

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. 30-015-48053	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Mighty Ducks 15/16 W0HE State Com	
8. Well Number	1H
9. OGRID Number 14744	
10. Pool name or Wildcat PURPLE SAGE; WOLFCAMP GAS	
4. Well Location Unit Letter <u>E</u> : 1967 feet from the <u>North</u> line and 251 feet from the <u>West</u> line Section <u>14</u> Township <u>22S</u> Range <u>27E</u> NMPM County <u>EDDY</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3070' GL	

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 that the following changes be made to the Mighty Ducks 15/16 W0HE State Com #1H: BHL change to 2310' FNL & 330' FWL in Sec 16, T22S, R27E. Changes to directional design plot and plan corresponding to BHL change are included in sundry attachments. Changes to csg and cement program corresponding to BHL change are included as well.

Spud Date:

2/19/2023

Rig Release Date:

3/14/2023

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

SIGNATURE Josh Wagner TITLE Engineer DATE 9/30/2022

Type or print name Josh Wagner E-mail address: jwagner@mewbourne.com PHONE: 575-964-5162

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
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 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 30-015-48053	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP GAS
⁴ Property Code 330180	⁵ Property Name MIGHTY DUCKS 15/16 WOHE STATE COM	⁶ Well Number 1H
⁷ OGRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3070'

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
E	14	22S	27E		1967	NORTH	251	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
E	16	22S	27E		2310	NORTH	330	WEST	EDDY

¹² Dedicated Acres 640 960	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>CORNER DATA</u> NAD 83 GRID - NM EAST <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST N: 507371.5 - E: 592381.5 LAT: 32.3947241°N LONG: 104.1679566°W <u>SURFACE LOCATION</u> N: 507371.5 - E: 592381.5 LAT: 32.3947241°N LONG: 104.1679566°W <u>BOTTOM HOLE</u> N: 507005.4 - E: 581897.3 LAT: 32.3937578°N LONG: 104.2019255°W A: FOUND 1/2" REBAR N: 504029.4 - E: 581575.6 B: FOUND 1/2" REBAR N: 506671.5 - E: 581568.3 C: FOUND 1/2" REBAR N: 509313.0 - E: 581561.0 D: FOUND 1/2" REBAR N: 509327.9 - E: 584195.2 E: FOUND COTTON SPINDLE N: 509342.6 - E: 586839.8 F: FOUND COTTON SPINDLE N: 509339.9 - E: 589478.7 G: FOUND ALUMINUM CAP "PE & PS 5412" N: 509338.2 - E: 592118.7 H: FOUND 1/2" REBAR N: 509335.9 - E: 594770.7 I: FOUND COTTON SPINDLE N: 509333.7 - E: 597422.9 J: CALCULATED CORNER N: 504077.7 - E: 597425.4 K: FOUND COTTON SPINDLE N: 504073.7 - E: 592149.6 L: FOUND 1/2" REBAR N: 504029.0 - E: 589473.6 M: FOUND ALUMINUM CAP "8510" N: 503984.3 - E: 586797.8 N: FOUND RR SPIKE N: 504006.8 - E: 584186.3 O: FOUND 1/2" REBAR N: 506668.2 - E: 584195.6		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>Josh Wagner</i> 9/30/2022 Signature Date Josh Wagner Printed Name jwagner@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. 6-10-2020 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number REV: BH MOVE - 09/28/22 LS20060298R		

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

KZ 06/27/2018

Mewbourne Oil Company, Mighty Ducks 15/16 W0HE State Com #1H**Sec 14, T22S, R27E****SHL: 1967' FNL & 251' FWL, Sec 14****BHL: 2310' FNL & 330' FWL, Sec 16****Casing Program**

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
	From	To								
17.5"	0'	630'	13.375"	48	H40	STC	2.67	6.00	10.65	17.89
12.25"	0'	1800'	9.625"	36	J55	LTC	2.16	3.76	6.99	8.70
8.75"	0'	8400'	7"	26	P110	LTC	1.47	2.35	2.93	3.80
6.125"	8200'	19192'	4.5"	13.5	P110	LTC	1.94	2.25	2.28	2.84
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Mighty Ducks 15/16 W0HE State Com #1H

Sec 14, T22S, R27E

SHL: 1967' FNL & 251' FWL, Sec 14

BHL: 2310' FNL & 330' FWL, Sec 16

Plan: Design #1

Standard Planning Report

28 September, 2022

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Mighty Ducks 15/16 W0HE State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3098.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3098.0usft (Original Well Elev)
Site:	Mighty Ducks 15/16 W0HE State Com #1H	North Reference:	Grid
Well:	Sec 14, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 330' FWL, Sec 16		
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	Mighty Ducks 15/16 W0HE State Com #1H				
Site Position:		Northing:	507,371.50 usft	Latitude:	32.3947241
From:	Map	Easting:	592,381.50 usft	Longitude:	-104.1679566
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	Sec 14, T22S, R27E					
Well Position	+N/-S	0.0 usft	Northing:	507,371.50 usft	Latitude:	32.3947241
	+E/-W	0.0 usft	Easting:	592,381.50 usft	Longitude:	-104.1679566
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,098.0 usft	Ground Level:	3,070.0 usft
Grid Convergence:		0.09 °				

Wellbore	BHL: 2310' FNL & 330' FWL, Sec 16				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.44	60.16	48,276.93530634

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	268.00

Plan Survey Tool Program	Date	9/28/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	19,191.8	Design #1 (BHL: 2310' FNL & 330	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Mighty Ducks 15/16 W0HE State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3098.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3098.0usft (Original Well Elev)
Site:	Mighty Ducks 15/16 W0HE State Com #1H	North Reference:	Grid
Well:	Sec 14, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 330' FWL, Sec 16		
Design:	Design #1		

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	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,932.3	2.51	222.95	4,931.3	-50.1	-46.7	0.08	0.08	0.00	222.95	
5,344.1	2.51	222.95	5,342.7	-63.3	-58.9	0.00	0.00	0.00	0.00	
8,476.4	0.00	0.01	8,474.0	-113.4	-105.6	0.08	-0.08	0.00	180.00	KOP: 2080' FNL & 14
9,394.2	91.73	270.04	9,047.0	-113.0	-696.2	9.99	9.99	0.00	-89.96	
14,358.3	91.73	270.04	8,897.0	-109.6	-5,658.0	0.00	0.00	0.00	0.00	MidLatTarget: 2080' F
14,358.3	90.89	266.95	8,897.0	-109.6	-5,658.0	0.00	0.00	0.00	0.00	
19,191.8	90.89	266.95	8,822.0	-366.6	-10,484.1	0.00	0.00	0.00	0.00	
19,191.8	90.89	266.95	8,822.0	-366.6	-10,484.1	0.00	0.00	0.00	0.00	BHL: 2310' FNL & 330'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Mighty Ducks 15/16 W0HE State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3098.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3098.0usft (Original Well Elev)
Site:	Mighty Ducks 15/16 W0HE State Com #1H	North Reference:	Grid
Well:	Sec 14, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 330' FWL, Sec 16		
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: 1967' FNI & 251' FWL (14)									
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	0.08	222.95	1,900.0	-0.1	0.0	0.0	0.08	0.08	0.00
2,000.0	0.16	222.95	2,000.0	-0.2	-0.2	0.2	0.08	0.08	0.00
2,100.0	0.24	222.95	2,100.0	-0.5	-0.4	0.4	0.08	0.08	0.00
2,200.0	0.32	222.95	2,200.0	-0.8	-0.8	0.8	0.08	0.08	0.00
2,300.0	0.40	222.95	2,300.0	-1.3	-1.2	1.2	0.08	0.08	0.00
2,400.0	0.48	222.95	2,400.0	-1.8	-1.7	1.8	0.08	0.08	0.00
2,500.0	0.56	222.95	2,500.0	-2.5	-2.3	2.4	0.08	0.08	0.00
2,600.0	0.64	222.95	2,600.0	-3.3	-3.0	3.2	0.08	0.08	0.00
2,700.0	0.72	222.95	2,700.0	-4.1	-3.9	4.0	0.08	0.08	0.00
2,800.0	0.80	222.95	2,800.0	-5.1	-4.8	4.9	0.08	0.08	0.00
2,900.0	0.88	222.95	2,900.0	-6.2	-5.8	6.0	0.08	0.08	0.00
3,000.0	0.96	222.95	2,999.9	-7.4	-6.8	7.1	0.08	0.08	0.00
3,100.0	1.04	222.95	3,099.9	-8.6	-8.0	8.3	0.08	0.08	0.00
3,200.0	1.12	222.95	3,199.9	-10.0	-9.3	9.7	0.08	0.08	0.00
3,300.0	1.20	222.95	3,299.9	-11.5	-10.7	11.1	0.08	0.08	0.00
3,400.0	1.28	222.95	3,399.9	-13.1	-12.2	12.6	0.08	0.08	0.00
3,500.0	1.36	222.95	3,499.8	-14.8	-13.7	14.3	0.08	0.08	0.00
3,600.0	1.44	222.95	3,599.8	-16.6	-15.4	16.0	0.08	0.08	0.00
3,700.0	1.52	222.95	3,699.8	-18.4	-17.2	17.8	0.08	0.08	0.00
3,800.0	1.60	222.95	3,799.7	-20.4	-19.0	19.7	0.08	0.08	0.00
3,900.0	1.68	222.95	3,899.7	-22.5	-21.0	21.7	0.08	0.08	0.00
4,000.0	1.76	222.95	3,999.7	-24.7	-23.0	23.9	0.08	0.08	0.00
4,100.0	1.84	222.95	4,099.6	-27.0	-25.2	26.1	0.08	0.08	0.00
4,200.0	1.92	222.95	4,199.6	-29.4	-27.4	28.4	0.08	0.08	0.00
4,300.0	2.00	222.95	4,299.5	-31.9	-29.7	30.8	0.08	0.08	0.00
4,400.0	2.08	222.95	4,399.4	-34.5	-32.2	33.3	0.08	0.08	0.00
4,500.0	2.16	222.95	4,499.4	-37.2	-34.7	36.0	0.08	0.08	0.00
4,600.0	2.24	222.95	4,599.3	-40.1	-37.3	38.7	0.08	0.08	0.00
4,700.0	2.32	222.95	4,699.2	-43.0	-40.0	41.5	0.08	0.08	0.00
4,800.0	2.40	222.95	4,799.1	-46.0	-42.8	44.4	0.08	0.08	0.00
4,900.0	2.48	222.95	4,899.0	-49.1	-45.7	47.4	0.08	0.08	0.00
4,932.3	2.51	222.95	4,931.3	-50.1	-46.7	48.4	0.08	0.08	0.00
5,000.0	2.51	222.95	4,998.9	-52.3	-48.7	50.5	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Mighty Ducks 15/16 W0HE State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3098.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3098.0usft (Original Well Elev)
Site:	Mighty Ducks 15/16 W0HE State Com #1H	North Reference:	Grid
Well:	Sec 14, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 330' FWL, Sec 16		
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	2.51	222.95	5,098.8	-55.5	-51.7	53.6	0.00	0.00	0.00	
5,200.0	2.51	222.95	5,198.7	-58.7	-54.6	56.7	0.00	0.00	0.00	
5,300.0	2.51	222.95	5,298.6	-61.9	-57.6	59.7	0.00	0.00	0.00	
5,344.1	2.51	222.95	5,342.7	-63.3	-58.9	61.1	0.00	0.00	0.00	
5,400.0	2.46	222.95	5,398.6	-65.1	-60.6	62.8	0.08	-0.08	0.00	
5,500.0	2.38	222.95	5,498.5	-68.2	-63.5	65.8	0.08	-0.08	0.00	
5,600.0	2.30	222.95	5,598.4	-71.2	-66.2	68.7	0.08	-0.08	0.00	
5,700.0	2.22	222.95	5,698.3	-74.1	-68.9	71.5	0.08	-0.08	0.00	
5,800.0	2.14	222.95	5,798.2	-76.8	-71.5	74.2	0.08	-0.08	0.00	
5,900.0	2.06	222.95	5,898.2	-79.5	-74.0	76.8	0.08	-0.08	0.00	
6,000.0	1.98	222.95	5,998.1	-82.1	-76.4	79.2	0.08	-0.08	0.00	
6,100.0	1.90	222.95	6,098.0	-84.6	-78.7	81.6	0.08	-0.08	0.00	
6,200.0	1.82	222.95	6,198.0	-87.0	-80.9	83.9	0.08	-0.08	0.00	
6,300.0	1.74	222.95	6,297.9	-89.2	-83.1	86.1	0.08	-0.08	0.00	
6,400.0	1.66	222.95	6,397.9	-91.4	-85.1	88.2	0.08	-0.08	0.00	
6,500.0	1.58	222.95	6,497.9	-93.5	-87.0	90.2	0.08	-0.08	0.00	
6,600.0	1.50	222.95	6,597.8	-95.4	-88.8	92.1	0.08	-0.08	0.00	
6,700.0	1.42	222.95	6,697.8	-97.3	-90.6	93.9	0.08	-0.08	0.00	
6,800.0	1.34	222.95	6,797.8	-99.1	-92.2	95.6	0.08	-0.08	0.00	
6,900.0	1.26	222.95	6,897.7	-100.7	-93.8	97.2	0.08	-0.08	0.00	
7,000.0	1.18	222.95	6,997.7	-102.3	-95.2	98.7	0.08	-0.08	0.00	
7,100.0	1.10	222.95	7,097.7	-103.8	-96.6	100.1	0.08	-0.08	0.00	
7,200.0	1.02	222.95	7,197.7	-105.1	-97.8	101.5	0.08	-0.08	0.00	
7,300.0	0.94	222.95	7,297.7	-106.4	-99.0	102.7	0.08	-0.08	0.00	
7,400.0	0.86	222.95	7,397.6	-107.5	-100.1	103.8	0.08	-0.08	0.00	
7,500.0	0.78	222.95	7,497.6	-108.6	-101.1	104.8	0.08	-0.08	0.00	
7,600.0	0.70	222.95	7,597.6	-109.5	-101.9	105.7	0.08	-0.08	0.00	
7,700.0	0.62	222.95	7,697.6	-110.4	-102.7	106.5	0.08	-0.08	0.00	
7,800.0	0.54	222.95	7,797.6	-111.1	-103.4	107.2	0.08	-0.08	0.00	
7,900.0	0.46	222.95	7,897.6	-111.7	-104.0	107.8	0.08	-0.08	0.00	
8,000.0	0.38	222.95	7,997.6	-112.3	-104.5	108.4	0.08	-0.08	0.00	
8,100.0	0.30	222.95	8,097.6	-112.7	-104.9	108.8	0.08	-0.08	0.00	
8,200.0	0.22	222.95	8,197.6	-113.0	-105.2	109.1	0.08	-0.08	0.00	
8,300.0	0.14	222.95	8,297.6	-113.3	-105.4	109.3	0.08	-0.08	0.00	
8,400.0	0.06	222.95	8,397.6	-113.4	-105.6	109.5	0.08	-0.08	0.00	
8,476.4	0.00	0.01	8,474.0	-113.4	-105.6	109.5	0.08	-0.08	0.00	
KOP: 2080' FNL & 145' FWL (14)										
8,500.0	2.36	270.04	8,497.6	-113.4	-106.1	110.0	9.99	9.99	0.00	
8,550.0	7.36	270.04	8,547.4	-113.4	-110.3	114.2	9.99	9.99	0.00	
8,600.0	12.35	270.04	8,596.7	-113.4	-118.9	122.8	9.99	9.99	0.00	
8,650.0	17.35	270.04	8,645.0	-113.4	-131.7	135.6	9.99	9.99	0.00	
8,700.0	22.35	270.04	8,692.0	-113.4	-148.6	152.5	9.99	9.99	0.00	
8,750.0	27.35	270.04	8,737.3	-113.4	-169.7	173.5	9.99	9.99	0.00	
8,800.0	32.34	270.04	8,780.7	-113.4	-194.5	198.4	9.99	9.99	0.00	
8,850.0	37.34	270.04	8,821.7	-113.4	-223.1	226.9	9.99	9.99	0.00	
8,900.0	42.34	270.04	8,860.1	-113.3	-255.1	258.9	9.99	9.99	0.00	
8,950.0	47.34	270.04	8,895.5	-113.3	-290.4	294.1	9.99	9.99	0.00	
9,000.0	52.33	270.04	8,927.8	-113.3	-328.5	332.3	9.99	9.99	0.00	
9,050.0	57.33	270.04	8,956.6	-113.3	-369.4	373.1	9.99	9.99	0.00	
9,100.0	62.33	270.04	8,981.7	-113.2	-412.6	416.3	9.99	9.99	0.00	
9,150.0	67.33	270.04	9,003.0	-113.2	-457.9	461.5	9.99	9.99	0.00	
9,200.0	72.32	270.04	9,020.2	-113.2	-504.8	508.4	9.99	9.99	0.00	
9,250.0	77.32	270.04	9,033.3	-113.1	-553.0	556.6	9.99	9.99	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Mighty Ducks 15/16 W0HE State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3098.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3098.0usft (Original Well Elev)
Site:	Mighty Ducks 15/16 W0HE State Com #1H	North Reference:	Grid
Well:	Sec 14, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 330' FWL, Sec 16		
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)
9,278.1	80.13	270.04	9,038.8	-113.1	-580.6	584.2	9.99	9.99	0.00
FTP: 2080' FNL & 330' FEL (Sec 15)									
9,300.0	82.32	270.04	9,042.1	-113.1	-602.2	605.8	9.99	9.99	0.00
9,350.0	87.31	270.04	9,046.6	-113.1	-652.0	655.5	9.99	9.99	0.00
9,394.2	91.73	270.04	9,047.0	-113.0	-696.2	699.7	9.99	9.99	0.00
9,400.0	91.73	270.04	9,046.8	-113.0	-702.0	705.5	0.00	0.00	0.00
9,500.0	91.73	270.04	9,043.8	-113.0	-801.9	805.4	0.00	0.00	0.00
9,600.0	91.73	270.04	9,040.8	-112.9	-901.9	905.3	0.00	0.00	0.00
9,700.0	91.73	270.04	9,037.8	-112.8	-1,001.8	1,005.2	0.00	0.00	0.00
9,800.0	91.73	270.04	9,034.7	-112.7	-1,101.8	1,105.1	0.00	0.00	0.00
9,900.0	91.73	270.04	9,031.7	-112.7	-1,201.7	1,205.0	0.00	0.00	0.00
10,000.0	91.73	270.04	9,028.7	-112.6	-1,301.7	1,304.8	0.00	0.00	0.00
10,100.0	91.73	270.04	9,025.7	-112.5	-1,401.7	1,404.7	0.00	0.00	0.00
10,200.0	91.73	270.04	9,022.7	-112.5	-1,501.6	1,504.6	0.00	0.00	0.00
10,300.0	91.73	270.04	9,019.6	-112.4	-1,601.6	1,604.5	0.00	0.00	0.00
10,400.0	91.73	270.04	9,016.6	-112.3	-1,701.5	1,704.4	0.00	0.00	0.00
10,500.0	91.73	270.04	9,013.6	-112.3	-1,801.5	1,804.3	0.00	0.00	0.00
10,600.0	91.73	270.04	9,010.6	-112.2	-1,901.4	1,904.2	0.00	0.00	0.00
10,700.0	91.73	270.04	9,007.5	-112.1	-2,001.4	2,004.1	0.00	0.00	0.00
10,800.0	91.73	270.04	9,004.5	-112.1	-2,101.3	2,104.0	0.00	0.00	0.00
10,900.0	91.73	270.04	9,001.5	-112.0	-2,201.3	2,203.9	0.00	0.00	0.00
11,000.0	91.73	270.04	8,998.5	-111.9	-2,301.2	2,303.8	0.00	0.00	0.00
11,100.0	91.73	270.04	8,995.5	-111.8	-2,401.2	2,403.6	0.00	0.00	0.00
11,200.0	91.73	270.04	8,992.4	-111.8	-2,501.2	2,503.5	0.00	0.00	0.00
11,300.0	91.73	270.04	8,989.4	-111.7	-2,601.1	2,603.4	0.00	0.00	0.00
11,400.0	91.73	270.04	8,986.4	-111.6	-2,701.1	2,703.3	0.00	0.00	0.00
11,500.0	91.73	270.04	8,983.4	-111.6	-2,801.0	2,803.2	0.00	0.00	0.00
11,600.0	91.73	270.04	8,980.3	-111.5	-2,901.0	2,903.1	0.00	0.00	0.00
11,700.0	91.73	270.04	8,977.3	-111.4	-3,000.9	3,003.0	0.00	0.00	0.00
11,800.0	91.73	270.04	8,974.3	-111.4	-3,100.9	3,102.9	0.00	0.00	0.00
11,900.0	91.73	270.04	8,971.3	-111.3	-3,200.8	3,202.8	0.00	0.00	0.00
12,000.0	91.73	270.04	8,968.3	-111.2	-3,300.8	3,302.7	0.00	0.00	0.00
12,100.0	91.73	270.04	8,965.2	-111.1	-3,400.7	3,402.5	0.00	0.00	0.00
12,200.0	91.73	270.04	8,962.2	-111.1	-3,500.7	3,502.4	0.00	0.00	0.00
12,300.0	91.73	270.04	8,959.2	-111.0	-3,600.7	3,602.3	0.00	0.00	0.00
12,400.0	91.73	270.04	8,956.2	-110.9	-3,700.6	3,702.2	0.00	0.00	0.00
12,500.0	91.73	270.04	8,953.2	-110.9	-3,800.6	3,802.1	0.00	0.00	0.00
12,600.0	91.73	270.04	8,950.1	-110.8	-3,900.5	3,902.0	0.00	0.00	0.00
12,700.0	91.73	270.04	8,947.1	-110.7	-4,000.5	4,001.9	0.00	0.00	0.00
12,800.0	91.73	270.04	8,944.1	-110.7	-4,100.4	4,101.8	0.00	0.00	0.00
12,900.0	91.73	270.04	8,941.1	-110.6	-4,200.4	4,201.7	0.00	0.00	0.00
13,000.0	91.73	270.04	8,938.0	-110.5	-4,300.3	4,301.6	0.00	0.00	0.00
13,100.0	91.73	270.04	8,935.0	-110.5	-4,400.3	4,401.5	0.00	0.00	0.00
13,200.0	91.73	270.04	8,932.0	-110.4	-4,500.2	4,501.3	0.00	0.00	0.00
13,300.0	91.73	270.04	8,929.0	-110.3	-4,600.2	4,601.2	0.00	0.00	0.00
13,400.0	91.73	270.04	8,926.0	-110.2	-4,700.1	4,701.1	0.00	0.00	0.00
13,500.0	91.73	270.04	8,922.9	-110.2	-4,800.1	4,801.0	0.00	0.00	0.00
13,600.0	91.73	270.04	8,919.9	-110.1	-4,900.1	4,900.9	0.00	0.00	0.00
13,700.0	91.73	270.04	8,916.9	-110.0	-5,000.0	5,000.8	0.00	0.00	0.00
13,800.0	91.73	270.04	8,913.9	-110.0	-5,100.0	5,100.7	0.00	0.00	0.00
13,900.0	91.73	270.04	8,910.8	-109.9	-5,199.9	5,200.6	0.00	0.00	0.00
14,000.0	91.73	270.04	8,907.8	-109.8	-5,299.9	5,300.5	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Mighty Ducks 15/16 W0HE State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3098.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3098.0usft (Original Well Elev)
Site:	Mighty Ducks 15/16 W0HE State Com #1H	North Reference:	Grid
Well:	Sec 14, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 330' FWL, Sec 16		
Design:	Design #1		

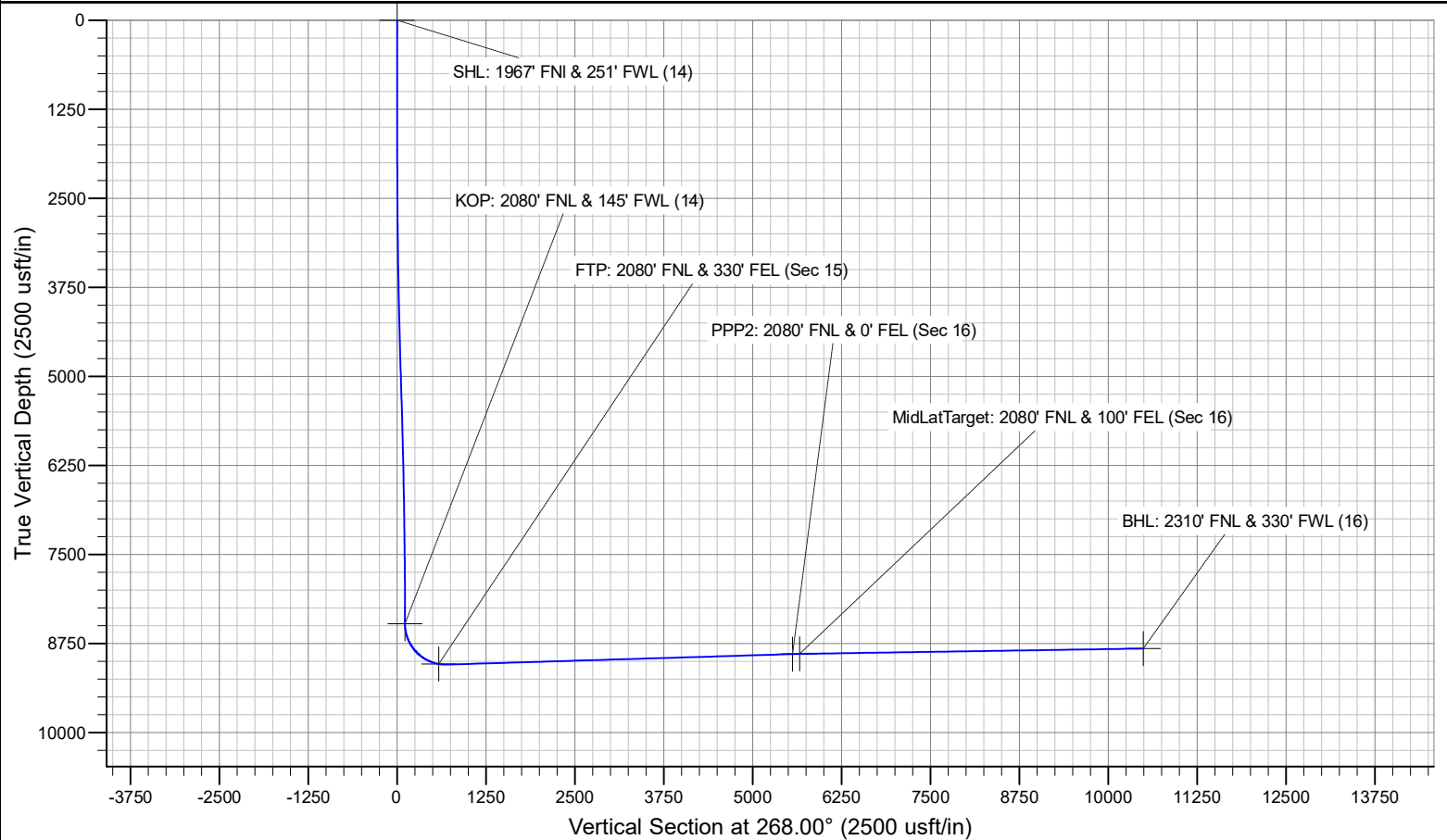
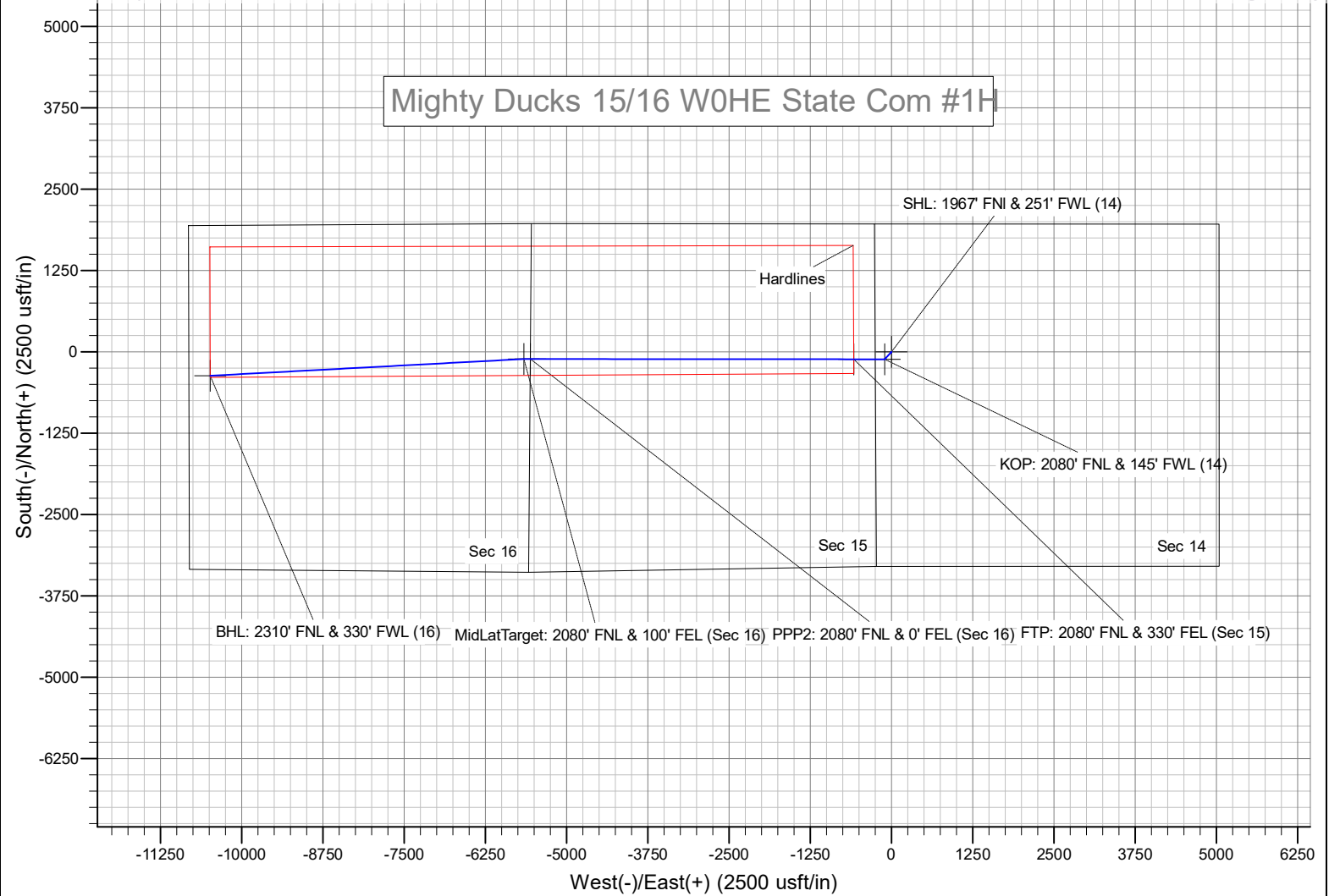
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,100.0	91.73	270.04	8,904.8	-109.8	-5,399.8	5,400.4	0.00	0.00	0.00
14,200.0	91.73	270.04	8,901.8	-109.7	-5,499.8	5,500.3	0.00	0.00	0.00
14,258.2	91.73	270.04	8,900.0	-109.6	-5,558.0	5,558.4	0.00	0.00	0.00
PPP2: 2080' FNL & 0' FEL (Sec 16)									
14,300.0	91.73	270.04	8,898.8	-109.6	-5,599.7	5,600.1	0.00	0.00	0.00
14,358.3	90.89	266.95	8,897.0	-109.6	-5,658.0	5,658.4	5.49	-1.45	-5.30
MidLatTarget: 2080' FNL & 100' FEL (Sec 16)									
14,400.0	90.89	266.95	8,896.4	-111.8	-5,699.6	5,700.1	0.00	0.00	0.00
14,500.0	90.89	266.95	8,894.8	-117.1	-5,799.5	5,800.0	0.00	0.00	0.00
14,600.0	90.89	266.95	8,893.2	-122.4	-5,899.3	5,900.0	0.00	0.00	0.00
14,700.0	90.89	266.95	8,891.7	-127.8	-5,999.2	6,000.0	0.00	0.00	0.00
14,800.0	90.89	266.95	8,890.1	-133.1	-6,099.0	6,100.0	0.00	0.00	0.00
14,900.0	90.89	266.95	8,888.6	-138.4	-6,198.9	6,199.9	0.00	0.00	0.00
15,000.0	90.89	266.95	8,887.0	-143.7	-6,298.7	6,299.9	0.00	0.00	0.00
15,100.0	90.89	266.95	8,885.5	-149.0	-6,398.6	6,399.9	0.00	0.00	0.00
15,200.0	90.89	266.95	8,883.9	-154.3	-6,498.4	6,499.8	0.00	0.00	0.00
15,300.0	90.89	266.95	8,882.4	-159.7	-6,598.3	6,599.8	0.00	0.00	0.00
15,400.0	90.89	266.95	8,880.8	-165.0	-6,698.1	6,699.8	0.00	0.00	0.00
15,500.0	90.89	266.95	8,879.3	-170.3	-6,798.0	6,799.8	0.00	0.00	0.00
15,600.0	90.89	266.95	8,877.7	-175.6	-6,897.8	6,899.7	0.00	0.00	0.00
15,700.0	90.89	266.95	8,876.2	-180.9	-6,997.6	6,999.7	0.00	0.00	0.00
15,800.0	90.89	266.95	8,874.6	-186.3	-7,097.5	7,099.7	0.00	0.00	0.00
15,900.0	90.89	266.95	8,873.1	-191.6	-7,197.3	7,199.6	0.00	0.00	0.00
16,000.0	90.89	266.95	8,871.5	-196.9	-7,297.2	7,299.6	0.00	0.00	0.00
16,100.0	90.89	266.95	8,870.0	-202.2	-7,397.0	7,399.6	0.00	0.00	0.00
16,200.0	90.89	266.95	8,868.4	-207.5	-7,496.9	7,499.6	0.00	0.00	0.00
16,300.0	90.89	266.95	8,866.9	-212.8	-7,596.7	7,599.5	0.00	0.00	0.00
16,400.0	90.89	266.95	8,865.3	-218.2	-7,696.6	7,699.5	0.00	0.00	0.00
16,500.0	90.89	266.95	8,863.8	-223.5	-7,796.4	7,799.5	0.00	0.00	0.00
16,600.0	90.89	266.95	8,862.2	-228.8	-7,896.3	7,899.4	0.00	0.00	0.00
16,700.0	90.89	266.95	8,860.7	-234.1	-7,996.1	7,999.4	0.00	0.00	0.00
16,800.0	90.89	266.95	8,859.1	-239.4	-8,096.0	8,099.4	0.00	0.00	0.00
16,900.0	90.89	266.95	8,857.6	-244.8	-8,195.8	8,199.4	0.00	0.00	0.00
17,000.0	90.89	266.95	8,856.0	-250.1	-8,295.7	8,299.3	0.00	0.00	0.00
17,100.0	90.89	266.95	8,854.5	-255.4	-8,395.5	8,399.3	0.00	0.00	0.00
17,200.0	90.89	266.95	8,852.9	-260.7	-8,495.3	8,499.3	0.00	0.00	0.00
17,300.0	90.89	266.95	8,851.4	-266.0	-8,595.2	8,599.2	0.00	0.00	0.00
17,400.0	90.89	266.95	8,849.8	-271.3	-8,695.0	8,699.2	0.00	0.00	0.00
17,500.0	90.89	266.95	8,848.3	-276.7	-8,794.9	8,799.2	0.00	0.00	0.00
17,600.0	90.89	266.95	8,846.7	-282.0	-8,894.7	8,899.2	0.00	0.00	0.00
17,700.0	90.89	266.95	8,845.1	-287.3	-8,994.6	8,999.1	0.00	0.00	0.00
17,800.0	90.89	266.95	8,843.6	-292.6	-9,094.4	9,099.1	0.00	0.00	0.00
17,900.0	90.89	266.95	8,842.0	-297.9	-9,194.3	9,199.1	0.00	0.00	0.00
18,000.0	90.89	266.95	8,840.5	-303.3	-9,294.1	9,299.0	0.00	0.00	0.00
18,100.0	90.89	266.95	8,838.9	-308.6	-9,394.0	9,399.0	0.00	0.00	0.00
18,200.0	90.89	266.95	8,837.4	-313.9	-9,493.8	9,499.0	0.00	0.00	0.00
18,300.0	90.89	266.95	8,835.8	-319.2	-9,593.7	9,599.0	0.00	0.00	0.00
18,400.0	90.89	266.95	8,834.3	-324.5	-9,693.5	9,698.9	0.00	0.00	0.00
18,500.0	90.89	266.95	8,832.7	-329.8	-9,793.3	9,798.9	0.00	0.00	0.00
18,600.0	90.89	266.95	8,831.2	-335.2	-9,893.2	9,898.9	0.00	0.00	0.00
18,700.0	90.89	266.95	8,829.6	-340.5	-9,993.0	9,998.8	0.00	0.00	0.00
18,800.0	90.89	266.95	8,828.1	-345.8	-10,092.9	10,098.8	0.00	0.00	0.00
18,900.0	90.89	266.95	8,826.5	-351.1	-10,192.7	10,198.8	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Mighty Ducks 15/16 W0HE State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3098.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3098.0usft (Original Well Elev)
Site:	Mighty Ducks 15/16 W0HE State Com #1H	North Reference:	Grid
Well:	Sec 14, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 330' FWL, Sec 16		
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)	
19,000.0	90.89	266.95	8,825.0	-356.4	-10,292.6	10,298.8	0.00	0.00	0.00	
19,100.0	90.89	266.95	8,823.4	-361.8	-10,392.4	10,398.7	0.00	0.00	0.00	
19,191.8	90.89	266.95	8,822.0	-366.6	-10,484.1	10,490.5	0.00	0.00	0.00	
BHL: 2310' FNL & 330' FWL (16)										

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: 1967' FNI & 251' F - plan hits target center - Point	0.00	0.01	0.0	0.0	0.0	507,371.50	592,381.50	32.3947241	-104.1679566	
KOP: 2080' FNL & 145' I - plan hits target center - Point	0.00	0.00	8,474.0	-113.4	-105.6	507,258.06	592,275.92	32.3944127	-104.1682993	
BHL: 2310' FNL & 330' F - plan hits target center - Point	0.00	0.00	8,822.0	-366.6	-10,484.1	507,004.87	581,897.38	32.3937563	-104.2019253	
MidLatTarget: 2080' FNL - plan hits target center - Point	0.00	0.00	8,897.0	-109.6	-5,658.0	507,261.92	586,723.49	32.3944456	-104.1862883	
PPP2: 2080' FNL & 0' F - plan hits target center - Point	0.00	0.00	8,900.0	-109.6	-5,558.0	507,261.85	586,823.50	32.3944450	-104.1859643	
FTP: 2080' FNL & 330' F - plan hits target center - Point	0.00	0.00	9,038.8	-113.1	-580.6	507,258.39	591,800.90	32.3944157	-104.1698382	



Mighty Ducks 15/16 W0HE State Com #1H								
SHL: 1967' FNL & 251' FWL (Sec 14)								
BHL: 2310' FNL & 330' FWL (Sec 16)								
Casing Type	Fluid Type	Hole Size	Casing Description	Casing Weight	Top MD	Setting Depth	Sacks Cement	TOC
Surface	Spud Mud	17.5"	13.375" 48# H40 STC	48.0 lb/ft	0'	630'	490	0'
Intermediate	Brine	12.25"	9.625" 36# 155 LTC	36.0 lb/ft	0'	1800'	410	0'
Production	Cut-Brine	8.75"	7" 26# P110 LTC	26.0 lb/ft	0'	8400'	780	1600'
Liner	OBM	6.125"	4.5" 13.5# P110 LTC	13.5 lb/ft	8200'	19192'	700	8200'

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 147762

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 147762
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	10/5/2022