

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-9720
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 30-025-43276	² Pool Code 5695	³ Pool Name BILBREY BASIN; BONE SPRING
⁴ P 316253	⁵ Property Name BILBREY 34/27 BZNC FED COM	⁶ Well Number 1H
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3742'

¹⁰ Surface Location

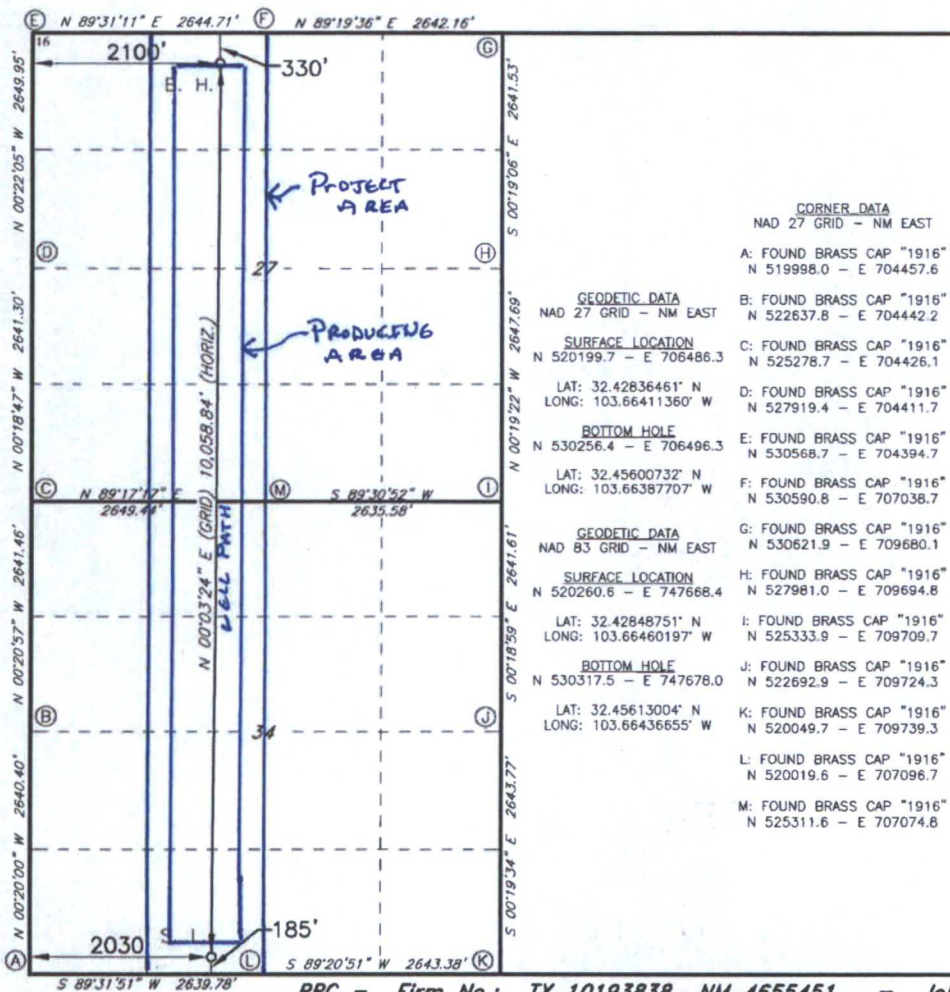
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
N	34	21S	32E		185	SOUTH	2030	WEST	LEA

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
C	27	21S	32E		330	NORTH	2100	WEST	LEA

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

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature **Bradley Bishop** Date **4-8-16**
Printed Name **BRADLEY BISHOP**

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.

2-18-2016

Date of Survey

Signature and Seal of Professional Surveyor

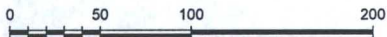
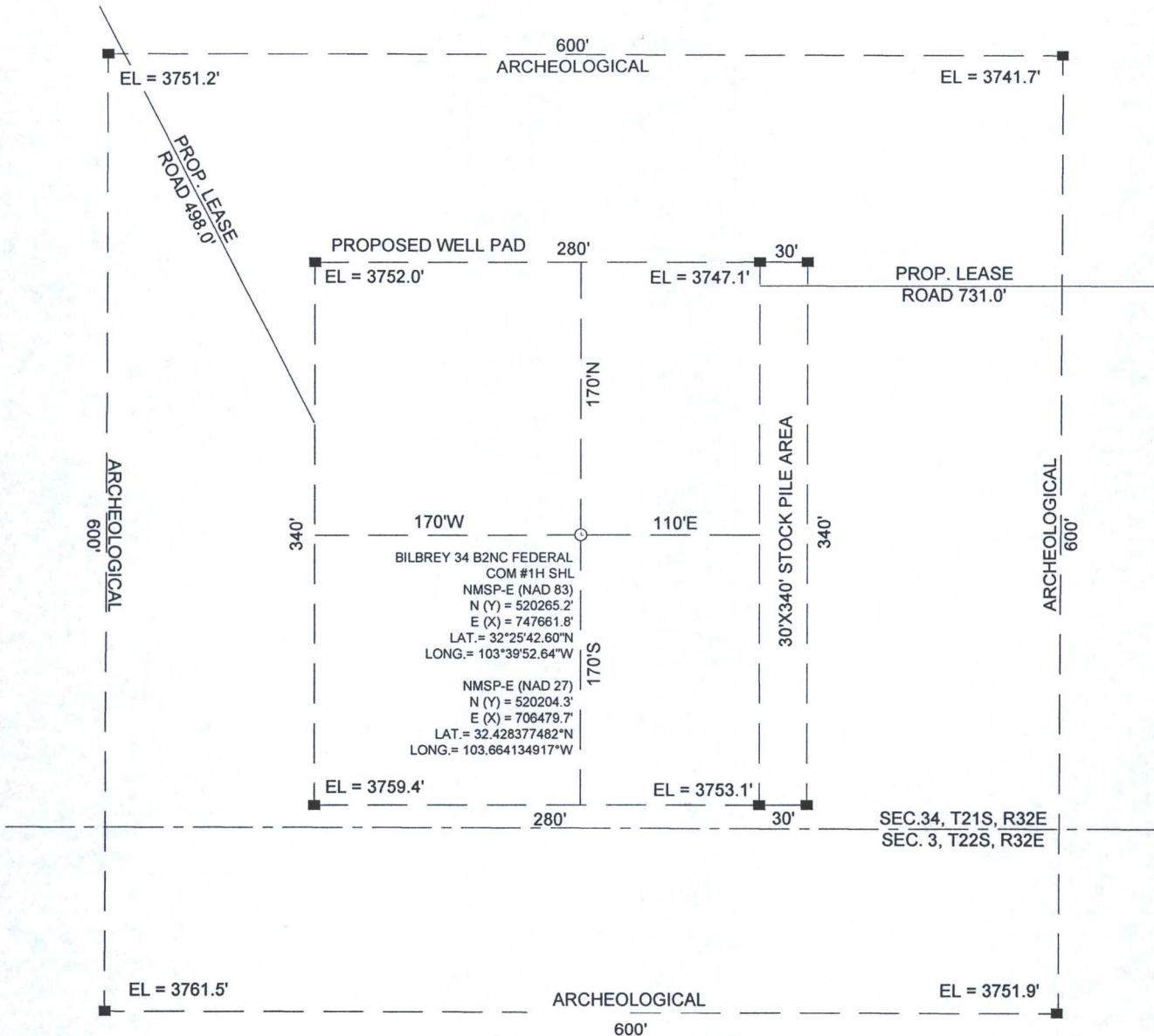
19680

Certificate Number

RRC - Firm No.: TX 10193838 NM 4655451 - Job No.: LS1602085

Exhibit "3"

SITE LOCATION



GRAPHIC SCALE 1" = 100'

SECTION 34, T 21S, R 32E, N.M.P.M.

COUNTY: LEA STATE: NM

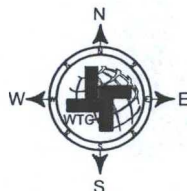
DESCRIPTION: 185' FSL & 2030' FWL

OPERATOR: MEWBOURNE OIL COMPANY

WELL NAME: BILBREY 34 B2NC FEDERAL COM #1H



WTC, INC.
405 S.W. 1st STREET
ANDREWS, TEXAS 79714
(432) 523-2181



DRIVING DIRECTIONS:

FROM THE INTERSECTION OF HWY 62-180 AND CAMPBELL ROAD, GO SOUTH ON CAMPBELL ROAD 5.8 MILES TURN LEFT ON LEASE ROAD, GO WEST 1 MILE AND TURN RIGHT, GO 1 MILE AND TURN RIGHT, GO 1.1 MILE AND TURN LEFT, GO 1 MILE AND TURN RIGHT, GO 1.6 MILES AND LATHE FOR PROPOSED ROAD IS ON THE WEST CORNER OF EXISTING PAD.



MEWBOURNE OIL COMPANY

JOB No.: WTC49690

LOCATION VERIFICATION MAP



0 1000 2000 4000

GRAPHIC SCALE 1" = 2000'

SECTION 34, T 21S, R 32E, N.M.P.M.

COUNTY: LEA STATE: NM

DESCRIPTION: 185' FSL & 2030' FWL

OPERATOR: MEWBOURNE OIL COMPANY

WELL NAME: BILBREY 34 B2NC FEDERAL COM #1H



DRIVING DIRECTIONS:

FROM THE INTERSECTION OF HWY 62-180 AND CAMPBELL ROAD, GO SOUTH ON CAMPBELL ROAD 5.8 MILES TURN LEFT ON LEASE ROAD, GO WEST 1 MILE AND TURN RIGHT, GO 1 MILE AND TURN RIGHT, GO 1.1 MILE AND TURN LEFT, GO 1 MILE AND TURN RIGHT, GO 1.6 MILES AND LATHE FOR PROPOSED ROAD IS ON THE WEST CORNER OF EXISTING PAD.



WTC, INC.
405 S.W. 1st STREET
ANDREWS, TEXAS 79714
(432) 523-2181

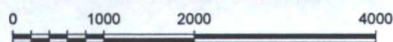


MEWBOURNE OIL COMPANY

JOB No.: WTC49690

C:\Users\jvillalva\Documents\MEWBOURNE\GIS\Projects\MEWBOURNE\MEWBOURNE_34_B2NC_FED_COM_#1H.dwg

AERIAL MAP



GRAPHIC SCALE 1" = 2000'

SECTION 34, T 21S, R 32E, N.M.P.M.

COUNTY: LEA STATE: NM

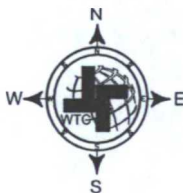
DESCRIPTION: 185' FSL & 2030' FWL

OPERATOR: MEWBOURNE OIL COMPANY

WELL NAME: BILBREY 34 B2NC FEDERAL COM #1H



WTC, INC.
405 S.W. 1st STREET
ANDREWS, TEXAS 79714
(432) 523-2181



DRIVING DIRECTIONS:

FROM THE INTERSECTION OF HWY 62-180 AND CAMPBELL ROAD, GO SOUTH ON CAMPBELL ROAD 5.8 MILES TURN LEFT ON LEASE ROAD, GO WEST 1 MILE AND TURN RIGHT, GO 1 MILE AND TURN RIGHT, GO 1.1 MILE AND TURN LEFT, GO 1 MILE AND TURN RIGHT, GO 1.6 MILES AND LATHE FOR PROPOSED ROAD IS ON THE WEST CORNER OF EXISTING PAD.



MEWBOURNE OIL COMPANY

JOB No.: WTC49690

34''



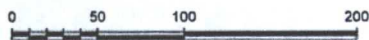
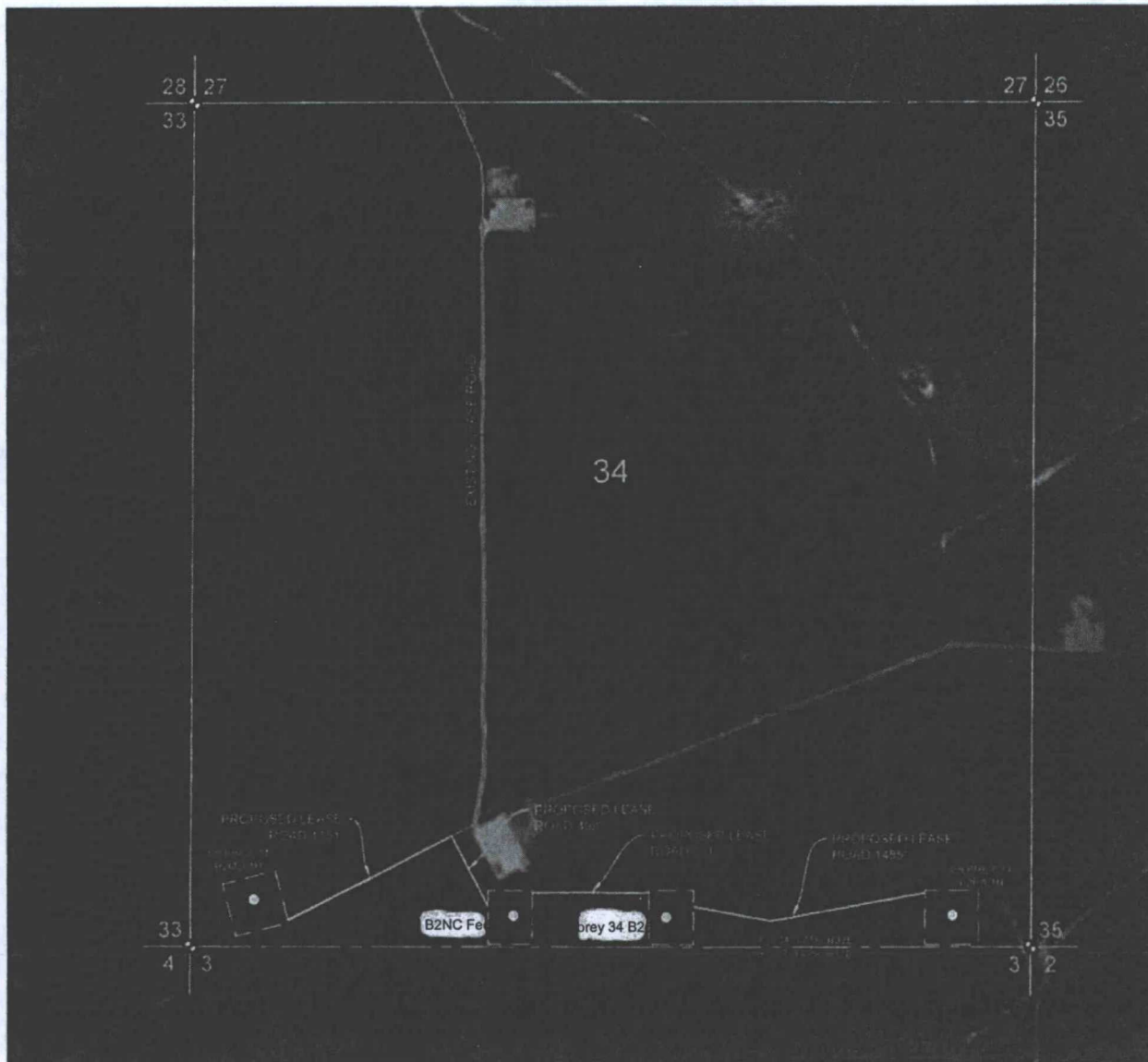
FROM THE INTERSECTION OF HWY 62-180 AND CAMPBELL ROAD, GO SOUTH ON CAMPBELL ROAD 5.8 MILES TURN LEFT ON LEASE ROAD, GO WEST 1 MILE AND TURN RIGHT, GO 1 MILE AND TURN RIGHT, GO 1.1 MILE AND TURN LEFT, GO 1 MILE AND TURN RIGHT, GO 1.6 MILES AND LATHE FOR PROPOSED ROAD IS ON THE WEST CORNER OF EXISTING PAD.



MEWBOURNE
OIL COMPANY

JOB No.: WTC49690

30"



GRAPHIC SCALE 1" = 100'

SECTION 34, T 21S, R 32E, N.M.P.M.

COUNTY: LEA STATE: NM

OPERATOR: MEWBOURNE OIL COMPANY

WELL NAME: BILBREY WELLS



WTC, INC.
405 S.W. 1st STREET
ANDREWS, TEXAS 79714
(432) 523-2181



ACCESS ROAD

DRIVING DIRECTIONS:
FROM THE INTERSECTION OF HWY 62-180 AND CAMPBELL ROAD, GO SOUTH ON CAMPBELL ROAD 5.8 MILES TURN LEFT ON LEASE ROAD, GO WEST 1 MILE AND TURN RIGHT, GO 1 MILE AND TURN RIGHT, GO 1.1 MILE AND TURN LEFT, GO 1 MILE AND TURN RIGHT, GO 1.6 MILES AND LATHE FOR PROPOSED ROAD IS ON THE WEST CORNER OF EXISTING PAD.



MEWBOURNE OIL COMPANY

JOB No.: WTC49690

This document is the property of Mewbourne Oil Company. It contains confidential information and is not to be distributed outside the company without prior written permission. If you are not an employee of Mewbourne Oil Company, you are not to use this information for any purpose other than the one for which it was provided. If you are an employee of Mewbourne Oil Company, you are not to use this information for any purpose other than the one for which it was provided. If you are an employee of Mewbourne Oil Company, you are not to use this information for any purpose other than the one for which it was provided.



Exhibit "3E"

existing access road

CR 29 - Campbell Rd

NM T21S R32E

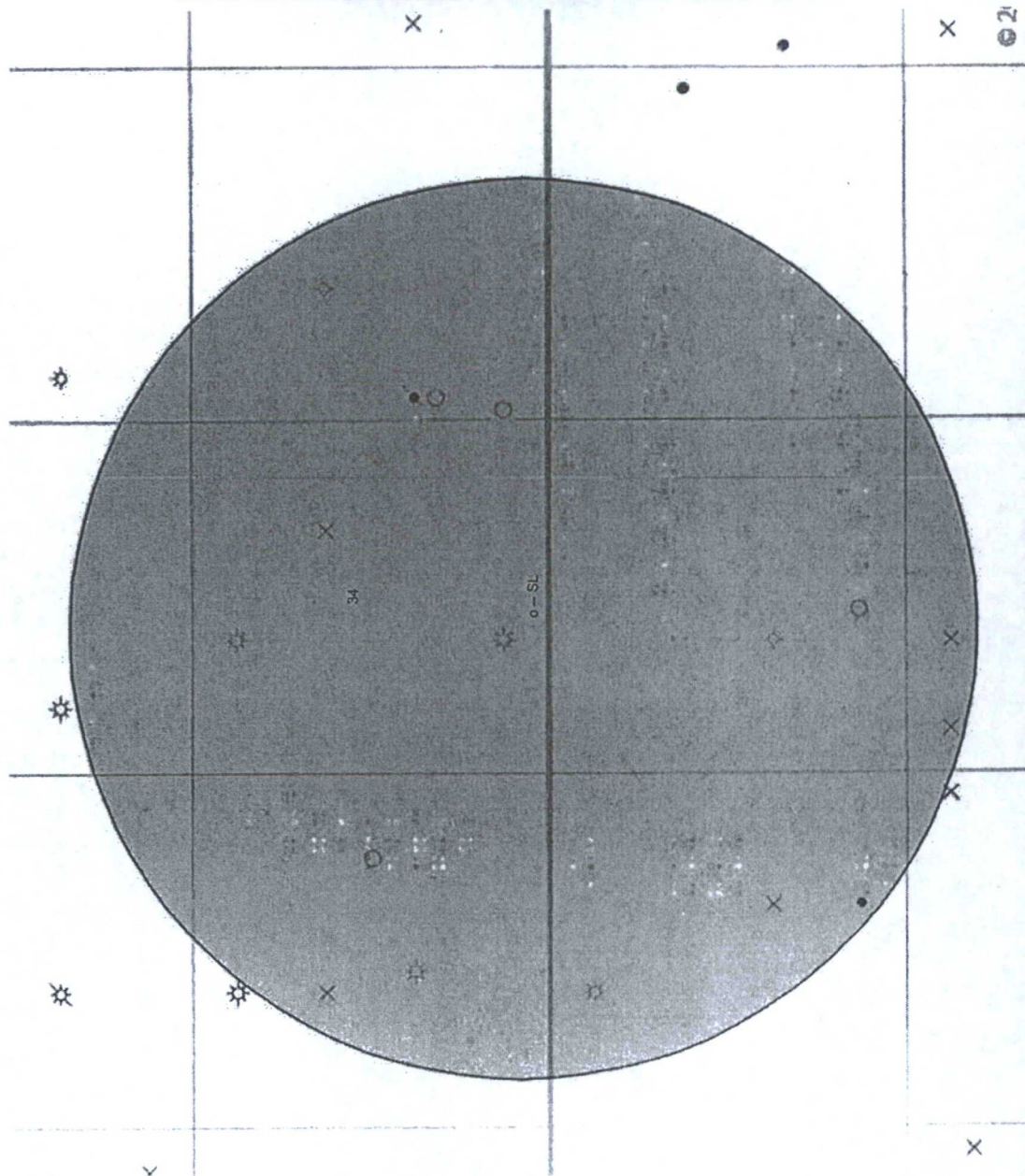
Proposed well site

Bilbrey NC

Google earth
Earth Point

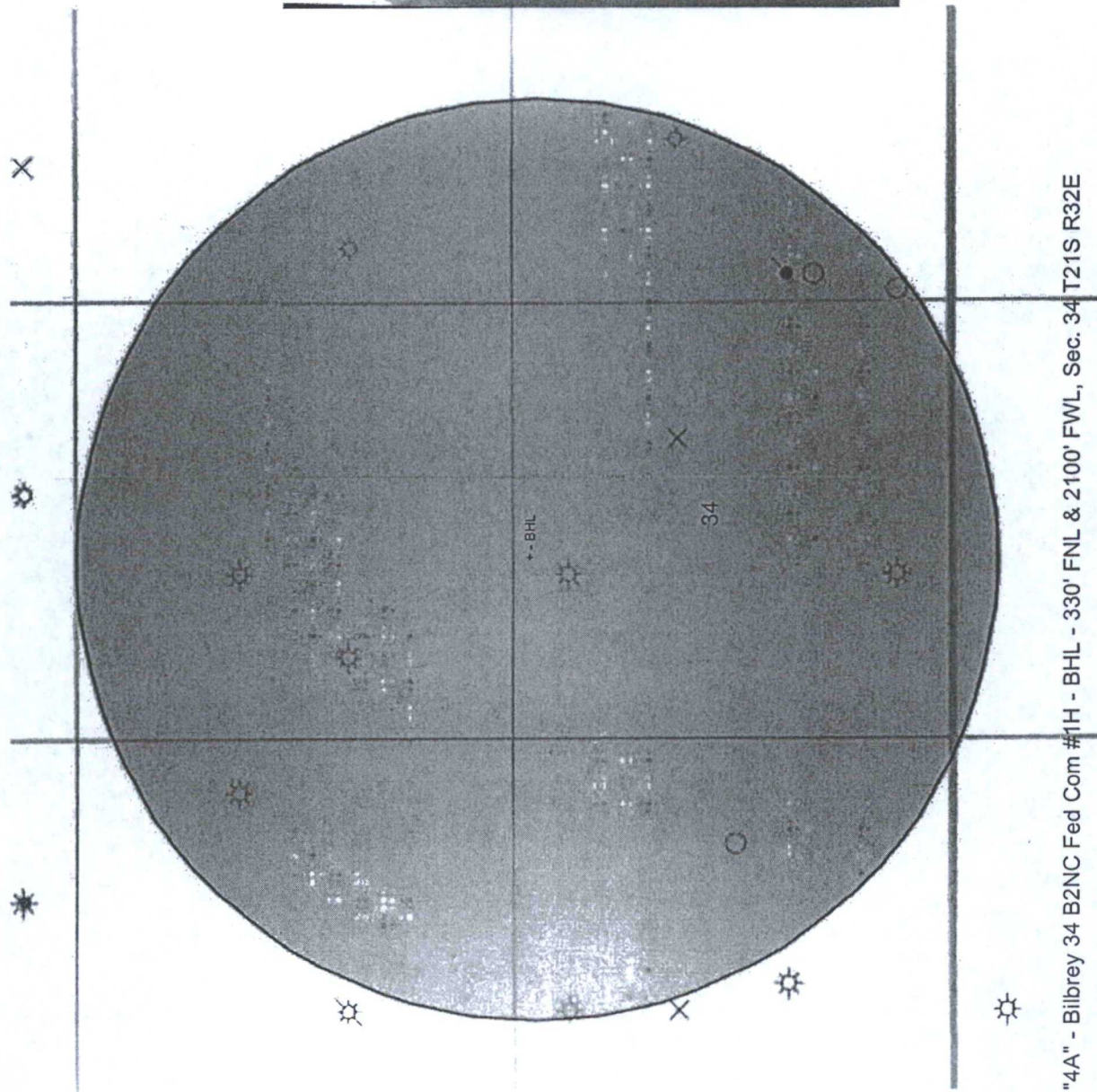
Imagery Date: 2/17/2014 32°26'46.35" N 103°41'29.49" W elev 3694 ft eye alt 34115 ft

1996



- Drilling (Well Start)
- × Abandoned Location (Permit)
- ☆ Gas Well
- Oil Well
- ✱ Oil and Gas Well
- Other (Observation, etc)
- ✱ Injection Well
- Suspended
- ✱ Plugged Gas Well
- ✱ Plugged Oil Well
- ✱ Plugged Oil and Gas
- ✱ Dry Hole (No Shows)
- ✱ Dry Hole w/Gas Show
- ✱ Dry Hole w/Oil Show
- ✱ Dry Hole w/Oil and Gas Show

Exhibit "4" - Bilbrey 34 B2NC Fed Com #1H - SL - 185' FSL & 2030' FWL, Sec. 34 T21S R32E



- Drilling (Well Start)
- × Abandoned Location (Permit)
- ☆ Gas Well
- Oil Well
- ✱ Oil and Gas Well
- Other (Observation, etc)
- ✧ Injection Well
- Suspended
- ✱ Plugged Gas Well
- ✱ Plugged Oil Well
- ✱ Plugged Oil and Gas
- ✱ Dry Hole (No Show)
- ✱ Dry Hole w/Gas Show
- ✱ Dry Hole w/Oil Show
- ✱ Dry Hole w/Oil and Gas Show

Exhibit "4A" - Bilbrey 34 B2NC Fed Com #1H - BHL - 330' FNL & 2100' FWL, Sec. 34 T21S R32E

Mewbourne Oil Company

Lea County, New Mexico

Bilbrey 34/27 B2NC Fed Com #1H

Sec 34, T21S, R32E

SL: 185' FSL & 2030' FWL, Sec 34

BHL: 330' FNL & 2100' FWL, Sec 27

Plan: Design #1

Standard Planning Report

19 February, 2016

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Bilbrey 34/27 B2NC Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3780.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3780.0usft (Original Well Elev)
Site:	Bilbrey 34/27 B2NC Fed Com #1H	North Reference:	Grid
Well:	Sec 34, T21S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 2100' FWL, Sec 27		
Design:	Design #1		

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		Bilbrey 34/27 B2NC Fed Com #1H				
Site Position:		Northing:	520,200.00 usft	Latitude:	32° 25' 42.116 N	
From:	Map	Easting:	706,486.00 usft	Longitude:	103° 39' 50.813 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.36 °

Well	Sec 34, T21S, R32E					
Well Position	+N/-S	0.0 usft	Northing:	520,200.00 usft	Latitude:	32° 25' 42.116 N
	+E/-W	0.0 usft	Easting:	706,486.00 usft	Longitude:	103° 39' 50.813 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,780.0 usft	Ground Level:	3,753.0 usft

Wellbore	BHL: 330' FNL & 2100' FWL, Sec 27				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/19/2016	7.07	60.24	48,258

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	0.15

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	
10,282.5	0.00	0.00	10,282.5	0.0	0.0	0.00	0.00	0.00	0.00	
11,035.5	90.36	0.15	10,760.0	480.5	1.2	12.00	12.00	0.00	0.15	
20,612.3	90.36	0.15	10,700.0	10,057.0	26.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 2100'

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico
 Site: Bilbrey 34/27 B2NC Fed Com #1H
 Well: Sec 34, T21S, R32E
 Wellbore: BHL: 330' FNL & 2100' FWL, Sec 27
 Design: Design #1

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

Site Bilbrey 34/27 B2NC Fed Com #1H
 WELL @ 3780.0usft (Original Well Elev)
 WELL @ 3780.0usft (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
SL: 185' FSL & 2030' FWL, Sec 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
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: Bilbrey 34/27 B2NC Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 2100' FWL, Sec 27
Design: Design #1

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

Site Bilbrey 34/27 B2NC Fed Com #1H
 WELL @ 3780.0usft (Original Well Elev)
 WELL @ 3780.0usft (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)
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
10,282.5	0.00	0.00	10,282.5	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 10283'									
10,300.0	2.10	0.15	10,300.0	0.3	0.0	0.3	12.00	12.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Bilbrey 34/27 B2NC Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 2100' FWL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 B2NC Fed Com #1H
TVD Reference: WELL @ 3780.0usft (Original Well Elev)
MD Reference: WELL @ 3780.0usft (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)
10,400.0	14.10	0.15	10,398.8	14.4	0.0	14.4	12.00	12.00	0.00
10,500.0	26.09	0.15	10,492.6	48.7	0.1	48.7	12.00	12.00	0.00
10,600.0	38.09	0.15	10,577.1	101.7	0.3	101.7	12.00	12.00	0.00
10,664.8	45.87	0.15	10,625.3	145.0	0.4	145.0	12.00	12.00	0.00
First Take Point: 330' FSL & 2031' FWL, Sec 34									
10,700.0	50.09	0.15	10,648.8	171.2	0.4	171.2	12.00	12.00	0.00
10,800.0	62.09	0.15	10,704.5	254.0	0.7	254.0	12.00	12.00	0.00
10,900.0	74.09	0.15	10,741.7	346.6	0.9	346.6	12.00	12.00	0.00
11,000.0	86.09	0.15	10,758.9	444.9	1.2	444.9	12.00	12.00	0.00
11,035.6	90.36	0.15	10,760.0	480.5	1.2	480.5	11.99	11.99	0.00
LP: 665' FSL & 2033' FWL, Sec 34									
11,100.0	90.36	0.15	10,759.6	544.9	1.4	544.9	0.00	0.00	0.00
11,200.0	90.36	0.15	10,759.0	644.9	1.7	644.9	0.00	0.00	0.00
11,300.0	90.36	0.15	10,758.3	744.9	1.9	744.9	0.00	0.00	0.00
11,400.0	90.36	0.15	10,757.7	844.9	2.2	844.9	0.00	0.00	0.00
11,500.0	90.36	0.15	10,757.1	944.9	2.4	944.9	0.00	0.00	0.00
11,600.0	90.36	0.15	10,756.5	1,044.9	2.7	1,044.9	0.00	0.00	0.00
11,700.0	90.36	0.15	10,755.8	1,144.9	3.0	1,144.9	0.00	0.00	0.00
11,800.0	90.36	0.15	10,755.2	1,244.9	3.2	1,244.9	0.00	0.00	0.00
11,900.0	90.36	0.15	10,754.6	1,344.9	3.5	1,344.9	0.00	0.00	0.00
12,000.0	90.36	0.15	10,754.0	1,444.9	3.7	1,444.9	0.00	0.00	0.00
12,100.0	90.36	0.15	10,753.3	1,544.9	4.0	1,544.9	0.00	0.00	0.00
12,200.0	90.36	0.15	10,752.7	1,644.9	4.3	1,644.9	0.00	0.00	0.00
12,300.0	90.36	0.15	10,752.1	1,744.9	4.5	1,744.9	0.00	0.00	0.00
12,400.0	90.36	0.15	10,751.5	1,844.9	4.8	1,844.9	0.00	0.00	0.00
12,500.0	90.36	0.15	10,750.8	1,944.9	5.0	1,944.9	0.00	0.00	0.00
12,600.0	90.36	0.15	10,750.2	2,044.9	5.3	2,044.9	0.00	0.00	0.00
12,700.0	90.36	0.15	10,749.6	2,144.9	5.5	2,144.9	0.00	0.00	0.00
12,800.0	90.36	0.15	10,748.9	2,244.9	5.8	2,244.9	0.00	0.00	0.00
12,900.0	90.36	0.15	10,748.3	2,344.9	6.1	2,344.9	0.00	0.00	0.00
13,000.0	90.36	0.15	10,747.7	2,444.9	6.3	2,444.9	0.00	0.00	0.00
13,100.0	90.36	0.15	10,747.1	2,544.9	6.6	2,544.9	0.00	0.00	0.00
13,200.0	90.36	0.15	10,746.4	2,644.9	6.8	2,644.9	0.00	0.00	0.00
13,300.0	90.36	0.15	10,745.8	2,744.9	7.1	2,744.9	0.00	0.00	0.00
13,400.0	90.36	0.15	10,745.2	2,844.9	7.4	2,844.9	0.00	0.00	0.00
13,500.0	90.36	0.15	10,744.6	2,944.9	7.6	2,944.9	0.00	0.00	0.00
13,600.0	90.36	0.15	10,743.9	3,044.9	7.9	3,044.9	0.00	0.00	0.00
13,700.0	90.36	0.15	10,743.3	3,144.9	8.1	3,144.9	0.00	0.00	0.00
13,800.0	90.36	0.15	10,742.7	3,244.9	8.4	3,244.9	0.00	0.00	0.00
13,900.0	90.36	0.15	10,742.1	3,344.9	8.6	3,344.9	0.00	0.00	0.00
14,000.0	90.36	0.15	10,741.4	3,444.9	8.9	3,444.9	0.00	0.00	0.00
14,100.0	90.36	0.15	10,740.8	3,544.9	9.2	3,544.9	0.00	0.00	0.00
14,200.0	90.36	0.15	10,740.2	3,644.8	9.4	3,644.9	0.00	0.00	0.00
14,300.0	90.36	0.15	10,739.5	3,744.8	9.7	3,744.9	0.00	0.00	0.00
14,400.0	90.36	0.15	10,738.9	3,844.8	9.9	3,844.9	0.00	0.00	0.00
14,500.0	90.36	0.15	10,738.3	3,944.8	10.2	3,944.9	0.00	0.00	0.00
14,600.0	90.36	0.15	10,737.7	4,044.8	10.5	4,044.9	0.00	0.00	0.00
14,700.0	90.36	0.15	10,737.0	4,144.8	10.7	4,144.9	0.00	0.00	0.00
14,800.0	90.36	0.15	10,736.4	4,244.8	11.0	4,244.8	0.00	0.00	0.00
14,900.0	90.36	0.15	10,735.8	4,344.8	11.2	4,344.8	0.00	0.00	0.00
15,000.0	90.36	0.15	10,735.2	4,444.8	11.5	4,444.8	0.00	0.00	0.00
15,100.0	90.36	0.15	10,734.5	4,544.8	11.7	4,544.8	0.00	0.00	0.00
15,200.0	90.36	0.15	10,733.9	4,644.8	12.0	4,644.8	0.00	0.00	0.00
15,300.0	90.36	0.15	10,733.3	4,744.8	12.3	4,744.8	0.00	0.00	0.00

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico
 Site: Bilbrey 34/27 B2NC Fed Com #1H
 Well: Sec 34, T21S, R32E
 Wellbore: BHL: 330' FNL & 2100' FWL, Sec 27
 Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 B2NC Fed Com #1H
 TVD Reference: WELL @ 3780.0usft (Original Well Elev)
 MD Reference: WELL @ 3780.0usft (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	90.36	0.15	10,732.7	4,844.8	12.5	4,844.8	0.00	0.00	0.00
15,500.0	90.36	0.15	10,732.0	4,944.8	12.8	4,944.8	0.00	0.00	0.00
15,600.0	90.36	0.15	10,731.4	5,044.8	13.0	5,044.8	0.00	0.00	0.00
15,700.0	90.36	0.15	10,730.8	5,144.8	13.3	5,144.8	0.00	0.00	0.00
15,800.0	90.36	0.15	10,730.1	5,244.8	13.6	5,244.8	0.00	0.00	0.00
15,900.0	90.36	0.15	10,729.5	5,344.8	13.8	5,344.8	0.00	0.00	0.00
16,000.0	90.36	0.15	10,728.9	5,444.8	14.1	5,444.8	0.00	0.00	0.00
16,100.0	90.36	0.15	10,728.3	5,544.8	14.3	5,544.8	0.00	0.00	0.00
16,200.0	90.36	0.15	10,727.6	5,644.8	14.6	5,644.8	0.00	0.00	0.00
16,300.0	90.36	0.15	10,727.0	5,744.8	14.9	5,744.8	0.00	0.00	0.00
16,400.0	90.36	0.15	10,726.4	5,844.8	15.1	5,844.8	0.00	0.00	0.00
16,500.0	90.36	0.15	10,725.8	5,944.8	15.4	5,944.8	0.00	0.00	0.00
16,600.0	90.36	0.15	10,725.1	6,044.8	15.6	6,044.8	0.00	0.00	0.00
16,700.0	90.36	0.15	10,724.5	6,144.8	15.9	6,144.8	0.00	0.00	0.00
16,800.0	90.36	0.15	10,723.9	6,244.8	16.1	6,244.8	0.00	0.00	0.00
16,900.0	90.36	0.15	10,723.3	6,344.8	16.4	6,344.8	0.00	0.00	0.00
17,000.0	90.36	0.15	10,722.6	6,444.8	16.7	6,444.8	0.00	0.00	0.00
17,100.0	90.36	0.15	10,722.0	6,544.8	16.9	6,544.8	0.00	0.00	0.00
17,200.0	90.36	0.15	10,721.4	6,644.8	17.2	6,644.8	0.00	0.00	0.00
17,300.0	90.36	0.15	10,720.8	6,744.8	17.4	6,744.8	0.00	0.00	0.00
17,400.0	90.36	0.15	10,720.1	6,844.8	17.7	6,844.8	0.00	0.00	0.00
17,500.0	90.36	0.15	10,719.5	6,944.8	18.0	6,944.8	0.00	0.00	0.00
17,600.0	90.36	0.15	10,718.9	7,044.8	18.2	7,044.8	0.00	0.00	0.00
17,700.0	90.36	0.15	10,718.2	7,144.8	18.5	7,144.8	0.00	0.00	0.00
17,800.0	90.36	0.15	10,717.6	7,244.8	18.7	7,244.8	0.00	0.00	0.00
17,900.0	90.36	0.15	10,717.0	7,344.8	19.0	7,344.8	0.00	0.00	0.00
18,000.0	90.36	0.15	10,716.4	7,444.8	19.2	7,444.8	0.00	0.00	0.00
18,100.0	90.36	0.15	10,715.7	7,544.8	19.5	7,544.8	0.00	0.00	0.00
18,200.0	90.36	0.15	10,715.1	7,644.8	19.8	7,644.8	0.00	0.00	0.00
18,300.0	90.36	0.15	10,714.5	7,744.8	20.0	7,744.8	0.00	0.00	0.00
18,400.0	90.36	0.15	10,713.9	7,844.8	20.3	7,844.8	0.00	0.00	0.00
18,500.0	90.36	0.15	10,713.2	7,944.7	20.5	7,944.8	0.00	0.00	0.00
18,600.0	90.36	0.15	10,712.6	8,044.7	20.8	8,044.8	0.00	0.00	0.00
18,700.0	90.36	0.15	10,712.0	8,144.7	21.1	8,144.8	0.00	0.00	0.00
18,800.0	90.36	0.15	10,711.4	8,244.7	21.3	8,244.8	0.00	0.00	0.00
18,900.0	90.36	0.15	10,710.7	8,344.7	21.6	8,344.8	0.00	0.00	0.00
19,000.0	90.36	0.15	10,710.1	8,444.7	21.8	8,444.8	0.00	0.00	0.00
19,100.0	90.36	0.15	10,709.5	8,544.7	22.1	8,544.8	0.00	0.00	0.00
19,200.0	90.36	0.15	10,708.8	8,644.7	22.3	8,644.8	0.00	0.00	0.00
19,300.0	90.36	0.15	10,708.2	8,744.7	22.6	8,744.8	0.00	0.00	0.00
19,400.0	90.36	0.15	10,707.6	8,844.7	22.9	8,844.8	0.00	0.00	0.00
19,500.0	90.36	0.15	10,707.0	8,944.7	23.1	8,944.8	0.00	0.00	0.00
19,600.0	90.36	0.15	10,706.3	9,044.7	23.4	9,044.8	0.00	0.00	0.00
19,700.0	90.36	0.15	10,705.7	9,144.7	23.6	9,144.8	0.00	0.00	0.00
19,800.0	90.36	0.15	10,705.1	9,244.7	23.9	9,244.8	0.00	0.00	0.00
19,900.0	90.36	0.15	10,704.5	9,344.7	24.2	9,344.7	0.00	0.00	0.00
20,000.0	90.36	0.15	10,703.8	9,444.7	24.4	9,444.7	0.00	0.00	0.00
20,100.0	90.36	0.15	10,703.2	9,544.7	24.7	9,544.7	0.00	0.00	0.00
20,200.0	90.36	0.15	10,702.6	9,644.7	24.9	9,644.7	0.00	0.00	0.00
20,300.0	90.36	0.15	10,702.0	9,744.7	25.2	9,744.7	0.00	0.00	0.00
20,400.0	90.36	0.15	10,701.3	9,844.7	25.5	9,844.7	0.00	0.00	0.00
20,500.0	90.36	0.15	10,700.7	9,944.7	25.7	9,944.7	0.00	0.00	0.00
20,600.0	90.36	0.15	10,700.1	10,044.7	26.0	10,044.7	0.00	0.00	0.00
20,612.3	90.36	0.15	10,700.0	10,057.0	26.0	10,057.0	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Bilbrey 34/27 B2NC Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 2100' FWL, Sec 27
Design: Design #1

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

Site Bilbrey 34/27 B2NC Fed Com #1H
 WELL @ 3780.0usft (Original Well Elev)
 WELL @ 3780.0usft (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)
BHL: 330' FNL & 2100' FWL, Sec 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
SL: 185' FSL & 2030' FV - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	520,200.00	706,486.00	32° 25' 42.116 N	103° 39' 50.813 W
KOP @ 10283' - plan hits target center - Point	0.00	0.00	10,282.5	0.0	0.0	520,200.00	706,486.00	32° 25' 42.116 N	103° 39' 50.813 W
First Take Point: 330' FS - plan hits target center - Point	0.00	0.00	10,625.2	145.0	0.4	520,345.00	706,486.37	32° 25' 43.551 N	103° 39' 50.798 W
BHL: 330' FNL & 2100' F - plan hits target center - Point	0.00	0.00	10,700.0	10,057.0	26.0	530,257.00	706,512.00	32° 27' 21.632 N	103° 39' 49.774 W
LP: 665' FSL & 2033' FV - plan hits target center - Point	0.00	0.00	10,760.0	480.5	1.2	520,680.50	706,487.20	32° 25' 46.870 N	103° 39' 50.764 W

Bilbrey 34/27 B2NC Fed Com #1H

