

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. 30-025-54500
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Squints 4/5 Fee
8. Well Number 858H
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 ☒ Other	
2. Name of Operator Mewbourne Oil Company	
3. Address of Operator PO Box 5270, Hobbs, NM 88241	
4. Well Location Unit Letter <u>L</u> : <u>1310</u> feet from the <u>South</u> line and <u>405</u> feet from the <u>West</u> line Section <u>3</u> Township <u>22S</u> Range <u>27E</u> 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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
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 requests approval to make the following changes to the approved APD:

- 1) Change well name from Squints 4/5 Fee #858H to Squints 4/5 Fee #827H
- 2) Change BHL from 660' FSL & 2313' FEL, Sec 5, T22S, R27E to 990' FSL & 2314' FEL, Sec 5, T22S, R27E
- 3) Adjust 7" production csg & liner setting depths as shown 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	475	390	0
Intermediate	Brine	12.25	9 5/8"	J55	36	0	1800	410	0
Production	Cut Brine	8.75	7"	P110	26	0	9730	900	1600
Liner	OBM	6.125	4 1/2"	P110	13.5	8825	17015	330	8825

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 _____ 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
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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

¹ API Number 30-015-54500	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 335057	⁵ Property Name SQUINTS 4/5 FEE	⁶ Well Number 827H
⁷ OGRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3108'

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
L	3	22S	27E		1310	SOUTH	405	WEST	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
0	5	22S	27E		990	SOUTH	2314	EAST	EDDY
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.

16 <u>GEODETIC DATA</u> NAD 83 GRID — NM EAST <u>SURFACE LOCATION (SL)</u> N: 515950.2 — E: 587210.8 LAT: 32.4183261° N LONG: 104.1846702° W <u>KICK OFF POINT (KOP)</u> 990' FSL & 243' FWL SEC. 3 N: 515631.8 — E: 587055.6 LAT: 32.4174516° N LONG: 104.1851748° W <u>FIRST TAKE POINT (FTP)</u> 990' FSL & 330' FEL SEC. 4 N: 515637.6 — E: 586482.7 LAT: 32.4174696° N LONG: 104.1870312° W <u>BOTTOM HOLE (BH)</u> N: 515628.8 — E: 579193.2 LAT: 32.4174708° N LONG: 104.2106545° W <u>CORNER DATA</u> NAD 83 GRID — NM EAST A: FOUND 1" PIPE N: 514658.2 — E: 576248.6 B: FOUND 1/2" REBAR N: 519847.0 — E: 576084.2 C: FOUND ALUMN CAP "PS 8510" N: 519860.3 — E: 578748.8 D: FOUND 1" PIPE N: 519870.8 — E: 581409.2 E: FOUND 2 7/8" PIPE N: 519890.4 — E: 586723.6 F: FOUND BRASS CAP "1943" N: 519898.7 — E: 589389.6 G: FOUND BRASS CAP "1943" N: 519919.3 — E: 592053.3 H: FOUND 1/2" REBAR N: 514605.4 — E: 592087.5 I: FOUND 1/2" REBAR N: 514619.5 — E: 589464.7 J: FOUND 1/2" REBAR N: 514644.6 — E: 586833.4 K: FOUND 2" IRON PIPE N: 514672.0 — E: 584188.3 L: FOUND 1" IRON PIPE N: 514624.6 — E: 581530.3 M: FOUND 1" IRON PIPE N: 514641.5 — E: 578890.0 <u>CALCULATED POINTS</u> 1.) N: 517283.4 — E: 586778.1 2.) N: 517282.8 — E: 584123.4 3.) N: 517282.1 — E: 581466.7 4.) N: 517289.2 — E: 578818.4	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. <i>Andrew W Taylor</i> 5/1/2024 Signature Date Andrew Taylor Printed Name ataylor@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. 12/05/2023 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number REV: NAME/BH/KOP/FTP CHANGE 3/5/24 Job No.: LS23121031D
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Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Squints 4/5 Fee #827H

Sec 3, T22S, R27E

SHL: 1310' FSL & 405' FWL, Sec 3

BHL: 990' FSL & 2314' FEL, Sec 5

Plan: Design #1

Standard Planning Report

22 March, 2024

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Squints 4/5 Fee #827H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3136.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3136.0usft (Original Well Elev)
Site:	Squints 4/5 Fee #827H	North Reference:	Grid
Well:	Sec 3, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 990' FSL & 2314' FEL, Sec 5		
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	Squints 4/5 Fee #827H			
Site Position:	Northing:	515,950.20 usft	Latitude:	32.4183263
From: Map	Easting:	587,210.80 usft	Longitude:	-104.1846704
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	

Well	Sec 3, T22S, R27E					
Well Position	+N/-S	0.0 usft	Northing:	515,950.20 usft	Latitude:	32.4183263
	+E/-W	0.0 usft	Easting:	587,210.80 usft	Longitude:	-104.1846704
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,136.0 usft	Ground Level:	3,108.0 usft	
Grid Convergence:	0.08 °					

Wellbore	BHL: 990' FSL & 2314' FEL, Sec 5				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.45	60.18	48,289.52760818

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	267.70

Plan Survey Tool Program	Date	3/22/2024		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,012.3	Design #1 (BHL: 990' FSL & 2314	

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	
1,850.0	0.00	0.00	1,850.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,998.8	2.98	205.99	1,998.7	-3.5	-1.7	2.00	2.00	0.00	205.99	
8,673.4	2.98	205.99	8,664.3	-314.9	-153.5	0.00	0.00	0.00	0.00	
8,822.2	0.00	0.00	8,813.0	-318.4	-155.2	2.00	-2.00	0.00	180.00	KOP: 990' FSL & 243'
9,730.1	90.79	269.98	9,386.0	-318.6	-736.1	10.00	10.00	0.00	-90.02	
17,012.3	90.79	269.98	9,286.0	-321.4	-8,017.6	0.00	0.00	0.00	0.00	BHL: 990' FSL & 2314'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Squints 4/5 Fee #827H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3136.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3136.0usft (Original Well Elev)
Site:	Squints 4/5 Fee #827H	North Reference:	Grid
Well:	Sec 3, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 990' FSL & 2314' FEL, Sec 5		
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: 1310' FSL & 405' FWL (3)									
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	205.99	1,900.0	-0.4	-0.2	0.2	2.00	2.00	0.00
1,998.8	2.98	205.99	1,998.7	-3.5	-1.7	1.8	2.00	2.00	0.00
2,000.0	2.98	205.99	1,999.9	-3.5	-1.7	1.9	0.00	0.00	0.00
2,100.0	2.98	205.99	2,099.8	-8.2	-4.0	4.3	0.00	0.00	0.00
2,200.0	2.98	205.99	2,199.7	-12.9	-6.3	6.8	0.00	0.00	0.00
2,300.0	2.98	205.99	2,299.5	-17.5	-8.5	9.2	0.00	0.00	0.00
2,400.0	2.98	205.99	2,399.4	-22.2	-10.8	11.7	0.00	0.00	0.00
2,500.0	2.98	205.99	2,499.3	-26.9	-13.1	14.2	0.00	0.00	0.00
2,600.0	2.98	205.99	2,599.1	-31.5	-15.4	16.6	0.00	0.00	0.00
2,700.0	2.98	205.99	2,699.0	-36.2	-17.6	19.1	0.00	0.00	0.00
2,800.0	2.98	205.99	2,798.9	-40.9	-19.9	21.5	0.00	0.00	0.00
2,900.0	2.98	205.99	2,898.7	-45.5	-22.2	24.0	0.00	0.00	0.00
3,000.0	2.98	205.99	2,998.6	-50.2	-24.5	26.5	0.00	0.00	0.00
3,100.0	2.98	205.99	3,098.4	-54.9	-26.7	28.9	0.00	0.00	0.00
3,200.0	2.98	205.99	3,198.3	-59.5	-29.0	31.4	0.00	0.00	0.00
3,300.0	2.98	205.99	3,298.2	-64.2	-31.3	33.8	0.00	0.00	0.00
3,400.0	2.98	205.99	3,398.0	-68.9	-33.6	36.3	0.00	0.00	0.00
3,500.0	2.98	205.99	3,497.9	-73.5	-35.8	38.8	0.00	0.00	0.00
3,600.0	2.98	205.99	3,597.8	-78.2	-38.1	41.2	0.00	0.00	0.00
3,700.0	2.98	205.99	3,697.6	-82.9	-40.4	43.7	0.00	0.00	0.00
3,800.0	2.98	205.99	3,797.5	-87.5	-42.7	46.1	0.00	0.00	0.00
3,900.0	2.98	205.99	3,897.4	-92.2	-44.9	48.6	0.00	0.00	0.00
4,000.0	2.98	205.99	3,997.2	-96.9	-47.2	51.1	0.00	0.00	0.00
4,100.0	2.98	205.99	4,097.1	-101.5	-49.5	53.5	0.00	0.00	0.00
4,200.0	2.98	205.99	4,197.0	-106.2	-51.8	56.0	0.00	0.00	0.00
4,300.0	2.98	205.99	4,296.8	-110.9	-54.0	58.4	0.00	0.00	0.00
4,400.0	2.98	205.99	4,396.7	-115.5	-56.3	60.9	0.00	0.00	0.00
4,500.0	2.98	205.99	4,496.6	-120.2	-58.6	63.4	0.00	0.00	0.00
4,600.0	2.98	205.99	4,596.4	-124.9	-60.9	65.8	0.00	0.00	0.00
4,700.0	2.98	205.99	4,696.3	-129.5	-63.1	68.3	0.00	0.00	0.00
4,800.0	2.98	205.99	4,796.2	-134.2	-65.4	70.7	0.00	0.00	0.00
4,900.0	2.98	205.99	4,896.0	-138.9	-67.7	73.2	0.00	0.00	0.00
5,000.0	2.98	205.99	4,995.9	-143.5	-70.0	75.6	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Squints 4/5 Fee #827H
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Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3136.0usft (Original Well Elev)
Site:	Squints 4/5 Fee #827H	North Reference:	Grid
Well:	Sec 3, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 990' FSL & 2314' FEL, Sec 5		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	2.98	205.99	5,095.8	-148.2	-72.2	78.1	0.00	0.00	0.00
5,200.0	2.98	205.99	5,195.6	-152.8	-74.5	80.6	0.00	0.00	0.00
5,300.0	2.98	205.99	5,295.5	-157.5	-76.8	83.0	0.00	0.00	0.00
5,400.0	2.98	205.99	5,395.3	-162.2	-79.1	85.5	0.00	0.00	0.00
5,500.0	2.98	205.99	5,495.2	-166.8	-81.3	87.9	0.00	0.00	0.00
5,600.0	2.98	205.99	5,595.1	-171.5	-83.6	90.4	0.00	0.00	0.00
5,700.0	2.98	205.99	5,694.9	-176.2	-85.9	92.9	0.00	0.00	0.00
5,800.0	2.98	205.99	5,794.8	-180.8	-88.2	95.3	0.00	0.00	0.00
5,900.0	2.98	205.99	5,894.7	-185.5	-90.4	97.8	0.00	0.00	0.00
6,000.0	2.98	205.99	5,994.5	-190.2	-92.7	100.2	0.00	0.00	0.00
6,100.0	2.98	205.99	6,094.4	-194.8	-95.0	102.7	0.00	0.00	0.00
6,200.0	2.98	205.99	6,194.3	-199.5	-97.2	105.2	0.00	0.00	0.00
6,300.0	2.98	205.99	6,294.1	-204.2	-99.5	107.6	0.00	0.00	0.00
6,400.0	2.98	205.99	6,394.0	-208.8	-101.8	110.1	0.00	0.00	0.00
6,500.0	2.98	205.99	6,493.9	-213.5	-104.1	112.5	0.00	0.00	0.00
6,600.0	2.98	205.99	6,593.7	-218.2	-106.3	115.0	0.00	0.00	0.00
6,700.0	2.98	205.99	6,693.6	-222.8	-108.6	117.5	0.00	0.00	0.00
6,800.0	2.98	205.99	6,793.5	-227.5	-110.9	119.9	0.00	0.00	0.00
6,900.0	2.98	205.99	6,893.3	-232.2	-113.2	122.4	0.00	0.00	0.00
7,000.0	2.98	205.99	6,993.2	-236.8	-115.4	124.8	0.00	0.00	0.00
7,100.0	2.98	205.99	7,093.1	-241.5	-117.7	127.3	0.00	0.00	0.00
7,200.0	2.98	205.99	7,192.9	-246.2	-120.0	129.8	0.00	0.00	0.00
7,300.0	2.98	205.99	7,292.8	-250.8	-122.3	132.2	0.00	0.00	0.00
7,400.0	2.98	205.99	7,392.7	-255.5	-124.5	134.7	0.00	0.00	0.00
7,500.0	2.98	205.99	7,492.5	-260.2	-126.8	137.1	0.00	0.00	0.00
7,600.0	2.98	205.99	7,592.4	-264.8	-129.1	139.6	0.00	0.00	0.00
7,700.0	2.98	205.99	7,692.2	-269.5	-131.4	142.1	0.00	0.00	0.00
7,800.0	2.98	205.99	7,792.1	-274.2	-133.6	144.5	0.00	0.00	0.00
7,900.0	2.98	205.99	7,892.0	-278.8	-135.9	147.0	0.00	0.00	0.00
8,000.0	2.98	205.99	7,991.8	-283.5	-138.2	149.4	0.00	0.00	0.00
8,100.0	2.98	205.99	8,091.7	-288.2	-140.5	151.9	0.00	0.00	0.00
8,200.0	2.98	205.99	8,191.6	-292.8	-142.7	154.4	0.00	0.00	0.00
8,300.0	2.98	205.99	8,291.4	-297.5	-145.0	156.8	0.00	0.00	0.00
8,400.0	2.98	205.99	8,391.3	-302.2	-147.3	159.3	0.00	0.00	0.00
8,500.0	2.98	205.99	8,491.2	-306.8	-149.6	161.7	0.00	0.00	0.00
8,600.0	2.98	205.99	8,591.0	-311.5	-151.8	164.2	0.00	0.00	0.00
8,673.4	2.98	205.99	8,664.3	-314.9	-153.5	166.0	0.00	0.00	0.00
8,700.0	2.44	205.99	8,690.9	-316.1	-154.1	166.6	2.00	-2.00	0.00
8,800.0	0.44	205.99	8,790.9	-318.3	-155.2	167.8	2.00	-2.00	0.00
8,822.2	0.00	0.00	8,813.0	-318.4	-155.2	167.8	2.00	-2.00	0.00
KOP: 990' FSL & 243' FWL (3)									
8,850.0	2.78	269.98	8,840.9	-318.4	-155.9	168.5	10.00	10.00	0.00
8,900.0	7.78	269.98	8,890.6	-318.4	-160.5	173.1	10.00	10.00	0.00
8,950.0	12.78	269.98	8,939.8	-318.4	-169.4	182.0	10.00	10.00	0.00
9,000.0	17.78	269.98	8,988.0	-318.4	-182.6	195.2	10.00	10.00	0.00
9,050.0	22.78	269.98	9,034.9	-318.4	-199.9	212.5	10.00	10.00	0.00
9,100.0	27.78	269.98	9,080.1	-318.4	-221.2	233.8	10.00	10.00	0.00
9,150.0	32.78	269.98	9,123.3	-318.4	-246.4	259.0	10.00	10.00	0.00
9,200.0	37.78	269.98	9,164.1	-318.4	-275.3	287.8	10.00	10.00	0.00
9,250.0	42.78	269.98	9,202.2	-318.5	-307.6	320.1	10.00	10.00	0.00
9,300.0	47.78	269.98	9,237.4	-318.5	-343.1	355.6	10.00	10.00	0.00
9,350.0	52.78	269.98	9,269.3	-318.5	-381.6	394.0	10.00	10.00	0.00
9,400.0	57.78	269.98	9,297.8	-318.5	-422.7	435.1	10.00	10.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Squints 4/5 Fee #827H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3136.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3136.0usft (Original Well Elev)
Site:	Squints 4/5 Fee #827H	North Reference:	Grid
Well:	Sec 3, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 990' FSL & 2314' FEL, Sec 5		
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)
9,450.0	62.78	269.98	9,322.6	-318.5	-466.1	478.5	10.00	10.00	0.00
9,500.0	67.78	269.98	9,343.5	-318.5	-511.5	523.8	10.00	10.00	0.00
9,550.0	72.78	269.98	9,360.4	-318.6	-558.5	570.8	10.00	10.00	0.00
9,600.0	77.78	269.98	9,373.1	-318.6	-606.9	619.2	10.00	10.00	0.00
9,650.0	82.77	269.98	9,381.5	-318.6	-656.1	668.4	10.00	10.00	0.00
9,700.0	87.77	269.98	9,385.6	-318.6	-706.0	718.2	10.00	10.00	0.00
9,722.3	90.01	269.98	9,386.1	-318.6	-728.3	740.5	10.00	10.00	0.00
LP/FTP: 990' FSL & 330' FEL (4)									
9,730.1	90.79	269.98	9,386.0	-318.6	-736.1	748.3	10.00	10.00	0.00
9,800.0	90.79	269.98	9,385.0	-318.6	-805.9	818.1	0.00	0.00	0.00
9,900.0	90.79	269.98	9,383.7	-318.7	-905.9	918.0	0.00	0.00	0.00
10,000.0	90.79	269.98	9,382.3	-318.7	-1,005.9	1,017.9	0.00	0.00	0.00
10,100.0	90.79	269.98	9,380.9	-318.8	-1,105.9	1,117.8	0.00	0.00	0.00
10,200.0	90.79	269.98	9,379.5	-318.8	-1,205.9	1,217.7	0.00	0.00	0.00
10,300.0	90.79	269.98	9,378.2	-318.8	-1,305.9	1,317.6	0.00	0.00	0.00
10,400.0	90.79	269.98	9,376.8	-318.9	-1,405.9	1,417.5	0.00	0.00	0.00
10,500.0	90.79	269.98	9,375.4	-318.9	-1,505.9	1,517.4	0.00	0.00	0.00
10,600.0	90.79	269.98	9,374.1	-319.0	-1,605.9	1,617.4	0.00	0.00	0.00
10,700.0	90.79	269.98	9,372.7	-319.0	-1,705.9	1,717.3	0.00	0.00	0.00
10,800.0	90.79	269.98	9,371.3	-319.0	-1,805.9	1,817.2	0.00	0.00	0.00
10,900.0	90.79	269.98	9,369.9	-319.1	-1,905.8	1,917.1	0.00	0.00	0.00
11,000.0	90.79	269.98	9,368.6	-319.1	-2,005.8	2,017.0	0.00	0.00	0.00
11,100.0	90.79	269.98	9,367.2	-319.1	-2,105.8	2,116.9	0.00	0.00	0.00
11,200.0	90.79	269.98	9,365.8	-319.2	-2,205.8	2,216.8	0.00	0.00	0.00
11,300.0	90.79	269.98	9,364.4	-319.2	-2,305.8	2,316.7	0.00	0.00	0.00
11,400.0	90.79	269.98	9,363.1	-319.3	-2,405.8	2,416.7	0.00	0.00	0.00
11,500.0	90.79	269.98	9,361.7	-319.3	-2,505.8	2,516.6	0.00	0.00	0.00
11,600.0	90.79	269.98	9,360.3	-319.3	-2,605.8	2,616.5	0.00	0.00	0.00
11,700.0	90.79	269.98	9,358.9	-319.4	-2,705.8	2,716.4	0.00	0.00	0.00
11,800.0	90.79	269.98	9,357.6	-319.4	-2,805.8	2,816.3	0.00	0.00	0.00
11,900.0	90.79	269.98	9,356.2	-319.4	-2,905.7	2,916.2	0.00	0.00	0.00
12,000.0	90.79	269.98	9,354.8	-319.5	-3,005.7	3,016.1	0.00	0.00	0.00
12,100.0	90.79	269.98	9,353.5	-319.5	-3,105.7	3,116.0	0.00	0.00	0.00
12,200.0	90.79	269.98	9,352.1	-319.6	-3,205.7	3,215.9	0.00	0.00	0.00
12,300.0	90.79	269.98	9,350.7	-319.6	-3,305.7	3,315.9	0.00	0.00	0.00
12,400.0	90.79	269.98	9,349.3	-319.6	-3,405.7	3,415.8	0.00	0.00	0.00
12,500.0	90.79	269.98	9,348.0	-319.7	-3,505.7	3,515.7	0.00	0.00	0.00
12,600.0	90.79	269.98	9,346.6	-319.7	-3,605.7	3,615.6	0.00	0.00	0.00
12,700.0	90.79	269.98	9,345.2	-319.8	-3,705.7	3,715.5	0.00	0.00	0.00
12,800.0	90.79	269.98	9,343.8	-319.8	-3,805.7	3,815.4	0.00	0.00	0.00
12,900.0	90.79	269.98	9,342.5	-319.8	-3,905.7	3,915.3	0.00	0.00	0.00
13,000.0	90.79	269.98	9,341.1	-319.9	-4,005.6	4,015.2	0.00	0.00	0.00
13,100.0	90.79	269.98	9,339.7	-319.9	-4,105.6	4,115.2	0.00	0.00	0.00
13,200.0	90.79	269.98	9,338.4	-319.9	-4,205.6	4,215.1	0.00	0.00	0.00
13,300.0	90.79	269.98	9,337.0	-320.0	-4,305.6	4,315.0	0.00	0.00	0.00
13,400.0	90.79	269.98	9,335.6	-320.0	-4,405.6	4,414.9	0.00	0.00	0.00
13,500.0	90.79	269.98	9,334.2	-320.1	-4,505.6	4,514.8	0.00	0.00	0.00
13,600.0	90.79	269.98	9,332.9	-320.1	-4,605.6	4,614.7	0.00	0.00	0.00
13,700.0	90.79	269.98	9,331.5	-320.1	-4,705.6	4,714.6	0.00	0.00	0.00
13,800.0	90.79	269.98	9,330.1	-320.2	-4,805.6	4,814.5	0.00	0.00	0.00
13,900.0	90.79	269.98	9,328.7	-320.2	-4,905.6	4,914.4	0.00	0.00	0.00
14,000.0	90.79	269.98	9,327.4	-320.3	-5,005.5	5,014.4	0.00	0.00	0.00
14,100.0	90.79	269.98	9,326.0	-320.3	-5,105.5	5,114.3	0.00	0.00	0.00
14,200.0	90.79	269.98	9,324.6	-320.3	-5,205.5	5,214.2	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Squints 4/5 Fee #827H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3136.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3136.0usft (Original Well Elev)
Site:	Squints 4/5 Fee #827H	North Reference:	Grid
Well:	Sec 3, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 990' FSL & 2314' FEL, Sec 5		
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)	
14,300.0	90.79	269.98	9,323.2	-320.4	-5,305.5	5,314.1	0.00	0.00	0.00	
14,400.0	90.79	269.98	9,321.9	-320.4	-5,405.5	5,414.0	0.00	0.00	0.00	
14,500.0	90.79	269.98	9,320.5	-320.4	-5,505.5	5,513.9	0.00	0.00	0.00	
14,600.0	90.79	269.98	9,319.1	-320.5	-5,605.5	5,613.8	0.00	0.00	0.00	
14,700.0	90.79	269.98	9,317.8	-320.5	-5,705.5	5,713.7	0.00	0.00	0.00	
14,800.0	90.79	269.98	9,316.4	-320.6	-5,805.5	5,813.7	0.00	0.00	0.00	
14,900.0	90.79	269.98	9,315.0	-320.6	-5,905.5	5,913.6	0.00	0.00	0.00	
15,000.0	90.79	269.98	9,313.6	-320.6	-6,005.5	6,013.5	0.00	0.00	0.00	
15,100.0	90.79	269.98	9,312.3	-320.7	-6,105.4	6,113.4	0.00	0.00	0.00	
15,200.0	90.79	269.98	9,310.9	-320.7	-6,205.4	6,213.3	0.00	0.00	0.00	
15,300.0	90.79	269.98	9,309.5	-320.7	-6,305.4	6,313.2	0.00	0.00	0.00	
15,400.0	90.79	269.98	9,308.1	-320.8	-6,405.4	6,413.1	0.00	0.00	0.00	
15,500.0	90.79	269.98	9,306.8	-320.8	-6,505.4	6,513.0	0.00	0.00	0.00	
15,600.0	90.79	269.98	9,305.4	-320.9	-6,605.4	6,612.9	0.00	0.00	0.00	
15,700.0	90.79	269.98	9,304.0	-320.9	-6,705.4	6,712.9	0.00	0.00	0.00	
15,800.0	90.79	269.98	9,302.6	-320.9	-6,805.4	6,812.8	0.00	0.00	0.00	
15,900.0	90.79	269.98	9,301.3	-321.0	-6,905.4	6,912.7	0.00	0.00	0.00	
16,000.0	90.79	269.98	9,299.9	-321.0	-7,005.4	7,012.6	0.00	0.00	0.00	
16,100.0	90.79	269.98	9,298.5	-321.1	-7,105.4	7,112.5	0.00	0.00	0.00	
16,200.0	90.79	269.98	9,297.2	-321.1	-7,205.3	7,212.4	0.00	0.00	0.00	
16,300.0	90.79	269.98	9,295.8	-321.1	-7,305.3	7,312.3	0.00	0.00	0.00	
16,400.0	90.79	269.98	9,294.4	-321.2	-7,405.3	7,412.2	0.00	0.00	0.00	
16,500.0	90.79	269.98	9,293.0	-321.2	-7,505.3	7,512.2	0.00	0.00	0.00	
16,600.0	90.79	269.98	9,291.7	-321.2	-7,605.3	7,612.1	0.00	0.00	0.00	
16,700.0	90.79	269.98	9,290.3	-321.3	-7,705.3	7,712.0	0.00	0.00	0.00	
16,800.0	90.79	269.98	9,288.9	-321.3	-7,805.3	7,811.9	0.00	0.00	0.00	
16,900.0	90.79	269.98	9,287.5	-321.4	-7,905.3	7,911.8	0.00	0.00	0.00	
17,000.0	90.79	269.98	9,286.2	-321.4	-8,005.3	8,011.7	0.00	0.00	0.00	
17,012.3	90.79	269.98	9,286.0	-321.4	-8,017.6	8,024.0	0.00	0.00	0.00	
BHL: 990' FSL & 2314' FEL (5)										

Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- Shape										
SHL: 1310' FSL & 405' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	515,950.20	587,210.80	32.4183263		-104.1846704
KOP: 990' FSL & 243' F - plan hits target center - Point	0.00	0.00	8,813.0	-318.4	-155.2	515,631.80	587,055.60	32.4174516		-104.1851748
BHL: 990' FSL & 2314' F - plan hits target center - Point	0.00	0.00	9,286.0	-321.4	-8,017.6	515,628.80	579,193.20	32.4174708		-104.2106544
LP/FTP: 990' FSL & 330 - plan hits target center - Point	0.00	0.00	9,386.1	-318.6	-728.3	515,631.58	586,482.50	32.4174532		-104.1870320

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
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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

CONDITIONS

Action 339789

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 339789
	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