

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM86710
2. Name of Operator MEWBOURNE OIL COMPANY		6. If Indian, Allottee or Tribe Name
Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address P O BOX 5270 HOBBS, NM 88241	3b. Phone No. (include area code) Ph: 575-393-5905	8. Well Name and No. BILBREY 34/27 W0PA FED COM 1H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T21S R32E SWSE 185FSL 2490FEL 32.428497 N Lat, 103.661324 W Lon		9. API Well No. 30-025-46277-00-X1
		10. Field and Pool or Exploratory Area 98313 - WC-025;G-09 S213232A
		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 PD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 recomple 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 would like to make the following changes:

1. Change name to Bilbrey 34/27 W0PA Fed Com #1H
2. Change pool to 98313 - WC-025;G-09 S213232A; Upper Wolfcamp.
3. Change BHL to 100' FNL & 330' FEL, Sec 27 T21S R32E.
4. Adjust casing & cement design as detailed in attachment.

See attached for changes. Call Andy Taylor with any questions.

Approved with Conditions.
See attached COA.
All previous COAs still Apply.

Carlsbad Field Office
Operator Copy

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #532760 verified by the BLM Well Information System For MEWBOURNE OIL COMPANY, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 10/05/2020 (21PP0092SE)	
Name (Printed/Typed) ANDREW TAYLOR	Title ENGINEER
Signature (Electronic Submission)	Date 10/02/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By OLABODE AJIBOLA	Title PETROLEUM ENGINEER	Date 10/16/2020
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 ****

Revisions to Operator-Submitted EC Data for Sundry Notice #532760

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM86710	NMNM86710
Agreement:		
Operator:	MEWBOURNE OIL COMPANY PO BOX 5270 HOBBS, NM 88241 Ph: 575-393-5905	MEWBOURNE OIL COMPANY P O BOX 5270 HOBBS, NM 88241 Ph: 575.393.5905
Admin Contact:	JACKIE LATHAN AUTHORIZED REPRESENTATIVE E-Mail: jlathan@mewbourne.com Ph: 575-393-5905	JACKIE LATHAN AUTHORIZED REPRESENTATIVE E-Mail: jlathan@mewbourne.com Ph: 575-393-5905
Tech Contact:	ANDREW TAYLOR ENGINEER E-Mail: ataylor@mewbourne.com Ph: 575-393-5905	ANDREW TAYLOR ENGINEER E-Mail: ataylor@mewbourne.com Ph: 575-393-5905
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	98313	98313 - WC-025;G-09 S213232A
Well/Facility:	BILBREY 34/27 B3OB FED COM 1H Sec 34 T21S R32E Mer NMP SWSE 205FSL 1531FEL	BILBREY 34/27 W0PA FED COM 1H Sec 34 T21S R32E SWSE 185FSL 2190FEL 32.428497 N Lat, 103.661324 W Lon

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 30-025-46277		² Pool Code 98313		³ Pool Name WC-025; G-09 S213232A; Upper Wolfcamp	
⁴ Property Code 326001		⁵ Property Name HILBREY 34/27 WOPA FED COM			⁶ Well Number 1H
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3717'

¹⁰ Surface Location

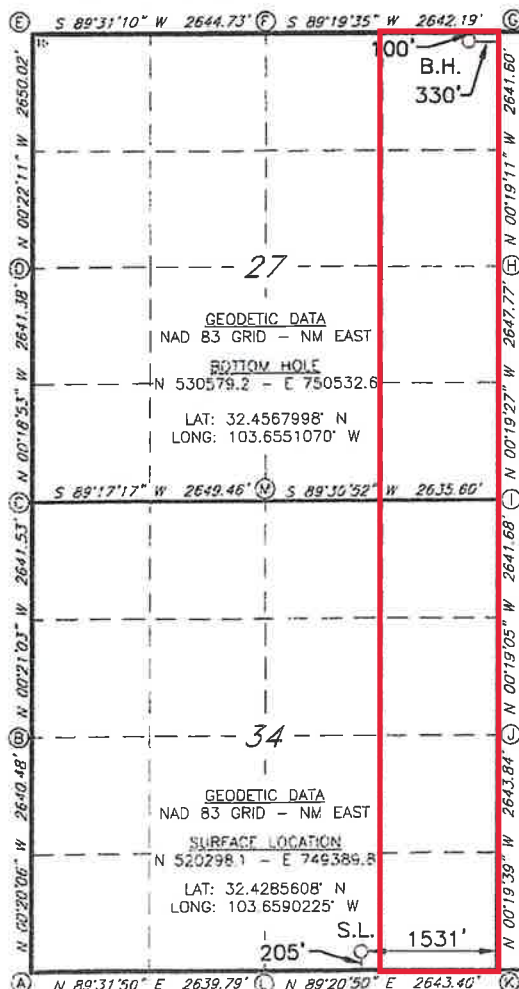
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	34	21S	32E		205	SOUTH	1531	EAST	LEA

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
B	27	21S	32E		100	NORTH	330	EAST	LEA

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.



CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1916"
N 520058.9 - E 745639.6

B: FOUND BRASS CAP "1916"
N 522698.8 - E 745624.2

C: FOUND BRASS CAP "1916"
N 525339.7 - E 745608.0

D: FOUND BRASS CAP "1916"
N 527980.5 - E 745593.5

E: FOUND BRASS CAP "1916"
N 530629.8 - E 745576.4

F: FOUND BRASS CAP "1916"
N 530652.0 - E 748220.5

G: FOUND BRASS CAP "1916"
N 530683.1 - E 750861.9

H: FOUND BRASS CAP "1916"
N 528042.1 - E 750876.7

I: FOUND BRASS CAP "1916"
N 525394.9 - E 750891.6

J: FOUND BRASS CAP "1916"
N 522753.9 - E 750906.3

K: FOUND BRASS CAP "1916"
N 520110.6 - E 750921.4

L: FOUND BRASS CAP "1916"
N 520080.5 - E 748278.8

M: FOUND BRASS CAP "1916"
N 525372.6 - E 748256.7

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

under heretofore entered by the division.

Signature: *Andy Taylor* Date: 9/30/2020

Printed Name: Andy Taylor

E-mail Address: ataylor@mewbourne.com

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

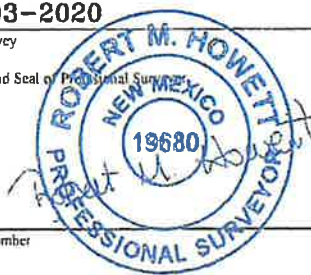
09-03-2020

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



RRC - Job No.: LS20090415

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MEWBOURNE OIL COMPANY
LEASE NO.:	NMNM086710
WELL NAME & NO.:	BILBREY 34-27 W0PA FED COM 1H
SURFACE HOLE FOOTAGE:	205' FSL & 1531' FEL
BOTTOM HOLE FOOTAGE	100' FNL & 330' FEL
LOCATION:	Section 34, T. 21S., R 32 E., NMPM
COUNTY:	LEA County, New Mexico

COA

H2S	☐ Yes	☒ No	
Potash	☐ None	☒ Secretary	☐ R-111-P
Cave/Karst Potential	☒ Low	☐ Medium	☐ High
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	☐ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☒ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☒ COM	☐ Unit

All Previous COAs Still Apply

A. CASING

1. The 13-3/8 inch surface casing shall be set at approximately **800 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **24 hours in the Potash Area** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing, which shall be set at approximately 4665 feet is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

Production casing must be kept fluid filled to meet BLM minimum collapse requirement.

3. The minimum required fill of cement behind the 7 inch production casing is:
 - Cement should tie-back at least **500 feet** into previous casing string. Operator shall provide method of verification.
Excess cement calculates to 23%, additional cement might be required.
4. The minimum required fill of cement behind the 4-1/2 inch production liner is:
 - Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.

B. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi**.
3. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 7" **production** casing shoe shall be **5000 (5M) psi**.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

C. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

OTA10162020

Mewbourne Oil Company, Bilbrey 34/27 W0PA Fed Com #1H**Sec 34, T21S, R32E****SL: 205' FSL & 1531' FEL (Sec 34)****BHL: 100' FNL & 330' FEL (Sec 27)****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'	800'	13.375"	48	H40	STC	2.10	4.73	8.39	14.09
12.25"	0'	3453'	9.625"	36	J55	LTC	1.13	1.96	2.62	3.26
12.25"	3453'	4393'	9.625"	40	J55	LTC	1.13	1.73	10.73	12.99
12.25"	4393'	4665'	9.625"	40	HCL80	LTC	1.27	2.37	67.78	84.24
8.75"	0'	12,432'	7"	26	P110	LTC	1.29	1.71	2.14	2.57
6.125"	11,524'	22,314'	4.5"	13.5	P110	LTC	1.36	1.59	2.32	2.90
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?	Y
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	Y
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

Mewbourne Oil Company, Bilbrey 34/27 W0PA Fed Com #1H**Sec 34, T21S, R32E****SL: 205' FSL & 1531' FEL (Sec 34)****BHL: 100' FNL & 330' FEL (Sec 27)**

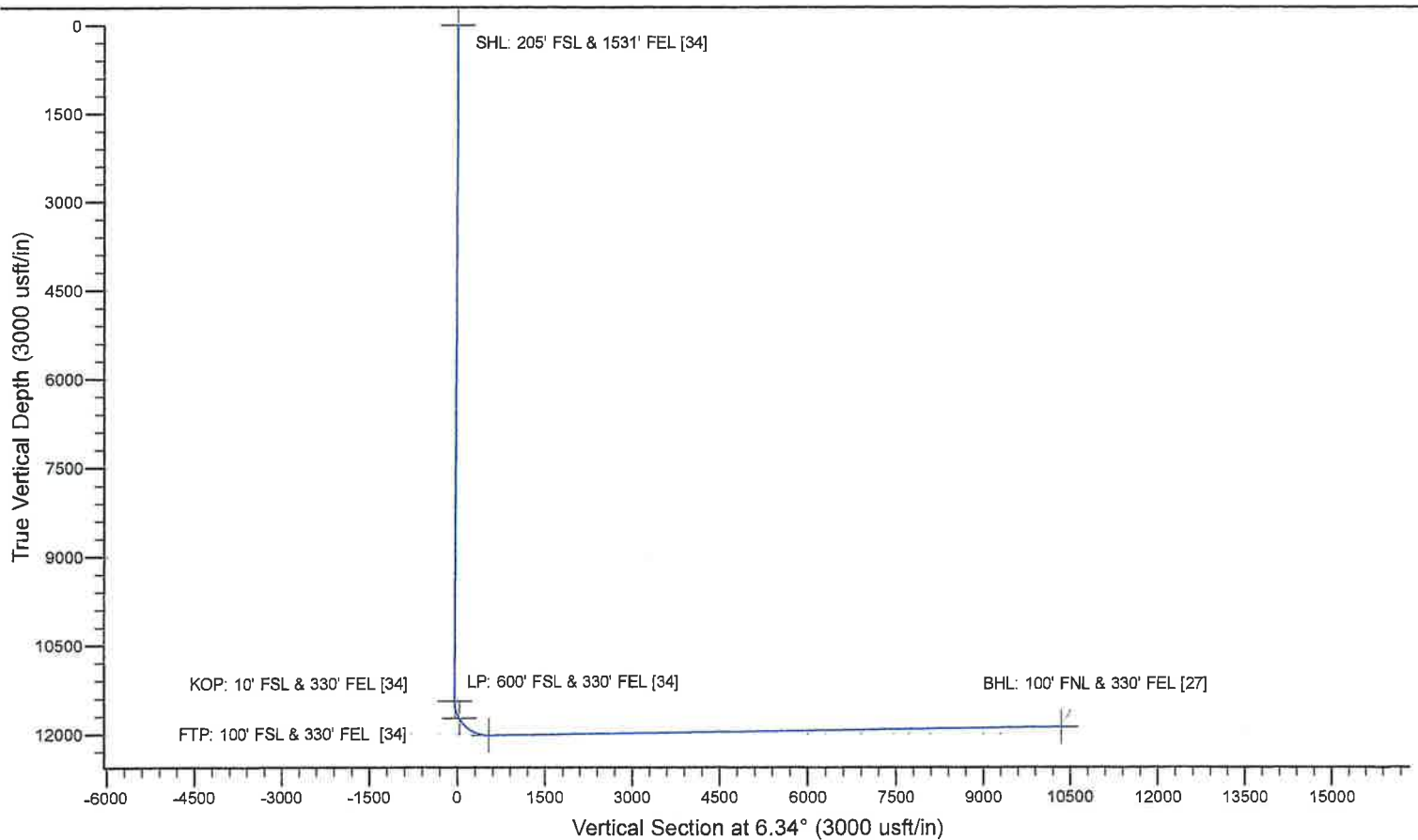
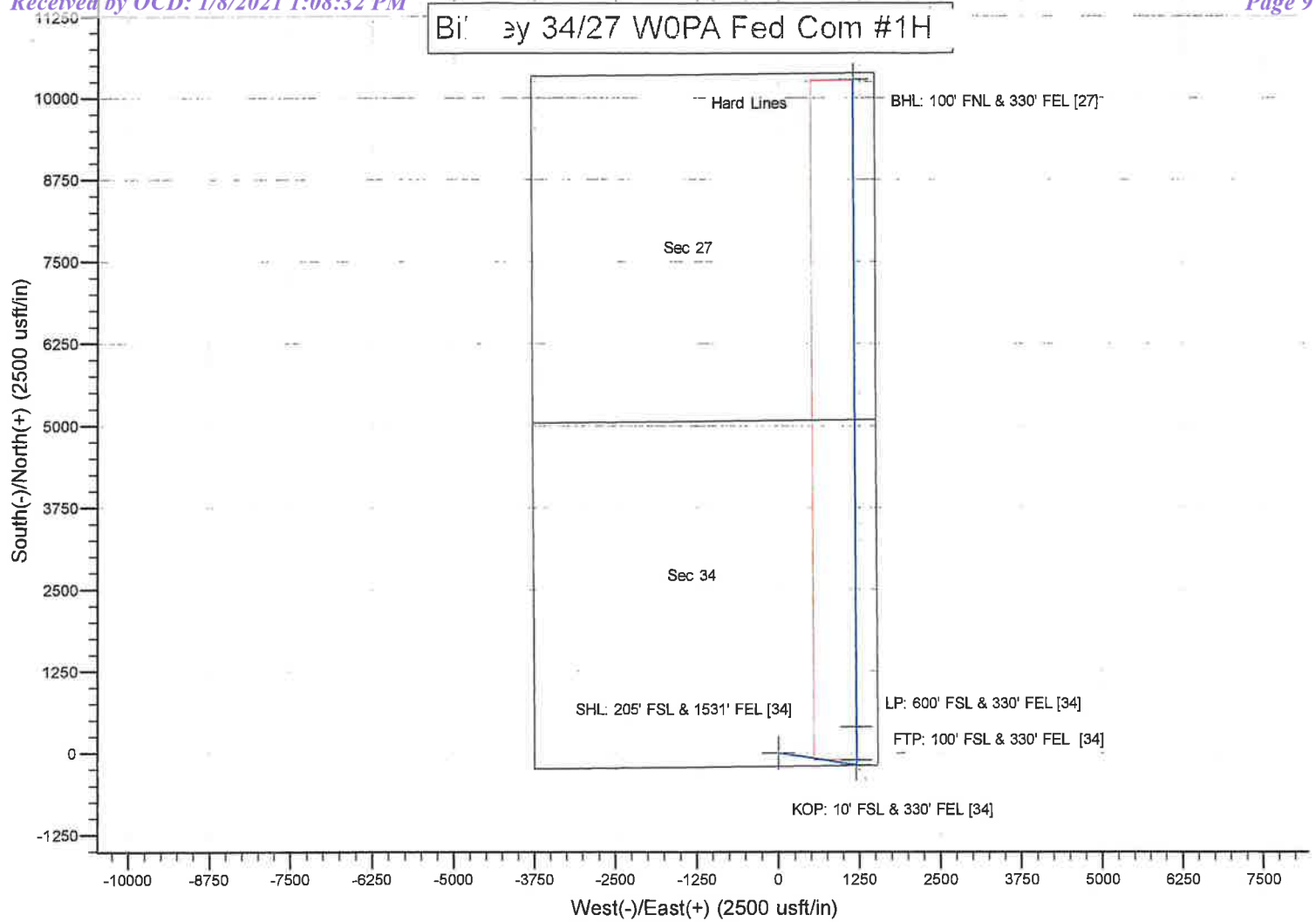
If yes, are there three strings cemented to surface?	
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Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	405	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.	770	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.	505	12.5	2.12	11	9	Lead: Class C + Salt + Gel + Extender + LCM
	400	15.6	1.18	5.2	10	Tail: Class H + Retarder + Fluid Loss + Defoamer
Liner	435	11.2	2.97	18	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.

Casing String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
Production	4295'	25%
Liner	11,524'	25%



Mewbourne Oil Company

Lea County, New Mexico NAD 83

Bilbrey 34/27 W0PA Fed Com #1H

Sec 34, T21S, R32E

SHL: 205' FSL & 1531' FEL, Sec 34

BHL: 100' FNL & 330' FEL, Sec 27

Plan: Design #1

Standard Planning Report

30 September, 2020

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico NAD 83
Site: Bilbrey 34/27 W0PA Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 100' FNL & 330' FEL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 W0PA Fed Com #1H
TVD Reference: WELL @ 3746.0usft (Original Well Elev)
MD Reference: WELL @ 3746.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Bilbrey 34/27 W0PA Fed Com #1H		
Site Position:		Northing:	520,298.00 usft
From:	Map	Easting:	749,390.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.4285606
		Longitude:	-103.6590217
		Grid Convergence:	0.36 °

Well	Sec 34, T21S, R32E		
Well Position	+N-S	0.0 usft	Northing: 520,298.00 usft
	+E-W	0.0 usft	Easting: 749,390.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,746.0 usft
		Latitude:	32.4285606
		Longitude:	-103.6590217
		Ground Level:	3,718.0 usft

Wellbore	BHL: 100' FNL & 330' FEL, Sec 27		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	12/31/2014	(°)
			7.20
			Dip Angle
			(°)
			60.27
			Field Strength
			(nT)
			48,373

Design	Design #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			6.34

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N-S	+E-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
850.0	0.00	0.00	850.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,187.4	6.75	98.57	1,186.6	-3.0	19.6	2.00	2.00	0.00	98.57	
11,186.5	6.75	98.57	11,116.4	-178.0	1,181.4	0.00	0.00	0.00	0.00	
11,523.9	0.00	0.00	11,453.0	-181.0	1,201.0	2.00	-2.00	0.00	180.00	KOP: 10' FSL & 330' I
12,432.1	90.81	359.68	12,026.0	400.1	1,197.8	10.00	10.00	0.00	-0.32	
22,314.1	90.81	359.68	11,886.0	10,281.0	1,143.0	0.00	0.00	0.00	0.00	BHL: 100' FNL & 330'

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico NAD 83
Site: Bilbrey 34/27 W0PA Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 100' FNL & 330' FEL, Sec 27
Design: Design #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Bilbrey 34/27 W0PA Fed Com #1H
 WELL @ 3746.0usft (Original Well Elev)
 WELL @ 3746.0usft (Original Well Elev)
 Grid
 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
SHL: 205' FSL & 1531' FEL [34]									
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
850.0	0.00	0.00	850.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	1.00	98.57	900.0	-0.1	0.4	0.0	2.00	2.00	0.00
1,000.0	3.00	98.57	999.9	-0.6	3.9	-0.2	2.00	2.00	0.00
1,100.0	5.00	98.57	1,099.7	-1.6	10.8	-0.4	2.00	2.00	0.00
1,187.4	6.75	98.57	1,186.6	-3.0	19.6	-0.8	2.00	2.00	0.00
1,200.0	6.75	98.57	1,199.1	-3.2	21.1	-0.8	0.00	0.00	0.00
1,300.0	6.75	98.57	1,298.4	-4.9	32.7	-1.3	0.00	0.00	0.00
1,400.0	6.75	98.57	1,397.7	-6.7	44.3	-1.7	0.00	0.00	0.00
1,500.0	6.75	98.57	1,497.1	-8.4	55.9	-2.2	0.00	0.00	0.00
1,600.0	6.75	98.57	1,596.4	-10.2	67.6	-2.7	0.00	0.00	0.00
1,700.0	6.75	98.57	1,695.7	-11.9	79.2	-3.1	0.00	0.00	0.00
1,800.0	6.75	98.57	1,795.0	-13.7	90.8	-3.6	0.00	0.00	0.00
1,900.0	6.75	98.57	1,894.3	-15.4	102.4	-4.0	0.00	0.00	0.00
2,000.0	6.75	98.57	1,993.6	-17.2	114.0	-4.5	0.00	0.00	0.00
2,100.0	6.75	98.57	2,092.9	-18.9	125.7	-4.9	0.00	0.00	0.00
2,200.0	6.75	98.57	2,192.2	-20.7	137.3	-5.4	0.00	0.00	0.00
2,300.0	6.75	98.57	2,291.5	-22.4	148.9	-5.8	0.00	0.00	0.00
2,400.0	6.75	98.57	2,390.8	-24.2	160.5	-6.3	0.00	0.00	0.00
2,500.0	6.75	98.57	2,490.1	-25.9	172.1	-6.8	0.00	0.00	0.00
2,600.0	6.75	98.57	2,589.4	-27.7	183.7	-7.2	0.00	0.00	0.00
2,700.0	6.75	98.57	2,688.7	-29.4	195.4	-7.7	0.00	0.00	0.00
2,800.0	6.75	98.57	2,788.1	-31.2	207.0	-8.1	0.00	0.00	0.00
2,900.0	6.75	98.57	2,887.4	-32.9	218.6	-8.6	0.00	0.00	0.00
3,000.0	6.75	98.57	2,986.7	-34.7	230.2	-9.0	0.00	0.00	0.00
3,100.0	6.75	98.57	3,086.0	-36.4	241.8	-9.5	0.00	0.00	0.00
3,200.0	6.75	98.57	3,185.3	-38.2	253.5	-10.0	0.00	0.00	0.00
3,300.0	6.75	98.57	3,284.6	-39.9	265.1	-10.4	0.00	0.00	0.00
3,400.0	6.75	98.57	3,383.9	-41.7	276.7	-10.9	0.00	0.00	0.00
3,500.0	6.75	98.57	3,483.2	-43.5	288.3	-11.3	0.00	0.00	0.00
3,600.0	6.75	98.57	3,582.5	-45.2	299.9	-11.8	0.00	0.00	0.00
3,700.0	6.75	98.57	3,681.8	-47.0	311.6	-12.2	0.00	0.00	0.00
3,800.0	6.75	98.57	3,781.1	-48.7	323.2	-12.7	0.00	0.00	0.00
3,900.0	6.75	98.57	3,880.4	-50.5	334.8	-13.2	0.00	0.00	0.00
4,000.0	6.75	98.57	3,979.7	-52.2	346.4	-13.6	0.00	0.00	0.00
4,100.0	6.75	98.57	4,079.0	-54.0	358.0	-14.1	0.00	0.00	0.00
4,200.0	6.75	98.57	4,178.4	-55.7	369.6	-14.5	0.00	0.00	0.00
4,300.0	6.75	98.57	4,277.7	-57.5	381.3	-15.0	0.00	0.00	0.00
4,400.0	6.75	98.57	4,377.0	-59.2	392.9	-15.4	0.00	0.00	0.00
4,500.0	6.75	98.57	4,476.3	-61.0	404.5	-15.9	0.00	0.00	0.00
4,600.0	6.75	98.57	4,575.6	-62.7	416.1	-16.3	0.00	0.00	0.00
4,700.0	6.75	98.57	4,674.9	-64.5	427.7	-16.8	0.00	0.00	0.00
4,800.0	6.75	98.57	4,774.2	-66.2	439.4	-17.3	0.00	0.00	0.00
4,900.0	6.75	98.57	4,873.5	-68.0	451.0	-17.7	0.00	0.00	0.00
5,000.0	6.75	98.57	4,972.8	-69.7	462.6	-18.2	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico NAD 83
Site: Bilbrey 34/27 W0PA Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 100' FNL & 330' FEL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 W0PA Fed Com #1H
TVD Reference: WELL @ 3746.0usft (Original Well Elev)
MD Reference: WELL @ 3746.0usft (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)
5,100.0	6.75	98.57	5,072.1	-71.5	474.2	-18.6	0.00	0.00	0.00
5,200.0	6.75	98.57	5,171.4	-73.2	485.8	-19.1	0.00	0.00	0.00
5,300.0	6.75	98.57	5,270.7	-75.0	497.5	-19.5	0.00	0.00	0.00
5,400.0	6.75	98.57	5,370.0	-76.7	509.1	-20.0	0.00	0.00	0.00
5,500.0	6.75	98.57	5,469.3	-78.5	520.7	-20.5	0.00	0.00	0.00
5,600.0	6.75	98.57	5,568.7	-80.2	532.3	-20.9	0.00	0.00	0.00
5,700.0	6.75	98.57	5,668.0	-82.0	543.9	-21.4	0.00	0.00	0.00
5,800.0	6.75	98.57	5,767.3	-83.7	555.5	-21.8	0.00	0.00	0.00
5,900.0	6.75	98.57	5,866.6	-85.5	567.2	-22.3	0.00	0.00	0.00
6,000.0	6.75	98.57	5,965.9	-87.2	578.8	-22.7	0.00	0.00	0.00
6,100.0	6.75	98.57	6,065.2	-89.0	590.4	-23.2	0.00	0.00	0.00
6,200.0	6.75	98.57	6,164.5	-90.7	602.0	-23.7	0.00	0.00	0.00
6,300.0	6.75	98.57	6,263.8	-92.5	613.6	-24.1	0.00	0.00	0.00
6,400.0	6.75	98.57	6,363.1	-94.2	625.3	-24.6	0.00	0.00	0.00
6,500.0	6.75	98.57	6,462.4	-96.0	636.9	-25.0	0.00	0.00	0.00
6,600.0	6.75	98.57	6,561.7	-97.7	648.5	-25.5	0.00	0.00	0.00
6,700.0	6.75	98.57	6,661.0	-99.5	660.1	-25.9	0.00	0.00	0.00
6,800.0	6.75	98.57	6,760.3	-101.2	671.7	-26.4	0.00	0.00	0.00
6,900.0	6.75	98.57	6,859.6	-103.0	683.3	-26.8	0.00	0.00	0.00
7,000.0	6.75	98.57	6,959.0	-104.7	695.0	-27.3	0.00	0.00	0.00
7,100.0	6.75	98.57	7,058.3	-106.5	706.6	-27.8	0.00	0.00	0.00
7,200.0	6.75	98.57	7,157.6	-108.2	718.2	-28.2	0.00	0.00	0.00
7,300.0	6.75	98.57	7,256.9	-110.0	729.8	-28.7	0.00	0.00	0.00
7,400.0	6.75	98.57	7,356.2	-111.7	741.4	-29.1	0.00	0.00	0.00
7,500.0	6.75	98.57	7,455.5	-113.5	753.1	-29.6	0.00	0.00	0.00
7,600.0	6.75	98.57	7,554.8	-115.2	764.7	-30.0	0.00	0.00	0.00
7,700.0	6.75	98.57	7,654.1	-117.0	776.3	-30.5	0.00	0.00	0.00
7,800.0	6.75	98.57	7,753.4	-118.7	787.9	-31.0	0.00	0.00	0.00
7,900.0	6.75	98.57	7,852.7	-120.5	799.5	-31.4	0.00	0.00	0.00
8,000.0	6.75	98.57	7,952.0	-122.2	811.2	-31.9	0.00	0.00	0.00
8,100.0	6.75	98.57	8,051.3	-124.0	822.8	-32.3	0.00	0.00	0.00
8,200.0	6.75	98.57	8,150.6	-125.7	834.4	-32.8	0.00	0.00	0.00
8,300.0	6.75	98.57	8,250.0	-127.5	846.0	-33.2	0.00	0.00	0.00
8,400.0	6.75	98.57	8,349.3	-129.3	857.6	-33.7	0.00	0.00	0.00
8,500.0	6.75	98.57	8,448.6	-131.0	869.2	-34.2	0.00	0.00	0.00
8,600.0	6.75	98.57	8,547.9	-132.8	880.9	-34.6	0.00	0.00	0.00
8,700.0	6.75	98.57	8,647.2	-134.5	892.5	-35.1	0.00	0.00	0.00
8,800.0	6.75	98.57	8,746.5	-136.3	904.1	-35.5	0.00	0.00	0.00
8,900.0	6.75	98.57	8,845.8	-138.0	915.7	-36.0	0.00	0.00	0.00
9,000.0	6.75	98.57	8,945.1	-139.8	927.3	-36.4	0.00	0.00	0.00
9,100.0	6.75	98.57	9,044.4	-141.5	939.0	-36.9	0.00	0.00	0.00
9,200.0	6.75	98.57	9,143.7	-143.3	950.6	-37.3	0.00	0.00	0.00
9,300.0	6.75	98.57	9,243.0	-145.0	962.2	-37.8	0.00	0.00	0.00
9,400.0	6.75	98.57	9,342.3	-146.8	973.8	-38.3	0.00	0.00	0.00
9,500.0	6.75	98.57	9,441.6	-148.5	985.4	-38.7	0.00	0.00	0.00
9,600.0	6.75	98.57	9,540.9	-150.3	997.1	-39.2	0.00	0.00	0.00
9,700.0	6.75	98.57	9,640.3	-152.0	1,008.7	-39.6	0.00	0.00	0.00
9,800.0	6.75	98.57	9,739.6	-153.8	1,020.3	-40.1	0.00	0.00	0.00
9,900.0	6.75	98.57	9,838.9	-155.5	1,031.9	-40.5	0.00	0.00	0.00
10,000.0	6.75	98.57	9,938.2	-157.3	1,043.5	-41.0	0.00	0.00	0.00
10,100.0	6.75	98.57	10,037.5	-159.0	1,055.1	-41.5	0.00	0.00	0.00
10,200.0	6.75	98.57	10,136.8	-160.8	1,066.8	-41.9	0.00	0.00	0.00
10,300.0	6.75	98.57	10,236.1	-162.5	1,078.4	-42.4	0.00	0.00	0.00
10,400.0	6.75	98.57	10,335.4	-164.3	1,090.0	-42.8	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico NAD 83
Site: Bilbrey 34/27 W0PA Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 100' FNL & 330' FEL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 W0PA Fed Com #1H
TVD Reference: WELL @ 3746.0usft (Original Well Elev)
MD Reference: WELL @ 3746.0usft (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)
10,500.0	6.75	98.57	10,434.7	-166.0	1,101.6	-43.3	0.00	0.00	0.00
10,600.0	6.75	98.57	10,534.0	-167.8	1,113.2	-43.7	0.00	0.00	0.00
10,700.0	6.75	98.57	10,633.3	-169.5	1,124.9	-44.2	0.00	0.00	0.00
10,800.0	6.75	98.57	10,732.6	-171.3	1,136.5	-44.7	0.00	0.00	0.00
10,900.0	6.75	98.57	10,831.9	-173.0	1,148.1	-45.1	0.00	0.00	0.00
11,000.0	6.75	98.57	10,931.2	-174.8	1,159.7	-45.6	0.00	0.00	0.00
11,100.0	6.75	98.57	11,030.6	-176.5	1,171.3	-46.0	0.00	0.00	0.00
11,186.5	6.75	98.57	11,116.4	-178.0	1,181.4	-46.4	0.00	0.00	0.00
11,200.0	6.48	98.57	11,129.9	-178.3	1,182.9	-46.5	2.00	-2.00	0.00
11,300.0	4.48	98.57	11,229.4	-179.7	1,192.4	-46.8	2.00	-2.00	0.00
11,400.0	2.48	98.57	11,329.2	-180.6	1,198.4	-47.1	2.00	-2.00	0.00
11,500.0	0.48	98.57	11,429.2	-181.0	1,200.9	-47.2	2.00	-2.00	0.00
11,523.9	0.00	0.00	11,453.0	-181.0	1,201.0	-47.2	2.00	-2.00	0.00
KOP: 10' FSL & 330' FEL [34]									
11,600.0	7.61	359.68	11,529.0	-175.9	1,201.0	-42.2	10.00	10.00	0.00
11,700.0	17.61	359.68	11,626.4	-154.1	1,200.9	-20.5	10.00	10.00	0.00
11,800.0	27.61	359.68	11,718.6	-115.7	1,200.6	17.6	10.00	10.00	0.00
11,822.3	29.84	359.68	11,738.2	-105.0	1,200.6	28.3	10.00	10.00	0.00
FTP: 100' FSL & 330' FEL [34]									
11,900.0	37.61	359.68	11,802.7	-61.9	1,200.3	71.1	10.00	10.00	0.00
12,000.0	47.61	359.68	11,876.2	5.7	1,200.0	138.2	10.00	10.00	0.00
12,100.0	57.61	359.68	11,936.9	85.0	1,199.5	217.1	10.00	10.00	0.00
12,200.0	67.61	359.68	11,982.8	173.7	1,199.0	305.1	10.00	10.00	0.00
12,300.0	77.61	359.68	12,012.7	269.0	1,198.5	399.8	10.00	10.00	0.00
12,400.0	87.60	359.68	12,025.6	368.1	1,198.0	498.2	10.00	10.00	0.00
12,432.0	90.81	359.68	12,026.0	400.1	1,197.8	530.0	10.00	10.00	0.00
LP: 600' FSL & 330' FEL [34]									
12,500.0	90.81	359.68	12,025.0	468.0	1,197.4	597.5	0.00	0.00	0.00
12,600.0	90.81	359.68	12,023.6	568.0	1,196.8	696.8	0.00	0.00	0.00
12,700.0	90.81	359.68	12,022.2	668.0	1,196.3	796.1	0.00	0.00	0.00
12,800.0	90.81	359.68	12,020.8	768.0	1,195.7	895.4	0.00	0.00	0.00
12,900.0	90.81	359.68	12,019.4	868.0	1,195.2	994.7	0.00	0.00	0.00
13,000.0	90.81	359.68	12,018.0	968.0	1,194.6	1,094.1	0.00	0.00	0.00
13,100.0	90.81	359.68	12,016.5	1,068.0	1,194.1	1,193.4	0.00	0.00	0.00
13,200.0	90.81	359.68	12,015.1	1,168.0	1,193.5	1,292.7	0.00	0.00	0.00
13,300.0	90.81	359.68	12,013.7	1,268.0	1,193.0	1,392.0	0.00	0.00	0.00
13,400.0	90.81	359.68	12,012.3	1,367.9	1,192.4	1,491.3	0.00	0.00	0.00
13,500.0	90.81	359.68	12,010.9	1,467.9	1,191.9	1,590.6	0.00	0.00	0.00
13,600.0	90.81	359.68	12,009.5	1,567.9	1,191.3	1,690.0	0.00	0.00	0.00
13,700.0	90.81	359.68	12,008.0	1,667.9	1,190.7	1,789.3	0.00	0.00	0.00
13,800.0	90.81	359.68	12,006.6	1,767.9	1,190.2	1,888.6	0.00	0.00	0.00
13,900.0	90.81	359.68	12,005.2	1,867.9	1,189.6	1,987.9	0.00	0.00	0.00
14,000.0	90.81	359.68	12,003.8	1,967.9	1,189.1	2,087.2	0.00	0.00	0.00
14,100.0	90.81	359.68	12,002.4	2,067.9	1,188.5	2,186.5	0.00	0.00	0.00
14,200.0	90.81	359.68	12,001.0	2,167.8	1,188.0	2,285.8	0.00	0.00	0.00
14,300.0	90.81	359.68	11,999.5	2,267.8	1,187.4	2,385.2	0.00	0.00	0.00
14,400.0	90.81	359.68	11,998.1	2,367.8	1,186.9	2,484.5	0.00	0.00	0.00
14,500.0	90.81	359.68	11,996.7	2,467.8	1,186.3	2,583.8	0.00	0.00	0.00
14,600.0	90.81	359.68	11,995.3	2,567.8	1,185.8	2,683.1	0.00	0.00	0.00
14,700.0	90.81	359.68	11,993.9	2,667.8	1,185.2	2,782.4	0.00	0.00	0.00
14,800.0	90.81	359.68	11,992.5	2,767.8	1,184.7	2,881.7	0.00	0.00	0.00
14,900.0	90.81	359.68	11,991.0	2,867.8	1,184.1	2,981.0	0.00	0.00	0.00
15,000.0	90.81	359.68	11,989.6	2,967.8	1,183.5	3,080.4	0.00	0.00	0.00

Planning Report

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Site: Bilbrey 34/27 W0PA Fed Com #1H
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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)
15,100.0	90.81	359.68	11,988.2	3,067.7	1,183.0	3,179.7	0.00	0.00	0.00
15,200.0	90.81	359.68	11,986.8	3,167.7	1,182.4	3,279.0	0.00	0.00	0.00
15,300.0	90.81	359.68	11,985.4	3,267.7	1,181.9	3,378.3	0.00	0.00	0.00
15,400.0	90.81	359.68	11,984.0	3,367.7	1,181.3	3,477.6	0.00	0.00	0.00
15,500.0	90.81	359.68	11,982.5	3,467.7	1,180.8	3,576.9	0.00	0.00	0.00
15,600.0	90.81	359.68	11,981.1	3,567.7	1,180.2	3,676.2	0.00	0.00	0.00
15,700.0	90.81	359.68	11,979.7	3,667.7	1,179.7	3,775.6	0.00	0.00	0.00
15,800.0	90.81	359.68	11,978.3	3,767.7	1,179.1	3,874.9	0.00	0.00	0.00
15,900.0	90.81	359.68	11,976.9	3,867.7	1,178.6	3,974.2	0.00	0.00	0.00
16,000.0	90.81	359.68	11,975.5	3,967.6	1,178.0	4,073.5	0.00	0.00	0.00
16,100.0	90.81	359.68	11,974.0	4,067.6	1,177.4	4,172.8	0.00	0.00	0.00
16,200.0	90.81	359.68	11,972.6	4,167.6	1,176.9	4,272.1	0.00	0.00	0.00
16,300.0	90.81	359.68	11,971.2	4,267.6	1,176.3	4,371.5	0.00	0.00	0.00
16,400.0	90.81	359.68	11,969.8	4,367.6	1,175.8	4,470.8	0.00	0.00	0.00
16,500.0	90.81	359.68	11,968.4	4,467.6	1,175.2	4,570.1	0.00	0.00	0.00
16,600.0	90.81	359.68	11,967.0	4,567.6	1,174.7	4,669.4	0.00	0.00	0.00
16,700.0	90.81	359.68	11,965.5	4,667.6	1,174.1	4,768.7	0.00	0.00	0.00
16,800.0	90.81	359.68	11,964.1	4,767.5	1,173.6	4,868.0	0.00	0.00	0.00
16,900.0	90.81	359.68	11,962.7	4,867.5	1,173.0	4,967.3	0.00	0.00	0.00
17,000.0	90.81	359.68	11,961.3	4,967.5	1,172.5	5,066.7	0.00	0.00	0.00
17,100.0	90.81	359.68	11,959.9	5,067.5	1,171.9	5,166.0	0.00	0.00	0.00
17,200.0	90.81	359.68	11,958.5	5,167.5	1,171.3	5,265.3	0.00	0.00	0.00
17,300.0	90.81	359.68	11,957.0	5,267.5	1,170.8	5,364.6	0.00	0.00	0.00
17,400.0	90.81	359.68	11,955.6	5,367.5	1,170.2	5,463.9	0.00	0.00	0.00
17,500.0	90.81	359.68	11,954.2	5,467.5	1,169.7	5,563.2	0.00	0.00	0.00
17,600.0	90.81	359.68	11,952.8	5,567.5	1,169.1	5,662.5	0.00	0.00	0.00
17,700.0	90.81	359.68	11,951.4	5,667.4	1,168.6	5,761.9	0.00	0.00	0.00
17,800.0	90.81	359.68	11,950.0	5,767.4	1,168.0	5,861.2	0.00	0.00	0.00
17,900.0	90.81	359.68	11,948.5	5,867.4	1,167.5	5,960.5	0.00	0.00	0.00
18,000.0	90.81	359.68	11,947.1	5,967.4	1,166.9	6,059.8	0.00	0.00	0.00
18,100.0	90.81	359.68	11,945.7	6,067.4	1,166.4	6,159.1	0.00	0.00	0.00
18,200.0	90.81	359.68	11,944.3	6,167.4	1,165.8	6,258.4	0.00	0.00	0.00
18,300.0	90.81	359.68	11,942.9	6,267.4	1,165.3	6,357.8	0.00	0.00	0.00
18,400.0	90.81	359.68	11,941.5	6,367.4	1,164.7	6,457.1	0.00	0.00	0.00
18,500.0	90.81	359.68	11,940.0	6,467.4	1,164.1	6,556.4	0.00	0.00	0.00
18,600.0	90.81	359.68	11,938.6	6,567.3	1,163.6	6,655.7	0.00	0.00	0.00
18,700.0	90.81	359.68	11,937.2	6,667.3	1,163.0	6,755.0	0.00	0.00	0.00
18,800.0	90.81	359.68	11,935.8	6,767.3	1,162.5	6,854.3	0.00	0.00	0.00
18,900.0	90.81	359.68	11,934.4	6,867.3	1,161.9	6,953.6	0.00	0.00	0.00
19,000.0	90.81	359.68	11,933.0	6,967.3	1,161.4	7,053.0	0.00	0.00	0.00
19,100.0	90.81	359.68	11,931.5	7,067.3	1,160.8	7,152.3	0.00	0.00	0.00
19,200.0	90.81	359.68	11,930.1	7,167.3	1,160.3	7,251.6	0.00	0.00	0.00
19,300.0	90.81	359.68	11,928.7	7,267.3	1,159.7	7,350.9	0.00	0.00	0.00
19,400.0	90.81	359.68	11,927.3	7,367.2	1,159.2	7,450.2	0.00	0.00	0.00
19,500.0	90.81	359.68	11,925.9	7,467.2	1,158.6	7,549.5	0.00	0.00	0.00
19,600.0	90.81	359.68	11,924.5	7,567.2	1,158.0	7,648.8	0.00	0.00	0.00
19,700.0	90.81	359.68	11,923.0	7,667.2	1,157.5	7,748.2	0.00	0.00	0.00
19,800.0	90.81	359.68	11,921.6	7,767.2	1,156.9	7,847.5	0.00	0.00	0.00
19,900.0	90.81	359.68	11,920.2	7,867.2	1,156.4	7,946.8	0.00	0.00	0.00
20,000.0	90.81	359.68	11,918.8	7,967.2	1,155.8	8,046.1	0.00	0.00	0.00
20,100.0	90.81	359.68	11,917.4	8,067.2	1,155.3	8,145.4	0.00	0.00	0.00
20,200.0	90.81	359.68	11,916.0	8,167.2	1,154.7	8,244.7	0.00	0.00	0.00
20,300.0	90.81	359.68	11,914.5	8,267.1	1,154.2	8,344.0	0.00	0.00	0.00
20,400.0	90.81	359.68	11,913.1	8,367.1	1,153.6	8,443.4	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico NAD 83
Site: Bilbrey 34/27 W0PA Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 100' FNL & 330' FEL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 W0PA Fed Com #1H
TVD Reference: WELL @ 3746.0usft (Original Well Elev)
MD Reference: WELL @ 3746.0usft (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)
20,500.0	90.81	359.68	11,911.7	8,467.1	1,153.1	8,542.7	0.00	0.00	0.00
20,600.0	90.81	359.68	11,910.3	8,567.1	1,152.5	8,642.0	0.00	0.00	0.00
20,700.0	90.81	359.68	11,908.9	8,667.1	1,151.9	8,741.3	0.00	0.00	0.00
20,800.0	90.81	359.68	11,907.5	8,767.1	1,151.4	8,840.6	0.00	0.00	0.00
20,900.0	90.81	359.68	11,906.0	8,867.1	1,150.8	8,939.9	0.00	0.00	0.00
21,000.0	90.81	359.68	11,904.6	8,967.1	1,150.3	9,039.3	0.00	0.00	0.00
21,100.0	90.81	359.68	11,903.2	9,067.0	1,149.7	9,138.6	0.00	0.00	0.00
21,200.0	90.81	359.68	11,901.8	9,167.0	1,149.2	9,237.9	0.00	0.00	0.00
21,300.0	90.81	359.68	11,900.4	9,267.0	1,148.6	9,337.2	0.00	0.00	0.00
21,400.0	90.81	359.68	11,898.9	9,367.0	1,148.1	9,436.5	0.00	0.00	0.00
21,500.0	90.81	359.68	11,897.5	9,467.0	1,147.5	9,535.8	0.00	0.00	0.00
21,600.0	90.81	359.68	11,896.1	9,567.0	1,147.0	9,635.1	0.00	0.00	0.00
21,700.0	90.81	359.68	11,894.7	9,667.0	1,146.4	9,734.5	0.00	0.00	0.00
21,800.0	90.81	359.68	11,893.3	9,767.0	1,145.8	9,833.8	0.00	0.00	0.00
21,900.0	90.81	359.68	11,891.9	9,867.0	1,145.3	9,933.1	0.00	0.00	0.00
22,000.0	90.81	359.68	11,890.4	9,966.9	1,144.7	10,032.4	0.00	0.00	0.00
22,100.0	90.81	359.68	11,889.0	10,066.9	1,144.2	10,131.7	0.00	0.00	0.00
22,200.0	90.81	359.68	11,887.6	10,166.9	1,143.6	10,231.0	0.00	0.00	0.00
22,300.0	90.81	359.68	11,886.2	10,266.9	1,143.1	10,330.3	0.00	0.00	0.00
22,314.1	90.81	359.68	11,886.0	10,281.0	1,143.0	10,344.3	0.00	0.00	0.00

BHL: 100' FNL & 330' FEL [27]

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: 205' FSL & 1531' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	520,298.00	749,390.00	32.4285606	-103.6590217
KOP: 10' FSL & 330' FE - plan hits target center - Point	0.00	0.00	11,453.0	-181.0	1,201.0	520,117.00	750,591.00	32.4280422	-103.6551332
FTP: 100' FSL & 330' FE - plan hits target center - Point	0.00	0.00	11,738.2	-105.0	1,200.6	520,193.00	750,590.58	32.4282511	-103.6551330
BHL: 100' FNL & 330' FE - plan hits target center - Point	0.00	0.01	11,886.0	10,281.0	1,143.0	530,579.00	750,533.00	32.4567992	-103.6551058
LP: 600' FSL & 330' FEL - plan hits target center - Point	0.00	0.00	12,026.0	400.1	1,197.8	520,698.10	750,587.78	32.4296395	-103.6551316

District I

1625 N. French Dr., Hobbs, NM 88240
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District II

811 S. First St., Artesia, NM 88210
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District III

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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 14300

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241	OGRID:	14744	Action Number:	14300	Action Type:	C-103A
OCD Reviewer									Condition
pkautz									None