

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OCD HobbsFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM02965A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

PEPPER RIDGE 15 W1CN FED COM 2H

2. Name of Operator

MEWBOURNE OIL COMPANY

Contact: JACKIE LATHAN

E-Mail: jlathan@mewbourne.com

9. API Well No.

30-025-43198-00-X1

3a. Address

P O BOX 5270
HOBBS, NM 88241

3b. Phone No. (include area code)

Ph: 575-393-5905

10. Field and Pool or Exploratory Area

WILDCAT;WOLFCAMP

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 15 T26S R33E NENW 185FNL 2310FWL

11. County or Parish, State

LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Mewbourne Oil Company has an approved APD for the above well. Mewbourne would like to make the following changes:

- 1 - Change name to Salado Draw 10 W1NC Fed Com #2H
- 2 - Change BHL to 330' FNL & 2310' FWL, Sec 10 T26S R33E

1001-10 319753

Please see attachments for updated C-102 and drilling plans.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #368718 verified by the BLM Well Information System

For MEWBOURNE OIL COMPANY, sent to the Hobbs

Committed to AFMSS for processing by PRISCILLA PEREZ on 03/03/2017 (17PP0277SE)

Name (Printed/Typed) ANDREW TAYLOR

Title ENGINEER

Signature (Electronic Submission)

Date 03/02/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ZOTA STEVENS

Title PETROLEUM ENGINEER

Date 09/29/2017

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Mewbourne Oil Company, Salado Draw 10 W1NC Fed Com #2H

Sec 15, T26S, R33E

SL: 185' FNL & 2310' FWL, Sec 15

BHL: 330' FNL & 2310' FWL, Sec 10

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1. Geologic Formations

TVD of target	12383'	Pilot hole depth	NA
MD at TD:	17275'	Deepest expected fresh water:	125'

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface		
Rustler	920	Water	
Top Salt	1289		
Castile	3188		
Base Salt	4738		
Lamar	4974	Oil/Gas	
Bell Canyon	5016	Oil/Gas	
Cherry Canyon	6090	Oil/Gas	
Manzanita Marker	6288		
Brushy Canyon	7678	Oil/Gas	
Bone Spring	9128	Oil/Gas	
1 st Bone Spring Sand	10048		
2 nd Bone Spring Sand	10628		
3 rd Bone Spring Sand	11696		
Abo			
Wolfcamp	12140	Target Zone	
Devonian			
Fusselman			
Ellenburger			
Granite Wash			

*H2S, water flows, loss of circulation, abnormal pressures, etc.

Mewbourne Oil Company, Salado Draw 10 WINC Fed Com #2H

Sec 15, T26S, R33E

SL: 185' FNL & 2310' FWL, Sec 15

BHL: 330' FNL & 2310' FWL, Sec 10

2. 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'	990'	13.375"	48	H40	STC	1.50	3.36	6.78	11.38
12.25"	0'	3453'	9.625"	36	J55	LTC	1.13	1.96	2.49	4.54
12.25"	3453'	4393'	9.625"	40	J55	LTC	1.13	1.73	8.98	16.75
12.25"	4393'	4900'	9.625"	40	N80	LTC	1.21	2.26	36.35	45.18
8.75"	0'	12510'	7"	26	HCP110	LTC	1.27	1.62	2.02	2.55
6.125"	11810'	17275'	4.5"	13.5	P110	LTC	1.27	1.48	5.04	6.30
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?	Y
If yes, are there two strings cemented to surface?	Y
(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, Salado Draw 10 WINC Fed Com #2H

Sec 15, T26S, R33E

SL: 185' FNL & 2310' FWL, Sec 15

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3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft ³ / sack	H ₂ O gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	530	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
Inter.	820	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
Prod. Stg 1	335	12.5	2.12	11	9	Lead: Class C + Gel + Retarder + Defoamer + Extender
	400	15.6	1.18	5.2	10	Tail: Class H + Retarder + Fluid Loss + Defoamer
ECP/DV Tool @ 6288'						
Prod. Stg 2	85	12.5	2.12	11	9	Lead: Class C + Gel + Retarder + Defoamer + Extender
	100	14.8	1.34	6.3	8	Tail: Class C + Retarder
Liner	225	11.2	2.97	17	16	Class C + Salt + Gel + Fluid Loss + Retarder + Dispersant + Defoamer + Anti-Settling Agent

A copy of cement test will be available on location at time of cement job providing pump times, compressive strengths, etc.

Casing String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
Production	4700'	25%
Liner	11810'	25%

Mewbourne Oil Company, Salado Draw 10 WINC Fed Com #2H

Sec 15, T26S, R33E

SL: 185' FNL & 2310' FWL, Sec 15

BHL: 330' FNL & 2310' FWL, Sec 10

4. Pressure Control Equipment

Variance: None

BOP installed and tested before drilling which hole?	Size?	System Rated WP	Type	✓	Tested to:
12-1/4"	13-5/8"	10M	Annular	X	5000#
			Blind Ram	X	10000#
			Pipe Ram	X	
			Double Ram		
			Other*		

*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
N	Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. • Provide description here: See attached schematic.

Mewbourne Oil Company, Salado Draw 10 WINC Fed Com #2H

Sec 15, T26S, R33E

SL: 185' FNL & 2310' FWL, Sec 15

BHL: 330' FNL & 2310' FWL, Sec 10

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0'	990'	Spud Mud	8.6-8.8	28-34	N/C
990'	4900'	Brine	10.0	28-34	N/C
4900'	11810'	Cut Brine	8.6-9.7	28-34	N/C
11810'	17275'	OBM	10.0-13.0	30-40	<10cc

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. MW up to 13.0 ppg may be required for shale control. The highest mud weight needed to balance formation pressure is expected to be 12.0 ppg.

What will be used to monitor the loss or gain of fluid?	Pason/PVT/Visual Monitoring
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6. Logging and Testing Procedures

Logging, Coring and Testing.	
X	Will run GR/CNL from KOP (11810') to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
	No Logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain
	Coring? If yes, explain

Additional logs planned	Interval
X Gamma Ray	11810' (KOP) to TD
Density	
CBL	
Mud log	
PEX	

Mewbourne Oil Company, Salado Draw 10 W1NC Fed Com #2H

Sec 15, T26S, R33E

SL: 185' FNL & 2310' FWL, Sec 15

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7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	7727 psi
Abnormal Temperature	No

Mitigation measure for abnormal conditions. Describe. **Lost circulation material/sweeps/mud scavengers in surface hole. Weighted mud for possible over-pressure in Wolfcamp formation.**

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

	H2S is present
X	H2S Plan attached

8. Water & Waste Volumes

Fresh Water Required: 3570 bbl

Waste Water: 3570 bbl

Waste Solids: 2570 bbl

9. Other facets of operation

Is this a walking operation? If yes, describe.

Will be pre-setting casing? If yes, describe.

Attachments

☐ Directional Plan

☐ Other, describe

Mewbourne Oil Company

Lea County, New Mexico

Salado Draw 10 W1NC Fed Com #2H

Sec 15, T26S, R33E

SL: 185' FNL & 2310' FWL, Sec 15

BHL: 330' FNL & 2312' FWL, Sec 10

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Plan: Design #1

Standard Planning Report

17 February, 2017

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Salado Draw 10 W1NC Fed Com #2H
Well: Sec 15, T26S, R33E
Wellbore: BHL: 330' FNL & 2312' FWL, Sec 10
Design: Design #1

Local Co-ordinate Reference: Site Salado Draw 10 W1NC Fed Com #2H
TVD Reference: WELL @ 3329.0usft (Original Well Elev)
MD Reference: WELL @ 3329.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Salado Draw 10 W1NC Fed Com #2H				
Site Position:		Northing:	382,809.00 usft	Latitude:	32° 3' 0.370 N
From:	Map	Easting:	739,353.00 usft	Longitude:	103° 33' 38.893 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well	Sec 15, T26S, R33E				
Well Position	+N/-S	0.0 usft	Northing:	382,809.00 usft	Latitude: 32° 3' 0.370 N
	+E/-W	0.0 usft	Easting:	739,353.00 usft	Longitude: 103° 33' 38.893 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	3,329.0 usft	Ground Level: 3,302.0 usft

Wellbore	BHL: 330' FNL & 2312' FWL, Sec 10				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/17/2017	6.87	59.88	47,946

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.64

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	
11,810.0	0.00	0.00	11,810.0	0.0	0.0	0.00	0.00	0.00	0.00	KOP @ 11810'
12,710.0	90.00	359.64	12,383.0	572.9	-3.6	10.00	10.00	0.00	-0.36	
17,270.2	90.00	359.64	12,383.0	5,133.0	-32.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 2312'

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Salado Draw 10 W1NC Fed Com #2H
Well: Sec 15, T26S, R33E
Wellbore: BHL: 330' FNL & 2312' FWL, Sec 10
Design: Design #1

Local Co-ordinate Reference: Site Salado Draw 10 W1NC Fed Com #2H
TVD Reference: WELL @ 3329.0usft (Original Well Elev)
MD Reference: WELL @ 3329.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
SL: 185' FNL & 2310' FWL, Sec 15									
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
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico
 Site: Salado Draw 10 W1NC Fed Com #2H
 Well: Sec 15, T26S, R33E
 Wellbore: BHL: 330' FNL & 2312' FWL, Sec 10
 Design: Design #1

Local Co-ordinate Reference: Site Salado Draw 10 W1NC Fed Com #2H
 TVD Reference: WELL @ 3329.0usft (Original Well Elev)
 MD Reference: WELL @ 3329.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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)
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Salado Draw 10 W1NC Fed Com #2H
Well: Sec 15, T26S, R33E
Wellbore: BHL: 330' FNL & 2312' FWL, Sec 10
Design: Design #1

Local Co-ordinate Reference: Site Salado Draw 10 W1NC Fed Com #2H
TVD Reference: WELL @ 3329.0usft (Original Well Elev)
MD Reference: WELL @ 3329.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,800.0	0.0	0.0	0.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,900.0	0.0	0.0	0.0	0.00	0.00	0.00
11,000.0	0.00	0.00	11,000.0	0.0	0.0	0.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,100.0	0.0	0.0	0.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,200.0	0.0	0.0	0.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,300.0	0.0	0.0	0.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,400.0	0.0	0.0	0.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,500.0	0.0	0.0	0.0	0.00	0.00	0.00
11,600.0	0.00	0.00	11,600.0	0.0	0.0	0.0	0.00	0.00	0.00
11,700.0	0.00	0.00	11,700.0	0.0	0.0	0.0	0.00	0.00	0.00
11,800.0	0.00	0.00	11,800.0	0.0	0.0	0.0	0.00	0.00	0.00
11,810.0	0.00	0.00	11,810.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 11810'									
11,900.0	9.00	359.64	11,899.6	7.0	0.0	7.0	10.00	10.00	0.00
12,000.0	19.00	359.64	11,996.5	31.2	-0.2	31.2	10.00	10.00	0.00
12,100.0	29.00	359.64	12,087.8	71.8	-0.4	71.8	10.00	10.00	0.00
12,200.0	39.00	359.64	12,170.6	127.7	-0.8	127.7	10.00	10.00	0.00
12,300.0	49.00	359.64	12,242.4	197.0	-1.2	197.0	10.00	10.00	0.00
12,400.0	59.00	359.64	12,301.1	277.8	-1.7	277.8	10.00	10.00	0.00
12,500.0	69.00	359.64	12,344.9	367.6	-2.3	367.6	10.00	10.00	0.00
12,600.0	79.00	359.64	12,372.5	463.6	-2.9	463.6	10.00	10.00	0.00
12,652.0	84.20	359.64	12,380.1	515.0	-3.2	515.0	10.00	10.00	0.00
FTP: 330' FSL & 2310' FWL, Sec 10									
12,700.0	89.00	359.64	12,382.9	562.9	-3.5	562.9	10.00	10.00	0.00
12,710.0	90.00	359.64	12,383.0	572.9	-3.6	572.9	10.00	10.00	0.00
LP: 388' FSL & 2310' FWL, Sec 10									
12,800.0	90.00	359.64	12,383.0	662.9	-4.1	662.9	0.01	0.01	0.00
12,900.0	90.00	359.64	12,383.0	762.9	-4.8	762.9	0.00	0.00	0.00
13,000.0	90.00	359.64	12,383.0	862.9	-5.4	862.9	0.00	0.00	0.00
13,100.0	90.00	359.64	12,383.0	962.9	-6.0	962.9	0.00	0.00	0.00
13,200.0	90.00	359.64	12,383.0	1,062.9	-6.6	1,062.9	0.00	0.00	0.00
13,300.0	90.00	359.64	12,383.0	1,162.9	-7.2	1,162.9	0.00	0.00	0.00
13,400.0	90.00	359.64	12,383.0	1,262.9	-7.9	1,262.9	0.00	0.00	0.00
13,500.0	90.00	359.64	12,383.0	1,362.9	-8.5	1,362.9	0.00	0.00	0.00
13,600.0	90.00	359.64	12,383.0	1,462.9	-9.1	1,462.9	0.00	0.00	0.00
13,700.0	90.00	359.64	12,383.0	1,562.9	-9.7	1,562.9	0.00	0.00	0.00
13,800.0	90.00	359.64	12,383.0	1,662.9	-10.4	1,662.9	0.00	0.00	0.00
13,900.0	90.00	359.64	12,383.0	1,762.9	-11.0	1,762.9	0.00	0.00	0.00
14,000.0	90.00	359.64	12,383.0	1,862.9	-11.6	1,862.9	0.00	0.00	0.00
14,100.0	90.00	359.64	12,383.0	1,962.9	-12.2	1,962.9	0.00	0.00	0.00
14,200.0	90.00	359.64	12,383.0	2,062.9	-12.9	2,062.9	0.00	0.00	0.00
14,300.0	90.00	359.64	12,383.0	2,162.9	-13.5	2,162.9	0.00	0.00	0.00
14,400.0	90.00	359.64	12,383.0	2,262.9	-14.1	2,262.9	0.00	0.00	0.00
14,500.0	90.00	359.64	12,383.0	2,362.9	-14.7	2,362.9	0.00	0.00	0.00
14,600.0	90.00	359.64	12,383.0	2,462.9	-15.4	2,462.9	0.00	0.00	0.00
14,700.0	90.00	359.64	12,383.0	2,562.9	-16.0	2,562.9	0.00	0.00	0.00
14,800.0	90.00	359.64	12,383.0	2,662.9	-16.6	2,662.9	0.00	0.00	0.00
14,900.0	90.00	359.64	12,383.0	2,762.9	-17.2	2,762.9	0.00	0.00	0.00
15,000.0	90.00	359.64	12,383.0	2,862.9	-17.8	2,862.9	0.00	0.00	0.00
15,100.0	90.00	359.64	12,383.0	2,962.9	-18.5	2,962.9	0.00	0.00	0.00
15,200.0	90.00	359.64	12,383.0	3,062.9	-19.1	3,062.9	0.00	0.00	0.00
15,300.0	90.00	359.64	12,383.0	3,162.9	-19.7	3,162.9	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Salado Draw 10 W1NC Fed Com #2H
Well: Sec 15, T26S, R33E
Wellbore: BHL: 330' FNL & 2312' FWL, Sec 10
Design: Design #1

Local Co-ordinate Reference: Site Salado Draw 10 W1NC Fed Com #2H
TVD Reference: WELL @ 3329.0usft (Original Well Elev)
MD Reference: WELL @ 3329.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
15,400.0	90.00	359.64	12,383.0	3,262.9	-20.3	3,262.9	0.00	0.00	0.00
15,500.0	90.00	359.64	12,383.0	3,362.9	-21.0	3,362.9	0.00	0.00	0.00
15,600.0	90.00	359.64	12,383.0	3,462.8	-21.6	3,462.9	0.00	0.00	0.00
15,700.0	90.00	359.64	12,383.0	3,562.8	-22.2	3,562.9	0.00	0.00	0.00
15,800.0	90.00	359.64	12,383.0	3,662.8	-22.8	3,662.9	0.00	0.00	0.00
15,900.0	90.00	359.64	12,383.0	3,762.8	-23.5	3,762.9	0.00	0.00	0.00
16,000.0	90.00	359.64	12,383.0	3,862.8	-24.1	3,862.9	0.00	0.00	0.00
16,100.0	90.00	359.64	12,383.0	3,962.8	-24.7	3,962.9	0.00	0.00	0.00
16,200.0	90.00	359.64	12,383.0	4,062.8	-25.3	4,062.9	0.00	0.00	0.00
16,300.0	90.00	359.64	12,383.0	4,162.8	-26.0	4,162.9	0.00	0.00	0.00
16,400.0	90.00	359.64	12,383.0	4,262.8	-26.6	4,262.9	0.00	0.00	0.00
16,500.0	90.00	359.64	12,383.0	4,362.8	-27.2	4,362.9	0.00	0.00	0.00
16,600.0	90.00	359.64	12,383.0	4,462.8	-27.8	4,462.9	0.00	0.00	0.00
16,700.0	90.00	359.64	12,383.0	4,562.8	-28.4	4,562.9	0.00	0.00	0.00
16,800.0	90.00	359.64	12,383.0	4,662.8	-29.1	4,662.9	0.00	0.00	0.00
16,900.0	90.00	359.64	12,383.0	4,762.8	-29.7	4,762.9	0.00	0.00	0.00
17,000.0	90.00	359.64	12,383.0	4,862.8	-30.3	4,862.9	0.00	0.00	0.00
17,100.0	90.00	359.64	12,383.0	4,962.8	-30.9	4,962.9	0.00	0.00	0.00
17,200.0	90.00	359.64	12,383.0	5,062.8	-31.6	5,062.9	0.00	0.00	0.00
17,270.2	90.00	359.64	12,383.0	5,133.0	-32.0	5,133.1	0.00	0.00	0.00

BHL: 330' FNL & 2312' FWL, Sec 10

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SL: 185' FNL & 2310' FV - hit/miss target - Shape - Point	0.00	0.00	0.0	0.0	0.0	382,809.00	739,353.00	32° 3' 0.370 N	103° 33' 38.893 W
KOP @ 11810' - plan hits target center - Point	0.00	0.00	11,810.0	0.0	0.0	382,809.00	739,353.00	32° 3' 0.370 N	103° 33' 38.893 W
FTP: 330' FSL & 2310' F - plan hits target center - Point	0.00	0.00	12,380.1	515.0	-3.2	383,324.00	739,349.79	32° 3' 5.467 N	103° 33' 38.887 W
LP: 388' FSL & 2310' FV - plan hits target center - Point	0.00	0.00	12,383.0	572.9	-3.6	383,381.90	739,349.40	32° 3' 6.040 N	103° 33' 38.887 W
BHL: 330' FNL & 2312' F - plan hits target center - Point	0.00	0.00	12,383.0	5,133.0	-32.0	387,942.00	739,321.00	32° 3' 51.168 N	103° 33' 38.838 W

Salado Draw 10 W1NC Fed Com #2H

