

Submit a Copy To Appropriate District
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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO.
30-025-54501
5. Indicate Type of Lease
STATE [ ] FEE [X]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name
Squints 4/5 Fee
8. Well Number 826H
9. OGRID Number 14744
10. Pool name or Wildcat
Purple Sage; Wolfcamp (98220)
11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3108' GR

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.)
1. Type of Well: Oil Well [ ] Gas Well [X] Other [ ]
2. Name of Operator
Mewbourne Oil Company
3. Address of Operator
PO Box 5270, Hobbs, NM 88241
4. Well Location
Unit Letter L : 1350 feet from the South line and 405 feet from the West line
Section 3 Township 22S Range 27E NMPM Eddy County
11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3108' GR

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 [X]
PULL OR ALTER CASING [ ] MULTIPLE COMPL [ ]
DOWNHOLE COMMINGLE [ ]
CLOSED-LOOP SYSTEM [ ]
OTHER: [ ]
SUBSEQUENT REPORT OF:
REMEDIAL WORK [ ] ALTERING CASING [ ]
COMMENCE DRILLING OPNS. [ ] P AND A [ ]
CASING/CEMENT JOB [ ]
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 requests approval to make the following changes to the approved APD:

- 1) Change well name from Squints 4/5 Fee #826H to Squints 4/5 Fee #825H
2) Change BHL from 1980' FSL & 2317' FEL, Sec 5, T22S, R27E to 2321' FSL & 2318' FEL, Sec 5, T22S, R27E

Spud Date: Est. 5/25/2024

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 5/1/2024

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

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

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
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Phone: (505) 334-6178 Fax: (505) 334-6170
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Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Table with 3 columns: 1 API Number (30-015-54501), 2 Pool Code (98220), 3 Pool Name (PURPLE SAGE; WOLFCAMP), 4 Property Code (335057), 5 Property Name (SQUINTS 4/5 FEE), 6 Well Number (825H), 7 OGRID NO. (14744), 8 Operator Name (MEWBOURNE OIL COMPANY), 9 Elevation (3108')

10 Surface Location

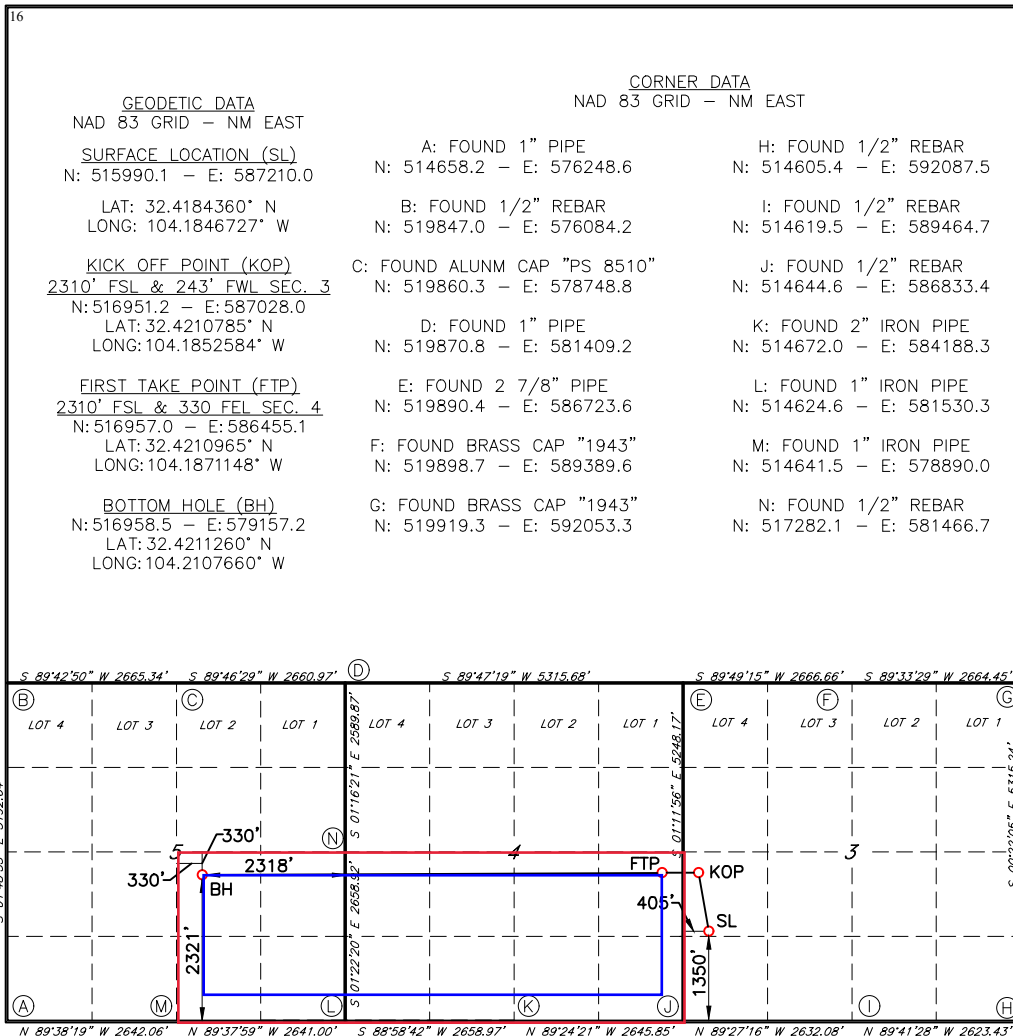
Table with 10 columns: UL or lot no. (L), Section (3), Township (22S), Range (27E), Lot Idn, Feet from the (1350), North/South line (SOUTH), Feet From the (405), East/West line (WEST), County (EDDY)

11 Bottom Hole Location If Different From Surface

Table with 10 columns: UL or lot no. (J), Section (5), Township (22S), Range (27E), Lot Idn, Feet from the (2321), North/South line (SOUTH), Feet from the (2318), East/West line (EAST), County (EDDY)

Table with 4 columns: 12 Dedicated Acres (480), 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.



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: 5/1/2024
Printed Name: Andrew 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.
Date of Survey: 12/05/2023
Signature and Seal of Professional Surveyor: [Seal of Robert M. Howett, Professional Surveyor, New Mexico, 19680]
Certificate Number: 19680
REV: NAME/BH/KOP/FTP CHANGE 3/5/24
Job No.: LS23121030D

# **Mewbourne Oil Company**

**Eddy County, New Mexico NAD 83**

**Squints 4/5 Fee #825H**

**Sec 3, T22S, R27E**

**SHL: 1350' FSL & 405' FWL, Sec 3**

**BHL: 2321' FSL & 2318' FEL, Sec 5**

**Plan: Design #1**

## **Standard Planning Report**

**22 March, 2024**

Planning Report

<b>Database:</b>	Hobbs	<b>Local Co-ordinate Reference:</b>	Site Squints 4/5 Fee #825H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	WELL @ 3136.0usft (Original Well Elev)
<b>Project:</b>	Eddy County, New Mexico NAD 83	<b>MD Reference:</b>	WELL @ 3136.0usft (Original Well Elev)
<b>Site:</b>	Squints 4/5 Fee #825H	<b>North Reference:</b>	Grid
<b>Well:</b>	Sec 3, T22S, R27E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	BHL: 2321' FSL & 2318' FEL, Sec 5		
<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>	Squints 4/5 Fee #825H				
<b>Site Position:</b>		<b>Northing:</b>	515,990.10 usft	<b>Latitude:</b>	32.4184359
<b>From:</b>	Map	<b>Easting:</b>	587,210.00 usft	<b>Longitude:</b>	-104.1846728
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "		

<b>Well</b>	Sec 3, T22S, R27E					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	515,990.10 usft	<b>Latitude:</b>	32.4184359
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	587,210.00 usft	<b>Longitude:</b>	-104.1846728
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	3,136.0 usft	<b>Ground Level:</b>	3,108.0 usft
<b>Grid Convergence:</b>	0.08 °					

<b>Wellbore</b>	BHL: 2321' FSL & 2318' FEL, Sec 5				
<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	7.45	60.18	48,289.59310099

<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	276.86

<b>Plan Survey Tool Program</b>	<b>Date</b>	3/22/2024		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.0	17,082.8	Design #1 (BHL: 2321' FSL & 231	

<b>Plan Sections</b>										
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	
1,850.0	0.00	0.00	1,850.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,275.5	8.51	349.28	2,274.0	31.0	-5.9	2.00	2.00	0.00	349.28	
8,458.7	8.51	349.28	8,389.1	930.1	-176.1	0.00	0.00	0.00	0.00	
8,884.3	0.00	0.00	8,813.0	961.1	-182.0	2.00	-2.00	0.00	180.00	KOP: 2310' FSL & 24'
9,792.2	90.79	270.05	9,386.0	961.6	-762.9	10.00	10.00	0.00	-89.95	
17,082.8	90.79	270.05	9,286.0	968.4	-8,052.8	0.00	0.00	0.00	0.00	BHL: 2321' FSL & 23'

Planning Report

<b>Database:</b>	Hobbs	<b>Local Co-ordinate Reference:</b>	Site Squints 4/5 Fee #825H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	WELL @ 3136.0usft (Original Well Elev)
<b>Project:</b>	Eddy County, New Mexico NAD 83	<b>MD Reference:</b>	WELL @ 3136.0usft (Original Well Elev)
<b>Site:</b>	Squints 4/5 Fee #825H	<b>North Reference:</b>	Grid
<b>Well:</b>	Sec 3, T22S, R27E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	BHL: 2321' FSL & 2318' FEL, Sec 5		
<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: 1350' FSL &amp; 405' FWL (3)</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	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
1,850.0	0.00	0.00	1,850.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	1.00	349.28	1,900.0	0.4	-0.1	0.1	2.00	2.00	0.00
2,000.0	3.00	349.28	1,999.9	3.9	-0.7	1.2	2.00	2.00	0.00
2,100.0	5.00	349.28	2,099.7	10.7	-2.0	3.3	2.00	2.00	0.00
2,200.0	7.00	349.28	2,199.1	21.0	-4.0	6.4	2.00	2.00	0.00
2,275.5	8.51	349.28	2,274.0	31.0	-5.9	9.5	2.00	2.00	0.00
2,300.0	8.51	349.28	2,298.2	34.6	-6.5	10.6	0.00	0.00	0.00
2,400.0	8.51	349.28	2,397.1	49.1	-9.3	15.1	0.00	0.00	0.00
2,500.0	8.51	349.28	2,496.0	63.6	-12.1	19.6	0.00	0.00	0.00
2,600.0	8.51	349.28	2,594.9	78.2	-14.8	24.0	0.00	0.00	0.00
2,700.0	8.51	349.28	2,693.8	92.7	-17.6	28.5	0.00	0.00	0.00
2,800.0	8.51	349.28	2,792.7	107.3	-20.3	33.0	0.00	0.00	0.00
2,900.0	8.51	349.28	2,891.6	121.8	-23.1	37.4	0.00	0.00	0.00
3,000.0	8.51	349.28	2,990.5	136.3	-25.8	41.9	0.00	0.00	0.00
3,100.0	8.51	349.28	3,089.4	150.9	-28.6	46.4	0.00	0.00	0.00
3,200.0	8.51	349.28	3,188.3	165.4	-31.3	50.9	0.00	0.00	0.00
3,300.0	8.51	349.28	3,287.2	180.0	-34.1	55.3	0.00	0.00	0.00
3,400.0	8.51	349.28	3,386.1	194.5	-36.8	59.8	0.00	0.00	0.00
3,500.0	8.51	349.28	3,485.0	209.0	-39.6	64.3	0.00	0.00	0.00
3,600.0	8.51	349.28	3,583.9	223.6	-42.3	68.7	0.00	0.00	0.00
3,700.0	8.51	349.28	3,682.8	238.1	-45.1	73.2	0.00	0.00	0.00
3,800.0	8.51	349.28	3,781.6	252.7	-47.8	77.7	0.00	0.00	0.00
3,900.0	8.51	349.28	3,880.5	267.2	-50.6	82.1	0.00	0.00	0.00
4,000.0	8.51	349.28	3,979.4	281.8	-53.4	86.6	0.00	0.00	0.00
4,100.0	8.51	349.28	4,078.3	296.3	-56.1	91.1	0.00	0.00	0.00
4,200.0	8.51	349.28	4,177.2	310.8	-58.9	95.6	0.00	0.00	0.00
4,300.0	8.51	349.28	4,276.1	325.4	-61.6	100.0	0.00	0.00	0.00
4,400.0	8.51	349.28	4,375.0	339.9	-64.4	104.5	0.00	0.00	0.00
4,500.0	8.51	349.28	4,473.9	354.5	-67.1	109.0	0.00	0.00	0.00
4,600.0	8.51	349.28	4,572.8	369.0	-69.9	113.4	0.00	0.00	0.00
4,700.0	8.51	349.28	4,671.7	383.5	-72.6	117.9	0.00	0.00	0.00
4,800.0	8.51	349.28	4,770.6	398.1	-75.4	122.4	0.00	0.00	0.00
4,900.0	8.51	349.28	4,869.5	412.6	-78.1	126.8	0.00	0.00	0.00
5,000.0	8.51	349.28	4,968.4	427.2	-80.9	131.3	0.00	0.00	0.00

Planning Report

<b>Database:</b>	Hobbs	<b>Local Co-ordinate Reference:</b>	Site Squints 4/5 Fee #825H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	WELL @ 3136.0usft (Original Well Elev)
<b>Project:</b>	Eddy County, New Mexico NAD 83	<b>MD Reference:</b>	WELL @ 3136.0usft (Original Well Elev)
<b>Site:</b>	Squints 4/5 Fee #825H	<b>North Reference:</b>	Grid
<b>Well:</b>	Sec 3, T22S, R27E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	BHL: 2321' FSL & 2318' FEL, Sec 5		
<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)	
5,100.0	8.51	349.28	5,067.3	441.7	-83.6	135.8	0.00	0.00	0.00	
5,200.0	8.51	349.28	5,166.2	456.2	-86.4	140.3	0.00	0.00	0.00	
5,300.0	8.51	349.28	5,265.1	470.8	-89.2	144.7	0.00	0.00	0.00	
5,400.0	8.51	349.28	5,364.0	485.3	-91.9	149.2	0.00	0.00	0.00	
5,500.0	8.51	349.28	5,462.9	499.9	-94.7	153.7	0.00	0.00	0.00	
5,600.0	8.51	349.28	5,561.8	514.4	-97.4	158.1	0.00	0.00	0.00	
5,700.0	8.51	349.28	5,660.7	529.0	-100.2	162.6	0.00	0.00	0.00	
5,800.0	8.51	349.28	5,759.6	543.5	-102.9	167.1	0.00	0.00	0.00	
5,900.0	8.51	349.28	5,858.5	558.0	-105.7	171.5	0.00	0.00	0.00	
6,000.0	8.51	349.28	5,957.4	572.6	-108.4	176.0	0.00	0.00	0.00	
6,100.0	8.51	349.28	6,056.3	587.1	-111.2	180.5	0.00	0.00	0.00	
6,200.0	8.51	349.28	6,155.2	601.7	-113.9	185.0	0.00	0.00	0.00	
6,300.0	8.51	349.28	6,254.1	616.2	-116.7	189.4	0.00	0.00	0.00	
6,400.0	8.51	349.28	6,353.0	630.7	-119.4	193.9	0.00	0.00	0.00	
6,500.0	8.51	349.28	6,451.9	645.3	-122.2	198.4	0.00	0.00	0.00	
6,600.0	8.51	349.28	6,550.8	659.8	-124.9	202.8	0.00	0.00	0.00	
6,700.0	8.51	349.28	6,649.7	674.4	-127.7	207.3	0.00	0.00	0.00	
6,800.0	8.51	349.28	6,748.6	688.9	-130.5	211.8	0.00	0.00	0.00	
6,900.0	8.51	349.28	6,847.5	703.4	-133.2	216.2	0.00	0.00	0.00	
7,000.0	8.51	349.28	6,946.4	718.0	-136.0	220.7	0.00	0.00	0.00	
7,100.0	8.51	349.28	7,045.3	732.5	-138.7	225.2	0.00	0.00	0.00	
7,200.0	8.51	349.28	7,144.2	747.1	-141.5	229.7	0.00	0.00	0.00	
7,300.0	8.51	349.28	7,243.1	761.6	-144.2	234.1	0.00	0.00	0.00	
7,400.0	8.51	349.28	7,342.0	776.2	-147.0	238.6	0.00	0.00	0.00	
7,500.0	8.51	349.28	7,440.9	790.7	-149.7	243.1	0.00	0.00	0.00	
7,600.0	8.51	349.28	7,539.8	805.2	-152.5	247.5	0.00	0.00	0.00	
7,700.0	8.51	349.28	7,638.7	819.8	-155.2	252.0	0.00	0.00	0.00	
7,800.0	8.51	349.28	7,737.6	834.3	-158.0	256.5	0.00	0.00	0.00	
7,900.0	8.51	349.28	7,836.5	848.9	-160.7	260.9	0.00	0.00	0.00	
8,000.0	8.51	349.28	7,935.4	863.4	-163.5	265.4	0.00	0.00	0.00	
8,100.0	8.51	349.28	8,034.3	877.9	-166.3	269.9	0.00	0.00	0.00	
8,200.0	8.51	349.28	8,133.2	892.5	-169.0	274.4	0.00	0.00	0.00	
8,300.0	8.51	349.28	8,232.1	907.0	-171.8	278.8	0.00	0.00	0.00	
8,400.0	8.51	349.28	8,331.0	921.6	-174.5	283.3	0.00	0.00	0.00	
8,458.7	8.51	349.28	8,389.1	930.1	-176.1	285.9	0.00	0.00	0.00	
8,500.0	7.69	349.28	8,429.9	935.8	-177.2	287.7	2.00	-2.00	0.00	
8,600.0	5.69	349.28	8,529.3	947.3	-179.4	291.2	2.00	-2.00	0.00	
8,700.0	3.69	349.28	8,628.9	955.3	-180.9	293.7	2.00	-2.00	0.00	
8,800.0	1.69	349.28	8,728.8	959.9	-181.8	295.1	2.00	-2.00	0.00	
8,884.3	0.00	0.00	8,813.0	961.1	-182.0	295.4	2.00	-2.00	0.00	
<b>KOP: 2310' FSL &amp; 243' FWL (3)</b>										
8,900.0	1.57	270.05	8,828.8	961.1	-182.2	295.7	10.00	10.00	0.00	
8,950.0	6.57	270.05	8,878.6	961.1	-185.8	299.2	10.00	10.00	0.00	
9,000.0	11.57	270.05	8,928.0	961.1	-193.6	307.0	10.00	10.00	0.00	
9,050.0	16.57	270.05	8,976.5	961.1	-205.8	319.1	10.00	10.00	0.00	
9,100.0	21.57	270.05	9,023.7	961.1	-222.1	335.3	10.00	10.00	0.00	
9,150.0	26.57	270.05	9,069.4	961.2	-242.5	355.5	10.00	10.00	0.00	
9,200.0	31.57	270.05	9,113.0	961.2	-266.8	379.7	10.00	10.00	0.00	
9,250.0	36.57	270.05	9,154.5	961.2	-294.8	407.5	10.00	10.00	0.00	
9,300.0	41.57	270.05	9,193.3	961.2	-326.3	438.8	10.00	10.00	0.00	
9,350.0	46.57	270.05	9,229.2	961.3	-361.1	473.3	10.00	10.00	0.00	
9,400.0	51.57	270.05	9,261.9	961.3	-398.8	510.8	10.00	10.00	0.00	
9,450.0	56.57	270.05	9,291.2	961.3	-439.3	551.0	10.00	10.00	0.00	

Planning Report

<b>Database:</b>	Hobbs	<b>Local Co-ordinate Reference:</b>	Site Squints 4/5 Fee #825H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	WELL @ 3136.0usft (Original Well Elev)
<b>Project:</b>	Eddy County, New Mexico NAD 83	<b>MD Reference:</b>	WELL @ 3136.0usft (Original Well Elev)
<b>Site:</b>	Squints 4/5 Fee #825H	<b>North Reference:</b>	Grid
<b>Well:</b>	Sec 3, T22S, R27E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	BHL: 2321' FSL & 2318' FEL, Sec 5		
<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)	
9,500.0	61.57	270.05	9,316.9	961.4	-482.2	593.5	10.00	10.00	0.00	
9,550.0	66.57	270.05	9,338.8	961.4	-527.1	638.2	10.00	10.00	0.00	
9,600.0	71.57	270.05	9,356.7	961.5	-573.8	684.5	10.00	10.00	0.00	
9,650.0	76.57	270.05	9,370.4	961.5	-621.9	732.2	10.00	10.00	0.00	
9,700.0	81.57	270.05	9,379.9	961.6	-671.0	781.0	10.00	10.00	0.00	
9,750.0	86.57	270.05	9,385.0	961.6	-720.7	830.3	10.00	10.00	0.00	
9,784.2	89.99	270.05	9,386.1	961.6	-754.9	864.3	10.00	10.00	0.00	
<b>LP/FTP: 2310' FSL &amp; 330' FEL (4)</b>										
9,792.2	90.79	270.05	9,386.0	961.6	-762.9	872.2	10.00	10.00	0.00	
9,800.0	90.79	270.05	9,385.9	961.6	-770.7	880.0	0.00	0.00	0.00	
9,900.0	90.79	270.05	9,384.5	961.7	-870.7	979.3	0.00	0.00	0.00	
10,000.0	90.79	270.05	9,383.1	961.8	-970.6	1,078.5	0.00	0.00	0.00	
10,100.0	90.79	270.05	9,381.8	961.9	-1,070.6	1,177.8	0.00	0.00	0.00	
10,200.0	90.79	270.05	9,380.4	962.0	-1,170.6	1,277.1	0.00	0.00	0.00	
10,300.0	90.79	270.05	9,379.0	962.1	-1,270.6	1,376.4	0.00	0.00	0.00	
10,400.0	90.79	270.05	9,377.7	962.2	-1,370.6	1,475.7	0.00	0.00	0.00	
10,500.0	90.79	270.05	9,376.3	962.3	-1,470.6	1,575.0	0.00	0.00	0.00	
10,600.0	90.79	270.05	9,374.9	962.4	-1,570.6	1,674.3	0.00	0.00	0.00	
10,700.0	90.79	270.05	9,373.5	962.5	-1,670.6	1,773.5	0.00	0.00	0.00	
10,800.0	90.79	270.05	9,372.2	962.6	-1,770.6	1,872.8	0.00	0.00	0.00	
10,900.0	90.79	270.05	9,370.8	962.7	-1,870.6	1,972.1	0.00	0.00	0.00	
11,000.0	90.79	270.05	9,369.4	962.8	-1,970.6	2,071.4	0.00	0.00	0.00	
11,100.0	90.79	270.05	9,368.1	962.9	-2,070.5	2,170.7	0.00	0.00	0.00	
11,200.0	90.79	270.05	9,366.7	962.9	-2,170.5	2,270.0	0.00	0.00	0.00	
11,300.0	90.79	270.05	9,365.3	963.0	-2,270.5	2,369.3	0.00	0.00	0.00	
11,400.0	90.79	270.05	9,363.9	963.1	-2,370.5	2,468.6	0.00	0.00	0.00	
11,500.0	90.79	270.05	9,362.6	963.2	-2,470.5	2,567.8	0.00	0.00	0.00	
11,600.0	90.79	270.05	9,361.2	963.3	-2,570.5	2,667.1	0.00	0.00	0.00	
11,700.0	90.79	270.05	9,359.8	963.4	-2,670.5	2,766.4	0.00	0.00	0.00	
11,800.0	90.79	270.05	9,358.5	963.5	-2,770.5	2,865.7	0.00	0.00	0.00	
11,900.0	90.79	270.05	9,357.1	963.6	-2,870.5	2,965.0	0.00	0.00	0.00	
12,000.0	90.79	270.05	9,355.7	963.7	-2,970.5	3,064.3	0.00	0.00	0.00	
12,100.0	90.79	270.05	9,354.3	963.8	-3,070.5	3,163.6	0.00	0.00	0.00	
12,200.0	90.79	270.05	9,353.0	963.9	-3,170.4	3,262.8	0.00	0.00	0.00	
12,300.0	90.79	270.05	9,351.6	964.0	-3,270.4	3,362.1	0.00	0.00	0.00	
12,400.0	90.79	270.05	9,350.2	964.1	-3,370.4	3,461.4	0.00	0.00	0.00	
12,500.0	90.79	270.05	9,348.9	964.1	-3,470.4	3,560.7	0.00	0.00	0.00	
12,600.0	90.79	270.05	9,347.5	964.2	-3,570.4	3,660.0	0.00	0.00	0.00	
12,700.0	90.79	270.05	9,346.1	964.3	-3,670.4	3,759.3	0.00	0.00	0.00	
12,800.0	90.79	270.05	9,344.7	964.4	-3,770.4	3,858.6	0.00	0.00	0.00	
12,900.0	90.79	270.05	9,343.4	964.5	-3,870.4	3,957.8	0.00	0.00	0.00	
13,000.0	90.79	270.05	9,342.0	964.6	-3,970.4	4,057.1	0.00	0.00	0.00	
13,100.0	90.79	270.05	9,340.6	964.7	-4,070.4	4,156.4	0.00	0.00	0.00	
13,200.0	90.79	270.05	9,339.3	964.8	-4,170.3	4,255.7	0.00	0.00	0.00	
13,300.0	90.79	270.05	9,337.9	964.9	-4,270.3	4,355.0	0.00	0.00	0.00	
13,400.0	90.79	270.05	9,336.5	965.0	-4,370.3	4,454.3	0.00	0.00	0.00	
13,500.0	90.79	270.05	9,335.1	965.1	-4,470.3	4,553.6	0.00	0.00	0.00	
13,600.0	90.79	270.05	9,333.8	965.2	-4,570.3	4,652.9	0.00	0.00	0.00	
13,700.0	90.79	270.05	9,332.4	965.3	-4,670.3	4,752.1	0.00	0.00	0.00	
13,800.0	90.79	270.05	9,331.0	965.4	-4,770.3	4,851.4	0.00	0.00	0.00	
13,900.0	90.79	270.05	9,329.7	965.4	-4,870.3	4,950.7	0.00	0.00	0.00	
14,000.0	90.79	270.05	9,328.3	965.5	-4,970.3	5,050.0	0.00	0.00	0.00	
14,100.0	90.79	270.05	9,326.9	965.6	-5,070.3	5,149.3	0.00	0.00	0.00	
14,200.0	90.79	270.05	9,325.5	965.7	-5,170.3	5,248.6	0.00	0.00	0.00	

Planning Report

<b>Database:</b>	Hobbs	<b>Local Co-ordinate Reference:</b>	Site Squints 4/5 Fee #825H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	WELL @ 3136.0usft (Original Well Elev)
<b>Project:</b>	Eddy County, New Mexico NAD 83	<b>MD Reference:</b>	WELL @ 3136.0usft (Original Well Elev)
<b>Site:</b>	Squints 4/5 Fee #825H	<b>North Reference:</b>	Grid
<b>Well:</b>	Sec 3, T22S, R27E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	BHL: 2321' FSL & 2318' FEL, Sec 5		
<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)
14,300.0	90.79	270.05	9,324.2	965.8	-5,270.2	5,347.9	0.00	0.00	0.00
14,400.0	90.79	270.05	9,322.8	965.9	-5,370.2	5,447.1	0.00	0.00	0.00
14,500.0	90.79	270.05	9,321.4	966.0	-5,470.2	5,546.4	0.00	0.00	0.00
14,600.0	90.79	270.05	9,320.1	966.1	-5,570.2	5,645.7	0.00	0.00	0.00
14,700.0	90.79	270.05	9,318.7	966.2	-5,670.2	5,745.0	0.00	0.00	0.00
14,800.0	90.79	270.05	9,317.3	966.3	-5,770.2	5,844.3	0.00	0.00	0.00
14,900.0	90.79	270.05	9,315.9	966.4	-5,870.2	5,943.6	0.00	0.00	0.00
15,000.0	90.79	270.05	9,314.6	966.5	-5,970.2	6,042.9	0.00	0.00	0.00
15,100.0	90.79	270.05	9,313.2	966.6	-6,070.2	6,142.1	0.00	0.00	0.00
15,200.0	90.79	270.05	9,311.8	966.7	-6,170.2	6,241.4	0.00	0.00	0.00
15,300.0	90.79	270.05	9,310.5	966.7	-6,270.1	6,340.7	0.00	0.00	0.00
15,400.0	90.79	270.05	9,309.1	966.8	-6,370.1	6,440.0	0.00	0.00	0.00
15,500.0	90.79	270.05	9,307.7	966.9	-6,470.1	6,539.3	0.00	0.00	0.00
15,600.0	90.79	270.05	9,306.3	967.0	-6,570.1	6,638.6	0.00	0.00	0.00
15,700.0	90.79	270.05	9,305.0	967.1	-6,670.1	6,737.9	0.00	0.00	0.00
15,800.0	90.79	270.05	9,303.6	967.2	-6,770.1	6,837.2	0.00	0.00	0.00
15,900.0	90.79	270.05	9,302.2	967.3	-6,870.1	6,936.4	0.00	0.00	0.00
16,000.0	90.79	270.05	9,300.9	967.4	-6,970.1	7,035.7	0.00	0.00	0.00
16,100.0	90.79	270.05	9,299.5	967.5	-7,070.1	7,135.0	0.00	0.00	0.00
16,200.0	90.79	270.05	9,298.1	967.6	-7,170.1	7,234.3	0.00	0.00	0.00
16,300.0	90.79	270.05	9,296.7	967.7	-7,270.1	7,333.6	0.00	0.00	0.00
16,400.0	90.79	270.05	9,295.4	967.8	-7,370.0	7,432.9	0.00	0.00	0.00
16,500.0	90.79	270.05	9,294.0	967.9	-7,470.0	7,532.2	0.00	0.00	0.00
16,600.0	90.79	270.05	9,292.6	968.0	-7,570.0	7,631.4	0.00	0.00	0.00
16,700.0	90.79	270.05	9,291.3	968.0	-7,670.0	7,730.7	0.00	0.00	0.00
16,800.0	90.79	270.05	9,289.9	968.1	-7,770.0	7,830.0	0.00	0.00	0.00
16,900.0	90.79	270.05	9,288.5	968.2	-7,870.0	7,929.3	0.00	0.00	0.00
17,000.0	90.79	270.05	9,287.1	968.3	-7,970.0	8,028.6	0.00	0.00	0.00
17,082.8	90.79	270.05	9,286.0	968.4	-8,052.8	8,110.8	0.00	0.00	0.00
BHL: 2321' FSL & 2318' FEL (5)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL: 1350' FSL & 405' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	515,990.10	587,210.00	32.4184359	-104.1846728
KOP: 2310' FSL & 243' F - plan hits target center - Point	0.00	0.00	8,813.0	961.1	-182.0	516,951.20	587,028.00	32.4210785	-104.1852583
BHL: 2321' FSL & 2318' - plan hits target center - Point	0.00	0.00	9,286.0	968.4	-8,052.8	516,958.50	579,157.20	32.4211260	-104.2107661
LP/FTP: 2310' FSL & 33 - plan hits target center - Point	0.00	0.00	9,386.1	961.6	-754.9	516,951.73	586,455.10	32.4210822	-104.1871149



**District I**  
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**District IV**  
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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 339597

**CONDITIONS**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 339597
	Action Type: [C-103] NOI Change of Plans (C-103A)

**CONDITIONS**

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement is not circulated to surface during cementing operations, then a CBL is required.	5/7/2024