

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

Form C-101
August 1, 2011

Permit 278673

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

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241		2. OGRID Number 14744
		3. API Number 30-025-46931
4. Property Code 327228	5. Property Name INLAND 26 23 B2OJ STATE COM	6. Well No. 001H

7. Surface Location

UL - Lot P	Section 26	Township 21S	Range 34E	Lot Idn P	Feet From 191	N/S Line S	Feet From 1247	E/W Line E	County Lea
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	---------------

8. Proposed Bottom Hole Location

UL - Lot J	Section 23	Township 21S	Range 34E	Lot Idn J	Feet From 2541	N/S Line S	Feet From 1980	E/W Line E	County Lea
---------------	---------------	-----------------	--------------	--------------	-------------------	---------------	-------------------	---------------	---------------

9. Pool Information

GRAMA RIDGE;BONE SPRING, NE	28435
-----------------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3679
16. Multiple N	17. Proposed Depth 18016	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 4/3/2020
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☐ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1800	1260	0
Int1	12.25	9.625	40	5700	1110	0
Prod	8.75	7	26	10400	610	5500
Liner1	6.125	4.5	13.5	18016	320	9931

Casing/Cement Program: Additional Comments

MOC proposed to drill & test the Bone Springs formation. H2S rule 118 does not apply because MOC has researched the area & no high concentrations were found. Will have on location & working all H2S safety equipment before Yates formation for safety & insurance purposes. Will stimulate as needed for production.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	1500	Schaffer
Double Ram	3000	3000	Schaffer
Annular	3000	1500	Schaffer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

OIL CONSERVATION DIVISION

Signature:

Printed Name: Electronically filed by Monty Whetstone	Approved By: Paul F Kautz
Title: Vice President Operations	Title: Geologist
Email Address: prodmgr@mewbourne.com	Approved Date: 3/5/2020 Expiration Date: 3/5/2022
Date: 3/3/2020 Phone: 903-561-2900	Conditions of Approval Attached

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 30-025-46931		² Pool Code 28435		³ Pool Name GRAMA RIDGE NE; BONE SPRING, NE					
⁴ Property Code 327228		⁵ Property Name INLAND 26/23 B20J STATE COM						⁶ Well Number 1H	
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3679'	
¹⁰ Surface Location									
UL or lot no. P	Section 26	Township 21S	Range 34E	Lot Idn	Feet from the 191	North/South line SOUTH	Feet From the 1247	East/West line EAST	County LEA
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. J	Section 23	Township 21S	Range 34E	Lot Idn	Feet from the 2541	North/South line SOUTH	Feet from the 1980	East/West line EAST	County LEA
¹² Dedicated Acres 240		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.

GEODETIC DATA
NAD 83 GRID - NM EAST
SURFACE LOCATION
N 526146.1 - E 818120.4
LAT: 32.4432446° N
LONG: 103.4361234° W
BOTTOM HOLE
N 533769.1 - E 817323.0
LAT: 32.4642147° N
LONG: 103.4385008° W
CORNER DATA
NAD 83 GRID - NM EAST
A: FOUND BRASS CAP "1913"
N 525908.6 - E 814091.1
B: FOUND BRASS CAP "1913"
N 528550.2 - E 814068.2
C: FOUND BRASS CAP "1913"
N 531191.3 - E 814045.0
D: FOUND BRASS CAP "1913"
N 533832.2 - E 814022.3
E: FOUND BRASS CAP "1913"
N 536472.7 - E 814000.1
F: FOUND BRASS CAP "1913"
N 536502.5 - E 816639.6
G: FOUND BRASS CAP "1913"
N 536533.2 - E 819279.7
H: FOUND BRASS CAP "1913"
N 533891.2 - E 819301.8
I: FOUND BRASS CAP "1913"
N 531252.0 - E 819322.8
J: FOUND BRASS CAP "1913"
N 528609.3 - E 819345.4
K: FOUND BRASS CAP "1913"
N 525969.8 - E 819368.3
L: FOUND BRASS CAP "1913"
N 525938.9 - E 816729.6
M: FOUND BRASS CAP "1913"
N 531220.6 - E 816683.8

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 or KAKNnization 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: 2/19/20
Printed Name: **BRADLEY BISHOP**
E-mail Address: **BBISHOP@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.

Date of Survey: **02-11-2020**
Signature and Seal of Professional Surveyor: *Robert M. Howett*
Certificate Number: **19680**

Job No.: **LS1810205R**

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

GAS CAPTURE PLAN

Date: 3/5/2020

☒ Original

Operator & OGRID No.: [14744] MEWBOURNE OIL CO

☐ Amended - Reason for
Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
INLAND 26 23 B2OJ STATE COM #001H	30-025-46931	P-26-21S-34E	0191S 1247E	10	None	ONLINE AFTER FRAC

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to TARGA MIDSTREAM SERVICES LLC and will be connected to TARGA MIDSTREAM SERVICES LLC Low Pressure gathering system located in Lea County, New Mexico. It will require 3400' of pipeline to connect the facility to Low Pressure gathering system. MEWBOURNE OIL CO provides (periodically) to TARGA MIDSTREAM SERVICES LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, MEWBOURNE OIL CO and TARGA MIDSTREAM SERVICES LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at TARGA MIDSTREAM SERVICES LLC Processing Plant located in Sec. 28, Twn. 21S, Rng. 37E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on TARGA MIDSTREAM SERVICES LLC system at that time. Based on current information, it is MEWBOURNE OIL CO's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Comments

Permit 278673

PERMIT COMMENTS

Operator Name and Address: MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241		API Number: 30-025-46931
		Well: INLAND 26 23 B2OJ STATE COM #001H

Created By	Comment	Comment Date
------------	---------	--------------

District I

1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Conditions

Permit 278673

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241	API Number: 30-025-46931
	Well: INLAND 26 23 B2OJ STATE COM #001H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing -- 3) Liner - Cement must tie back into production casing
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCB by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD. If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 5753703186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.

Mewbourne Oil Company

Lea County, New Mexico NAD 83

Inland 26/23 B2OJ St Com #1H

Sec 26, T21S, R34E

SHL: 191' FSL & 1247' FEL, Sec 26

BHL: 2541' FSL & 1980' FEL, Sec 23

Plan: Design #1

Standard Planning Report

02 March, 2020

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Inland 26/23 B2OJ St Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3707.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3707.0usft (Original Well Elev)
Site:	Inland 26/23 B2OJ St Com #1H	North Reference:	Grid
Well:	Sec 26, T21S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2541' FSL & 1980' FEL, Sec 23		
Design:	Design #1		

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	Inland 26/23 B2OJ St Com #1H					
Site Position:		Northing:	526,146.00 usft	Latitude:	32.4432445	
From:	Map	Easting:	818,120.00 usft	Longitude:	-103.4361247	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.48 °

Well	Sec 26, T21S, R34E					
Well Position	+N/-S	0.0 usft	Northing:	526,146.00 usft	Latitude:	32.4432445
	+E/-W	0.0 usft	Easting:	818,120.00 usft	Longitude:	-103.4361247
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,707.0 usft	Ground Level:	3,679.0 usft

Wellbore	BHL: 2541' FSL & 1980' FEL, Sec 23				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.10	60.32	48,405

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	354.03

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	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Inland 26/23 B2OJ St Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3707.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3707.0usft (Original Well Elev)
Site:	Inland 26/23 B2OJ St Com #1H	North Reference:	Grid
Well:	Sec 26, T21S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2541' FSL & 1980' FEL, Sec 23		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 191' FSL & 1247' FEL (Sec 26)									
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	1.50	255.52	1,900.0	-0.3	-1.3	-0.2	1.50	1.50	0.00
2,000.0	3.00	255.52	1,999.9	-1.3	-5.1	-0.8	1.50	1.50	0.00
2,100.0	4.50	255.52	2,099.7	-2.9	-11.4	-1.7	1.50	1.50	0.00
2,172.8	5.59	255.52	2,172.2	-4.5	-17.6	-2.7	1.50	1.50	0.00
2,200.0	5.59	255.52	2,199.3	-5.2	-20.2	-3.1	0.00	0.00	0.00
2,300.0	5.59	255.52	2,298.8	-7.6	-29.6	-4.5	0.00	0.00	0.00
2,400.0	5.59	255.52	2,398.3	-10.1	-39.0	-6.0	0.00	0.00	0.00
2,500.0	5.59	255.52	2,497.9	-12.5	-48.5	-7.4	0.00	0.00	0.00
2,600.0	5.59	255.52	2,597.4	-15.0	-57.9	-8.8	0.00	0.00	0.00
2,700.0	5.59	255.52	2,696.9	-17.4	-67.3	-10.3	0.00	0.00	0.00
2,800.0	5.59	255.52	2,796.4	-19.8	-76.8	-11.7	0.00	0.00	0.00
2,900.0	5.59	255.52	2,895.9	-22.3	-86.2	-13.2	0.00	0.00	0.00
3,000.0	5.59	255.52	2,995.5	-24.7	-95.6	-14.6	0.00	0.00	0.00
3,100.0	5.59	255.52	3,095.0	-27.1	-105.1	-16.1	0.00	0.00	0.00
3,200.0	5.59	255.52	3,194.5	-29.6	-114.5	-17.5	0.00	0.00	0.00
3,300.0	5.59	255.52	3,294.0	-32.0	-123.9	-18.9	0.00	0.00	0.00
3,400.0	5.59	255.52	3,393.6	-34.4	-133.4	-20.4	0.00	0.00	0.00
3,500.0	5.59	255.52	3,493.1	-36.9	-142.8	-21.8	0.00	0.00	0.00
3,600.0	5.59	255.52	3,592.6	-39.3	-152.2	-23.3	0.00	0.00	0.00
3,700.0	5.59	255.52	3,692.1	-41.7	-161.7	-24.7	0.00	0.00	0.00
3,800.0	5.59	255.52	3,791.7	-44.2	-171.1	-26.1	0.00	0.00	0.00
3,900.0	5.59	255.52	3,891.2	-46.6	-180.6	-27.6	0.00	0.00	0.00
4,000.0	5.59	255.52	3,990.7	-49.1	-190.0	-29.0	0.00	0.00	0.00
4,100.0	5.59	255.52	4,090.2	-51.5	-199.4	-30.5	0.00	0.00	0.00
4,200.0	5.59	255.52	4,189.8	-53.9	-208.9	-31.9	0.00	0.00	0.00
4,300.0	5.59	255.52	4,289.3	-56.4	-218.3	-33.4	0.00	0.00	0.00
4,400.0	5.59	255.52	4,388.8	-58.8	-227.7	-34.8	0.00	0.00	0.00
4,500.0	5.59	255.52	4,488.3	-61.2	-237.2	-36.2	0.00	0.00	0.00
4,600.0	5.59	255.52	4,587.9	-63.7	-246.6	-37.7	0.00	0.00	0.00
4,700.0	5.59	255.52	4,687.4	-66.1	-256.0	-39.1	0.00	0.00	0.00
4,800.0	5.59	255.52	4,786.9	-68.5	-265.5	-40.6	0.00	0.00	0.00
4,900.0	5.59	255.52	4,886.4	-71.0	-274.9	-42.0	0.00	0.00	0.00
5,000.0	5.59	255.52	4,986.0	-73.4	-284.3	-43.4	0.00	0.00	0.00
5,100.0	5.59	255.52	5,085.5	-75.8	-293.8	-44.9	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Inland 26/23 B2OJ St Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3707.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3707.0usft (Original Well Elev)
Site:	Inland 26/23 B2OJ St Com #1H	North Reference:	Grid
Well:	Sec 26, T21S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2541' FSL & 1980' FEL, Sec 23		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	5.59	255.52	5,185.0	-78.3	-303.2	-46.3	0.00	0.00	0.00
5,300.0	5.59	255.52	5,284.5	-80.7	-312.6	-47.8	0.00	0.00	0.00
5,400.0	5.59	255.52	5,384.1	-83.2	-322.1	-49.2	0.00	0.00	0.00
5,500.0	5.59	255.52	5,483.6	-85.6	-331.5	-50.7	0.00	0.00	0.00
5,600.0	5.59	255.52	5,583.1	-88.0	-340.9	-52.1	0.00	0.00	0.00
5,700.0	5.59	255.52	5,682.6	-90.5	-350.4	-53.5	0.00	0.00	0.00
5,800.0	5.59	255.52	5,782.1	-92.9	-359.8	-55.0	0.00	0.00	0.00
5,900.0	5.59	255.52	5,881.7	-95.3	-369.2	-56.4	0.00	0.00	0.00
6,000.0	5.59	255.52	5,981.2	-97.8	-378.7	-57.9	0.00	0.00	0.00
6,100.0	5.59	255.52	6,080.7	-100.2	-388.1	-59.3	0.00	0.00	0.00
6,200.0	5.59	255.52	6,180.2	-102.6	-397.5	-60.7	0.00	0.00	0.00
6,300.0	5.59	255.52	6,279.8	-105.1	-407.0	-62.2	0.00	0.00	0.00
6,400.0	5.59	255.52	6,379.3	-107.5	-416.4	-63.6	0.00	0.00	0.00
6,500.0	5.59	255.52	6,478.8	-110.0	-425.8	-65.1	0.00	0.00	0.00
6,600.0	5.59	255.52	6,578.3	-112.4	-435.3	-66.5	0.00	0.00	0.00
6,700.0	5.59	255.52	6,677.9	-114.8	-444.7	-68.0	0.00	0.00	0.00
6,800.0	5.59	255.52	6,777.4	-117.3	-454.1	-69.4	0.00	0.00	0.00
6,900.0	5.59	255.52	6,876.9	-119.7	-463.6	-70.8	0.00	0.00	0.00
7,000.0	5.59	255.52	6,976.4	-122.1	-473.0	-72.3	0.00	0.00	0.00
7,100.0	5.59	255.52	7,076.0	-124.6	-482.5	-73.7	0.00	0.00	0.00
7,200.0	5.59	255.52	7,175.5	-127.0	-491.9	-75.2	0.00	0.00	0.00
7,300.0	5.59	255.52	7,275.0	-129.4	-501.3	-76.6	0.00	0.00	0.00
7,400.0	5.59	255.52	7,374.5	-131.9	-510.8	-78.0	0.00	0.00	0.00
7,500.0	5.59	255.52	7,474.1	-134.3	-520.2	-79.5	0.00	0.00	0.00
7,600.0	5.59	255.52	7,573.6	-136.7	-529.6	-80.9	0.00	0.00	0.00
7,700.0	5.59	255.52	7,673.1	-139.2	-539.1	-82.4	0.00	0.00	0.00
7,800.0	5.59	255.52	7,772.6	-141.6	-548.5	-83.8	0.00	0.00	0.00
7,900.0	5.59	255.52	7,872.2	-144.1	-557.9	-85.3	0.00	0.00	0.00
8,000.0	5.59	255.52	7,971.7	-146.5	-567.4	-86.7	0.00	0.00	0.00
8,100.0	5.59	255.52	8,071.2	-148.9	-576.8	-88.1	0.00	0.00	0.00
8,200.0	5.59	255.52	8,170.7	-151.4	-586.2	-89.6	0.00	0.00	0.00
8,300.0	5.59	255.52	8,270.3	-153.8	-595.7	-91.0	0.00	0.00	0.00
8,400.0	5.59	255.52	8,369.8	-156.2	-605.1	-92.5	0.00	0.00	0.00
8,500.0	5.59	255.52	8,469.3	-158.7	-614.5	-93.9	0.00	0.00	0.00
8,600.0	5.59	255.52	8,568.8	-161.1	-624.0	-95.3	0.00	0.00	0.00
8,700.0	5.59	255.52	8,668.3	-163.5	-633.4	-96.8	0.00	0.00	0.00
8,800.0	5.59	255.52	8,767.9	-166.0	-642.8	-98.2	0.00	0.00	0.00
8,900.0	5.59	255.52	8,867.4	-168.4	-652.3	-99.7	0.00	0.00	0.00
9,000.0	5.59	255.52	8,966.9	-170.9	-661.7	-101.1	0.00	0.00	0.00
9,100.0	5.59	255.52	9,066.4	-173.3	-671.1	-102.6	0.00	0.00	0.00
9,200.0	5.59	255.52	9,166.0	-175.7	-680.6	-104.0	0.00	0.00	0.00
9,300.0	5.59	255.52	9,265.5	-178.2	-690.0	-105.4	0.00	0.00	0.00
9,400.0	5.59	255.52	9,365.0	-180.6	-699.4	-106.9	0.00	0.00	0.00
9,500.0	5.59	255.52	9,464.5	-183.0	-708.9	-108.3	0.00	0.00	0.00
9,558.6	5.59	255.52	9,522.8	-184.5	-714.4	-109.2	0.00	0.00	0.00
9,600.0	4.97	255.52	9,564.1	-185.4	-718.1	-109.7	1.50	-1.50	0.00
9,700.0	3.47	255.52	9,663.8	-187.2	-725.2	-110.8	1.50	-1.50	0.00
9,800.0	1.97	255.52	9,763.7	-188.4	-729.8	-111.5	1.50	-1.50	0.00
9,900.0	0.47	255.52	9,863.7	-189.0	-731.9	-111.8	1.50	-1.50	0.00
9,931.3	0.00	0.00	9,895.0	-189.0	-732.0	-111.9	1.50	-1.50	0.00
KOP: 10' FSL & 1980' FEL (Sec 26)									
10,000.0	8.25	359.52	9,963.4	-184.1	-732.0	-106.9	12.01	12.01	0.00
10,100.0	20.26	359.52	10,060.2	-159.5	-732.2	-82.5	12.01	12.01	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Inland 26/23 B2OJ St Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3707.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3707.0usft (Original Well Elev)
Site:	Inland 26/23 B2OJ St Com #1H	North Reference:	Grid
Well:	Sec 26, T21S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2541' FSL & 1980' FEL, Sec 23		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,200.0	32.27	359.52	10,149.7	-115.3	-732.6	-38.5	12.01	12.01	0.00	
10,229.1	35.77	359.52	10,173.8	-99.0	-732.7	-22.3	12.01	12.01	0.00	
FTP: 100' FSL & 1980' FEL (Sec 26)										
10,300.0	44.28	359.52	10,228.1	-53.5	-733.1	23.0	12.01	12.01	0.00	
10,400.0	56.29	359.52	10,291.8	23.3	-733.8	99.5	12.01	12.01	0.00	
10,500.0	68.30	359.52	10,338.2	111.7	-734.5	187.4	12.01	12.01	0.00	
10,600.0	80.31	359.52	10,365.2	207.8	-735.3	283.1	12.01	12.01	0.00	
10,686.5	90.70	359.52	10,372.0	293.9	-736.0	368.8	12.01	12.01	0.00	
LP: 485' FSL & 1980' FEL (Sec 26)										
10,700.0	90.70	359.52	10,371.8	307.4	-736.1	382.2	0.00	0.00	0.00	
10,800.0	90.70	359.52	10,370.6	407.4	-737.0	481.8	0.00	0.00	0.00	
10,900.0	90.70	359.52	10,369.4	507.3	-737.8	581.3	0.00	0.00	0.00	
11,000.0	90.70	359.52	10,368.2	607.3	-738.6	680.8	0.00	0.00	0.00	
11,100.0	90.70	359.52	10,366.9	707.3	-739.5	780.4	0.00	0.00	0.00	
11,200.0	90.70	359.52	10,365.7	807.3	-740.3	879.9	0.00	0.00	0.00	
11,300.0	90.70	359.52	10,364.5	907.3	-741.1	979.4	0.00	0.00	0.00	
11,400.0	90.70	359.52	10,363.2	1,007.3	-742.0	1,079.0	0.00	0.00	0.00	
11,500.0	90.70	359.52	10,362.0	1,107.3	-742.8	1,178.5	0.00	0.00	0.00	
11,600.0	90.70	359.52	10,360.8	1,207.3	-743.6	1,278.0	0.00	0.00	0.00	
11,700.0	90.70	359.52	10,359.6	1,307.3	-744.4	1,377.6	0.00	0.00	0.00	
11,800.0	90.70	359.52	10,358.3	1,407.2	-745.3	1,477.1	0.00	0.00	0.00	
11,900.0	90.70	359.52	10,357.1	1,507.2	-746.1	1,576.6	0.00	0.00	0.00	
12,000.0	90.70	359.52	10,355.9	1,607.2	-746.9	1,676.2	0.00	0.00	0.00	
12,100.0	90.70	359.52	10,354.6	1,707.2	-747.8	1,775.7	0.00	0.00	0.00	
12,200.0	90.70	359.52	10,353.4	1,807.2	-748.6	1,875.2	0.00	0.00	0.00	
12,300.0	90.70	359.52	10,352.2	1,907.2	-749.4	1,974.8	0.00	0.00	0.00	
12,400.0	90.70	359.52	10,351.0	2,007.2	-750.3	2,074.3	0.00	0.00	0.00	
12,500.0	90.70	359.52	10,349.7	2,107.2	-751.1	2,173.8	0.00	0.00	0.00	
12,600.0	90.70	359.52	10,348.5	2,207.2	-751.9	2,273.4	0.00	0.00	0.00	
12,700.0	90.70	359.52	10,347.3	2,307.1	-752.8	2,372.9	0.00	0.00	0.00	
12,800.0	90.70	359.52	10,346.0	2,407.1	-753.6	2,472.4	0.00	0.00	0.00	
12,900.0	90.70	359.52	10,344.8	2,507.1	-754.4	2,572.0	0.00	0.00	0.00	
13,000.0	90.70	359.52	10,343.6	2,607.1	-755.3	2,671.5	0.00	0.00	0.00	
13,100.0	90.70	359.52	10,342.4	2,707.1	-756.1	2,771.0	0.00	0.00	0.00	
13,200.0	90.70	359.52	10,341.1	2,807.1	-756.9	2,870.6	0.00	0.00	0.00	
13,300.0	90.70	359.52	10,339.9	2,907.1	-757.8	2,970.1	0.00	0.00	0.00	
13,400.0	90.70	359.52	10,338.7	3,007.1	-758.6	3,069.6	0.00	0.00	0.00	
13,500.0	90.70	359.52	10,337.5	3,107.1	-759.4	3,169.2	0.00	0.00	0.00	
13,600.0	90.70	359.52	10,336.2	3,207.0	-760.3	3,268.7	0.00	0.00	0.00	
13,700.0	90.70	359.52	10,335.0	3,307.0	-761.1	3,368.2	0.00	0.00	0.00	
13,800.0	90.70	359.52	10,333.8	3,407.0	-761.9	3,467.8	0.00	0.00	0.00	
13,900.0	90.70	359.52	10,332.5	3,507.0	-762.8	3,567.3	0.00	0.00	0.00	
14,000.0	90.70	359.52	10,331.3	3,607.0	-763.6	3,666.8	0.00	0.00	0.00	
14,100.0	90.70	359.52	10,330.1	3,707.0	-764.4	3,766.4	0.00	0.00	0.00	
14,200.0	90.70	359.52	10,328.9	3,807.0	-765.2	3,865.9	0.00	0.00	0.00	
14,300.0	90.70	359.52	10,327.6	3,907.0	-766.1	3,965.4	0.00	0.00	0.00	
14,400.0	90.70	359.52	10,326.4	4,007.0	-766.9	4,065.0	0.00	0.00	0.00	
14,500.0	90.70	359.52	10,325.2	4,106.9	-767.7	4,164.5	0.00	0.00	0.00	
14,600.0	90.70	359.52	10,323.9	4,206.9	-768.6	4,264.0	0.00	0.00	0.00	
14,700.0	90.70	359.52	10,322.7	4,306.9	-769.4	4,363.6	0.00	0.00	0.00	
14,800.0	90.70	359.52	10,321.5	4,406.9	-770.2	4,463.1	0.00	0.00	0.00	
14,900.0	90.70	359.52	10,320.3	4,506.9	-771.1	4,562.6	0.00	0.00	0.00	
15,000.0	90.70	359.52	10,319.0	4,606.9	-771.9	4,662.2	0.00	0.00	0.00	
15,100.0	90.70	359.52	10,317.8	4,706.9	-772.7	4,761.7	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Inland 26/23 B2OJ St Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3707.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3707.0usft (Original Well Elev)
Site:	Inland 26/23 B2OJ St Com #1H	North Reference:	Grid
Well:	Sec 26, T21S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2541' FSL & 1980' FEL, Sec 23		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,200.0	90.70	359.52	10,316.6	4,806.9	-773.6	4,861.2	0.00	0.00	0.00
15,300.0	90.70	359.52	10,315.4	4,906.9	-774.4	4,960.8	0.00	0.00	0.00
15,400.0	90.70	359.52	10,314.1	5,006.8	-775.2	5,060.3	0.00	0.00	0.00
15,500.0	90.70	359.52	10,312.9	5,106.8	-776.1	5,159.9	0.00	0.00	0.00
15,600.0	90.70	359.52	10,311.7	5,206.8	-776.9	5,259.4	0.00	0.00	0.00
15,700.0	90.70	359.52	10,310.4	5,306.8	-777.7	5,358.9	0.00	0.00	0.00
15,800.0	90.70	359.52	10,309.2	5,406.8	-778.6	5,458.5	0.00	0.00	0.00
15,900.0	90.70	359.52	10,308.0	5,506.8	-779.4	5,558.0	0.00	0.00	0.00
16,000.0	90.70	359.52	10,306.8	5,606.8	-780.2	5,657.5	0.00	0.00	0.00
16,100.0	90.70	359.52	10,305.5	5,706.8	-781.1	5,757.1	0.00	0.00	0.00
16,200.0	90.70	359.52	10,304.3	5,806.8	-781.9	5,856.6	0.00	0.00	0.00
16,300.0	90.70	359.52	10,303.1	5,906.7	-782.7	5,956.1	0.00	0.00	0.00
16,400.0	90.70	359.52	10,301.8	6,006.7	-783.6	6,055.7	0.00	0.00	0.00
16,500.0	90.70	359.52	10,300.6	6,106.7	-784.4	6,155.2	0.00	0.00	0.00
16,600.0	90.70	359.52	10,299.4	6,206.7	-785.2	6,254.7	0.00	0.00	0.00
16,700.0	90.70	359.52	10,298.2	6,306.7	-786.0	6,354.3	0.00	0.00	0.00
16,800.0	90.70	359.52	10,296.9	6,406.7	-786.9	6,453.8	0.00	0.00	0.00
16,900.0	90.70	359.52	10,295.7	6,506.7	-787.7	6,553.3	0.00	0.00	0.00
17,000.0	90.70	359.52	10,294.5	6,606.7	-788.5	6,652.9	0.00	0.00	0.00
17,100.0	90.70	359.52	10,293.3	6,706.7	-789.4	6,752.4	0.00	0.00	0.00
17,200.0	90.70	359.52	10,292.0	6,806.6	-790.2	6,851.9	0.00	0.00	0.00
17,300.0	90.70	359.52	10,290.8	6,906.6	-791.0	6,951.5	0.00	0.00	0.00
17,400.0	90.70	359.52	10,289.6	7,006.6	-791.9	7,051.0	0.00	0.00	0.00
17,500.0	90.70	359.52	10,288.3	7,106.6	-792.7	7,150.5	0.00	0.00	0.00
17,600.0	90.70	359.52	10,287.1	7,206.6	-793.5	7,250.1	0.00	0.00	0.00
17,700.0	90.70	359.52	10,285.9	7,306.6	-794.4	7,349.6	0.00	0.00	0.00
17,800.0	90.70	359.52	10,284.7	7,406.6	-795.2	7,449.1	0.00	0.00	0.00
17,900.0	90.70	359.52	10,283.4	7,506.6	-796.0	7,548.7	0.00	0.00	0.00
18,000.0	90.70	359.52	10,282.2	7,606.6	-796.9	7,648.2	0.00	0.00	0.00
18,016.4	90.70	359.52	10,282.0	7,623.0	-797.0	7,664.6	0.00	0.00	0.00
BHL: 2541' FSL & 1980' FEL (Sec 23)									

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Inland 26/23 B2OJ St Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3707.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3707.0usft (Original Well Elev)
Site:	Inland 26/23 B2OJ St Com #1H	North Reference:	Grid
Well:	Sec 26, T21S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2541' FSL & 1980' FEL, Sec 23		
Design:	Design #1		

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: 191' FSL & 1247' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	526,146.00	818,120.00	32.4432445	-103.4361247
KOP: 10' FSL & 1980' FI - plan hits target center - Point	0.00	0.00	9,895.0	-189.0	-732.0	525,957.00	817,388.00	32.4427419	-103.4385025
FTP: 100' FSL & 1980' F - plan hits target center - Point	0.00	0.00	10,173.9	-99.0	-732.7	526,047.00	817,387.25	32.4429893	-103.4385024
BHL: 2541' FSL & 1980' - plan hits target center - Point	0.00	0.00	10,282.0	7,623.0	-797.0	533,769.00	817,323.00	32.4642145	-103.4385009
LP: 485' FSL & 1980' FE - plan hits target center - Point	0.00	0.00	10,372.0	293.9	-736.0	526,439.90	817,384.00	32.4440692	-103.4385023

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018