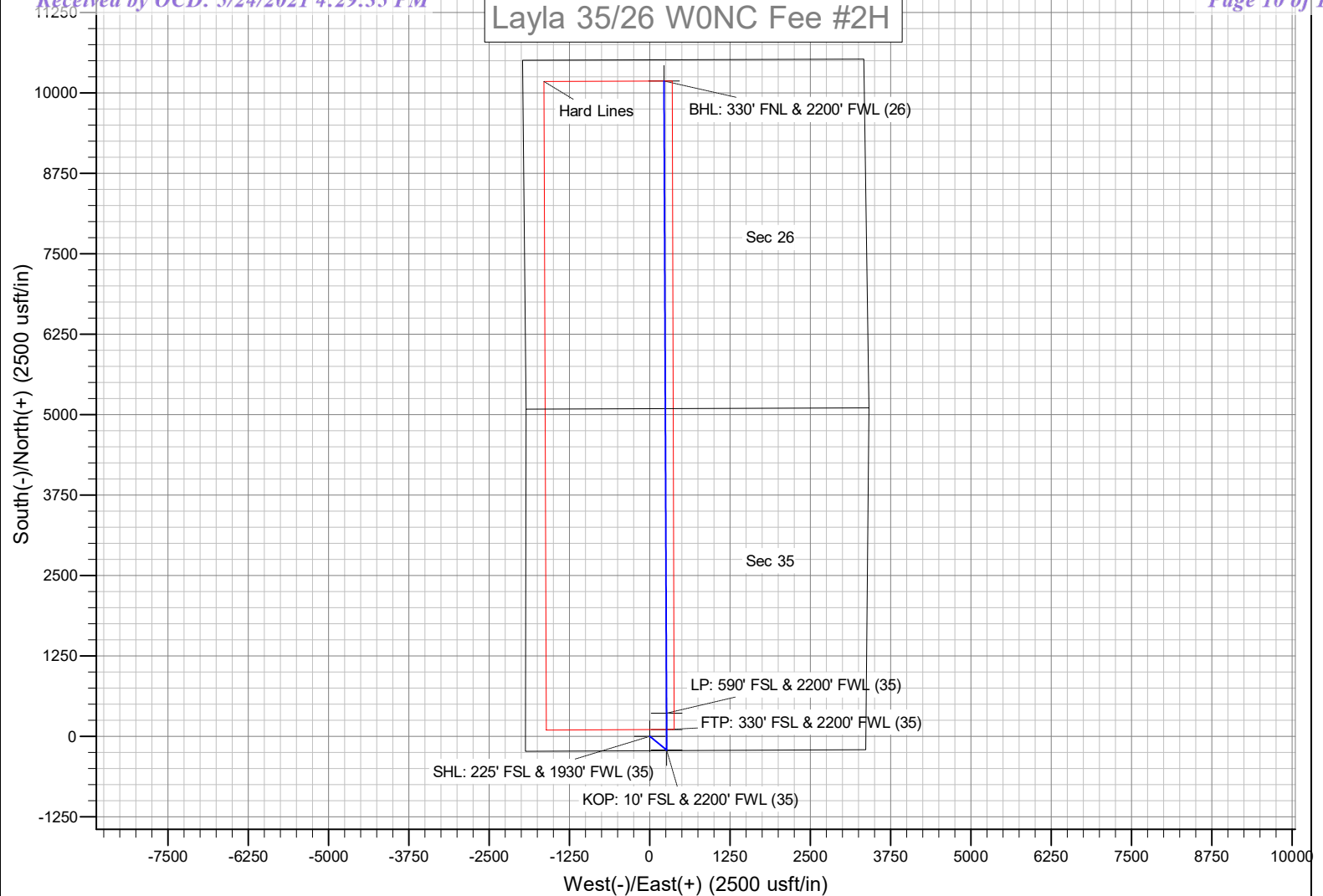
Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Layla 35/26 W0NC Fee #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3043.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3043.0usft (Original Well Elev)
Site:	Layla 35/26 W0NC Fee #2H	North Reference:	Grid
Well:	Sec 35, T23S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 2200' FWL, 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)
19,600.0	89.94	359.77	9,672.8	9,959.9	221.9	9,962.3	0.00	0.00	0.00
19,700.0	89.94	359.77	9,672.9	10,059.9	221.5	10,062.3	0.00	0.00	0.00
19,800.0	89.94	359.77	9,673.0	10,159.9	221.1	10,162.3	0.00	0.00	0.00
19,824.1	89.94	359.77	9,673.0	10,184.0	221.0	10,186.4	0.00	0.00	0.00
BHL: 330' FNL & 2200' FWL (26)									

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: 225' FSL & 1930' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	456,566.00	625,725.00	32.2548803	-104.0603477
KOP: 10' FSL & 2200' F - plan hits target center - Point	0.00	0.00	9,090.0	-214.0	263.0	456,352.00	625,988.00	32.2542902	-104.0594987
FTP: 330' FSL & 2200' F - plan hits target center - Point	0.00	0.00	9,603.6	105.0	261.7	456,671.00	625,986.72	32.2551671	-104.0595002
LP: 590' FSL & 2200' FV - plan hits target center - Point	0.00	0.00	9,663.0	358.4	260.7	456,924.40	625,985.69	32.2558637	-104.0595014
BHL: 330' FNL & 2200' F - plan hits target center - Point	0.00	0.00	9,673.0	10,184.0	221.0	466,750.00	625,946.00	32.2828731	-104.0595487

Layla 35/26 W0NC Fee #2H



District I

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

COMMENTS

Action 29344

COMMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 29344
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 5/27/2021	5/27/2021

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
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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

CONDITIONS

Action 29344

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 29344
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	5/27/2021