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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

Form C-101
August 1, 2011

Permit 296084

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

1. Operator Name and Address	2. OGRID Number
MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	14744
	3. API Number 30-015-48346

4. Property Code	5. Property Name	6. Well No.
330820	PARKCHESTER 24 23 B2MP STATE COM	001H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	24	19S	28E	P	1170	S	205	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	23	19S	28E	M	500	S	100	W	Eddy

9. Pool Information

SCANLON DRAW;BONE SPRING	55510

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3361
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	17834	2nd Bone Spring Sand		6/12/2021
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	350	305	0
Int1	12.25	9.625	36	965	270	0
Prod	8.75	7	26	8096	830	765
Liner1	6.125	4.5	13.5	17834	430	7194

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 equiptment 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.** Signature:		**OIL CONSERVATION DIVISION**	
Printed Name:	Electronically filed by Monty Whetstone	Approved By:	Kurt Simmons
Title:	Vice President Operations	Title:	Petroleum Specialist - A
Email Address:	prodmgr@mewbourne.com	Approved Date:	5/20/2021 Expiration Date: 5/20/2023
Date:	5/13/2021 Phone: 903-561-2900	Conditions of Approval Attached	

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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	2 Pool Code	3 Pool Name
	55510	SCANLON DRAW; BONE SPRING

4 Property Code	5 Property Name	6 Well Number
	PARKCHESTER 24/23 B2PM STATE COM	1H

7 OGRID NO.	8 Operator Name	9 Elevation
14744	MEWBOURNE OIL COMPANY	3361'

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
P	24	19S	28E		1170	SOUTH	205	EAST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	19S	28E		500	SOUTH	100	WEST	EDDY

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

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

16

GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION
N 597517.2 – E 606195.8

LAT: 32.6424463° N
LONG: 104.1226227° W

BOTTOM HOLE
N 596759.3 – E 596084.1

LAT: 32.6404138° N
LONG: 104.1554774° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1941"
N 596258.7 – E 595984.2

B: FOUND BRASS CAP "1941"
N 598897.7 – E 595983.6

C: FOUND BRASS CAP "1941"
N 601537.8 – E 595981.6

D: FOUND BRASS CAP "1941"
N 601556.9 – E 598579.0

E: FOUND BRASS CAP "1941"
N 601577.6 – E 601175.4

F: FOUND BRASS CAP "1941"
N 601613.1 – E 603784.4

G: FOUND BRASS CAP "1941"
N 601650.1 – E 606394.2

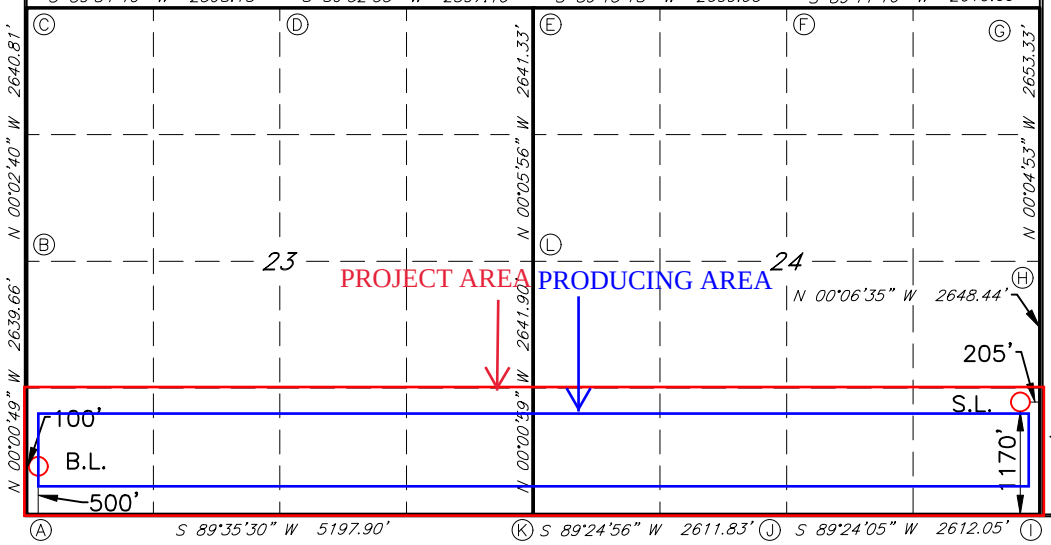
H: FOUND BRASS CAP "1941"
N 598997.4 – E 606397.9

I: FOUND BRASS CAP "1941"
N 596349.6 – E 606403.0

J: FOUND BRASS CAP "1941"
N 596322.3 – E 603791.7

K: FOUND BRASS CAP "1941"
N 596295.7 – E 601180.7

L: FOUND BRASS CAP "1941"
N 598937.0 – E 601179.9



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.

Bradley Bishop 5-12-21
Signature Date

BRADLEY BISHOP
Printed Name

BBISHOP@MEWBOURNE.COM
E-mail Address

18 SURVEYOR CERTIFICATION

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

4-25-18
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT M. HOWETT
NEW MEXICO
19680
PROFESSIONAL SURVEYOR

19680
Certificate Number

REV: BH & SL MOVE–4/1/21

Job No.: LS1804524R

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GAS CAPTURE PLAN

Date: 5/20/2021

☒ Original
☐ Amended - Reason for Amendment:

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

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete 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
PARKCHESTER 24 23 B2MP STATE COM #001H	30-015-48346	P-24-19S-28E	1170S 0205E	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 Enterprise Field Services, LLC and will be connected to Enterprise Field Services, LLC Low Pressure gathering system located in Eddy County, New Mexico. It will require 3400' of pipeline to connect the facility to Low Pressure gathering system. MEWBOURNE OIL CO provides (periodically) to Enterprise Field 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 Enterprise Field Services, LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Enterprise Field Services, LLC Processing Plant located in Sec. 17, Twn. 19S, Rng. 31E, Eddy 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 Enterprise Field 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

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Form APD Conditions

Permit 296084

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241	30-015-48346
	Well: PARKCHESTER 24 23 B2MP STATE COM #001H

OCD Reviewer	Condition
ksimmons	Notify OCD 24 hours prior to casing & cement
ksimmons	Will require a File As Drilled C-102 and a Directional Survey with the C-104
ksimmons	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	Surface casing must be set 25' below top of Rustler Anhydrite or salt in order to seal off protectable water
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system

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

Mewbourne Oil Company

Eddy County, New Mexico NAD 83
Parkchester 24/23 B2PM State Com #1H
Sec 24, T19S, R28E
SHL: 1170' FSL & 205' FEL, Sec 24
BHL: 500' FSL & 100' FEL, Sec 23

Plan: Design #1

Standard Planning Report

07 May, 2021

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Parkchester 24/23 B2PM State Com #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Site:	Parkchester 24/23 B2PM State Com #1H	**North Reference:**	Grid
Well:	Sec 24, T19S, R28E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' FEL, Sec 23		
Design:	Design #1		

Project Eddy County, New Mexico NAD 83

Map System:	US State Plane 1983	**System Datum:**	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Parkchester 24/23 B2PM State Com #1H

Site Position:		**Northing:**	597,517.20 usft	**Latitude:**	32.6424463
From:	Map	**Easting:**	606,195.20 usft	**Longitude:**	-104.1226246
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well Sec 24, T19S, R28E

Well Position	**+N/-S**	0.0 usft	**Northing:**	597,517.20 usft	**Latitude:**	32.6424463
	+E/-W	0.6 usft	**Easting:**	606,195.80 usft	**Longitude:**	-104.1226227
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	3,389.0 usft	**Ground Level:**	3,361.0 usft
Grid Convergence:		0.11 °				

Wellbore BHL: 500' FSL & 100' FEL, Sec 23

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.43	60.39	48,428.67435564

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	0.6	265.71

Plan Survey Tool Program **Date** 5/7/2021

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,833.9	Design #1 (BHL: 500' FSL & 100'		

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	0.6	0.00	0.00	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.6	0.00	0.00	0.00	0.00	
655.5	6.11	163.61	654.9	-15.6	5.2	2.00	2.00	0.00	163.61	
6,888.1	6.11	163.61	6,852.1	-652.1	192.4	0.00	0.00	0.00	0.00	
7,193.6	0.00	0.00	7,157.0	-667.7	197.0	2.00	-2.00	0.00	180.00	KOP: 500' FSL & 10' I
8,111.7	91.77	269.50	7,730.0	-672.9	-393.9	10.00	10.00	0.00	-90.50	
17,833.9	91.77	269.50	7,430.0	-757.9	-10,111.1	0.00	0.00	0.00	0.00	BHL: 500' FSL & 100'

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Parkchester 24/23 B2PM State Com #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Site:	Parkchester 24/23 B2PM State Com #1H	**North Reference:**	Grid
Well:	Sec 24, T19S, R28E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' 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	0.6	0.0	0.00	0.00	0.00
SHL: 1170' FSL & 205' FEL (Sec 24) - SHL: 1170' FSL & 205' FEL (Sec 24)									
100.0	0.00	0.00	100.0	0.0	0.6	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.6	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.6	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.6	0.0	0.00	0.00	0.00
400.0	1.00	163.61	400.0	-0.4	0.7	-0.1	2.00	2.00	0.00
500.0	3.00	163.61	499.9	-3.8	1.7	-0.8	2.00	2.00	0.00
600.0	5.00	163.61	599.7	-10.5	3.7	-2.3	2.00	2.00	0.00
655.5	6.11	163.61	654.9	-15.6	5.2	-3.4	2.00	2.00	0.00
700.0	6.11	163.61	699.2	-20.2	6.5	-4.4	0.00	0.00	0.00
800.0	6.11	163.61	798.6	-30.4	9.5	-6.6	0.00	0.00	0.00
900.0	6.11	163.61	898.0	-40.6	12.5	-8.9	0.00	0.00	0.00
1,000.0	6.11	163.61	997.5	-50.8	15.5	-11.1	0.00	0.00	0.00
1,100.0	6.11	163.61	1,096.9	-61.0	18.5	-13.3	0.00	0.00	0.00
1,200.0	6.11	163.61	1,196.3	-71.2	21.5	-15.6	0.00	0.00	0.00
1,300.0	6.11	163.61	1,295.8	-81.4	24.5	-17.8	0.00	0.00	0.00
1,400.0	6.11	163.61	1,395.2	-91.6	27.6	-20.0	0.00	0.00	0.00
1,500.0	6.11	163.61	1,494.6	-101.9	30.6	-22.3	0.00	0.00	0.00
1,600.0	6.11	163.61	1,594.1	-112.1	33.6	-24.5	0.00	0.00	0.00
1,700.0	6.11	163.61	1,693.5	-122.3	36.6	-26.7	0.00	0.00	0.00
1,800.0	6.11	163.61	1,792.9	-132.5	39.6	-29.0	0.00	0.00	0.00
1,900.0	6.11	163.61	1,892.4	-142.7	42.6	-31.2	0.00	0.00	0.00
2,000.0	6.11	163.61	1,991.8	-152.9	45.6	-33.4	0.00	0.00	0.00
2,100.0	6.11	163.61	2,091.2	-163.1	48.6	-35.6	0.00	0.00	0.00
2,200.0	6.11	163.61	2,190.6	-173.3	51.6	-37.9	0.00	0.00	0.00
2,300.0	6.11	163.61	2,290.1	-183.5	54.6	-40.1	0.00	0.00	0.00
2,400.0	6.11	163.61	2,389.5	-193.8	57.6	-42.3	0.00	0.00	0.00
2,500.0	6.11	163.61	2,488.9	-204.0	60.6	-44.6	0.00	0.00	0.00
2,600.0	6.11	163.61	2,588.4	-214.2	63.6	-46.8	0.00	0.00	0.00
2,700.0	6.11	163.61	2,687.8	-224.4	66.6	-49.0	0.00	0.00	0.00
2,800.0	6.11	163.61	2,787.2	-234.6	69.6	-51.3	0.00	0.00	0.00
2,900.0	6.11	163.61	2,886.7	-244.8	72.6	-53.5	0.00	0.00	0.00
3,000.0	6.11	163.61	2,986.1	-255.0	75.6	-55.7	0.00	0.00	0.00
3,100.0	6.11	163.61	3,085.5	-265.2	78.6	-58.0	0.00	0.00	0.00
3,200.0	6.11	163.61	3,185.0	-275.5	81.6	-60.2	0.00	0.00	0.00
3,300.0	6.11	163.61	3,284.4	-285.7	84.6	-62.4	0.00	0.00	0.00
3,400.0	6.11	163.61	3,383.8	-295.9	87.6	-64.7	0.00	0.00	0.00
3,500.0	6.11	163.61	3,483.3	-306.1	90.6	-66.9	0.00	0.00	0.00
3,600.0	6.11	163.61	3,582.7	-316.3	93.6	-69.1	0.00	0.00	0.00
3,700.0	6.11	163.61	3,682.1	-326.5	96.6	-71.4	0.00	0.00	0.00
3,800.0	6.11	163.61	3,781.6	-336.7	99.6	-73.6	0.00	0.00	0.00
3,900.0	6.11	163.61	3,881.0	-346.9	102.6	-75.8	0.00	0.00	0.00
4,000.0	6.11	163.61	3,980.4	-357.1	105.6	-78.1	0.00	0.00	0.00
4,100.0	6.11	163.61	4,079.9	-367.4	108.6	-80.3	0.00	0.00	0.00
4,200.0	6.11	163.61	4,179.3	-377.6	111.6	-82.5	0.00	0.00	0.00
4,300.0	6.11	163.61	4,278.7	-387.8	114.6	-84.7	0.00	0.00	0.00
4,400.0	6.11	163.61	4,378.1	-398.0	117.7	-87.0	0.00	0.00	0.00
4,500.0	6.11	163.61	4,477.6	-408.2	120.7	-89.2	0.00	0.00	0.00
4,600.0	6.11	163.61	4,577.0	-418.4	123.7	-91.4	0.00	0.00	0.00
4,700.0	6.11	163.61	4,676.4	-428.6	126.7	-93.7	0.00	0.00	0.00
4,800.0	6.11	163.61	4,775.9	-438.8	129.7	-95.9	0.00	0.00	0.00
4,900.0	6.11	163.61	4,875.3	-449.1	132.7	-98.1	0.00	0.00	0.00
5,000.0	6.11	163.61	4,974.7	-459.3	135.7	-100.4	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Parkchester 24/23 B2PM State Com #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Site:	Parkchester 24/23 B2PM State Com #1H	**North Reference:**	Grid
Well:	Sec 24, T19S, R28E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' 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)
5,100.0	6.11	163.61	5,074.2	-469.5	138.7	-102.6	0.00	0.00	0.00
5,200.0	6.11	163.61	5,173.6	-479.7	141.7	-104.8	0.00	0.00	0.00
5,300.0	6.11	163.61	5,273.0	-489.9	144.7	-107.1	0.00	0.00	0.00
5,400.0	6.11	163.61	5,372.5	-500.1	147.7	-109.3	0.00	0.00	0.00
5,500.0	6.11	163.61	5,471.9	-510.3	150.7	-111.5	0.00	0.00	0.00
5,600.0	6.11	163.61	5,571.3	-520.5	153.7	-113.8	0.00	0.00	0.00
5,700.0	6.11	163.61	5,670.8	-530.7	156.7	-116.0	0.00	0.00	0.00
5,800.0	6.11	163.61	5,770.2	-541.0	159.7	-118.2	0.00	0.00	0.00
5,900.0	6.11	163.61	5,869.6	-551.2	162.7	-120.5	0.00	0.00	0.00
6,000.0	6.11	163.61	5,969.1	-561.4	165.7	-122.7	0.00	0.00	0.00
6,100.0	6.11	163.61	6,068.5	-571.6	168.7	-124.9	0.00	0.00	0.00
6,200.0	6.11	163.61	6,167.9	-581.8	171.7	-127.1	0.00	0.00	0.00
6,300.0	6.11	163.61	6,267.4	-592.0	174.7	-129.4	0.00	0.00	0.00
6,400.0	6.11	163.61	6,366.8	-602.2	177.7	-131.6	0.00	0.00	0.00
6,500.0	6.11	163.61	6,466.2	-612.4	180.7	-133.8	0.00	0.00	0.00
6,600.0	6.11	163.61	6,565.6	-622.7	183.7	-136.1	0.00	0.00	0.00
6,700.0	6.11	163.61	6,665.1	-632.9	186.7	-138.3	0.00	0.00	0.00
6,800.0	6.11	163.61	6,764.5	-643.1	189.7	-140.5	0.00	0.00	0.00
6,888.1	6.11	163.61	6,852.1	-652.1	192.4	-142.5	0.00	0.00	0.00
6,900.0	5.87	163.61	6,863.9	-653.3	192.7	-142.8	2.00	-2.00	0.00
7,000.0	3.87	163.61	6,963.6	-661.4	195.1	-144.5	2.00	-2.00	0.00
7,100.0	1.87	163.61	7,063.5	-666.2	196.5	-145.6	2.00	-2.00	0.00
7,193.6	0.00	0.00	7,157.0	-667.7	197.0	-145.9	2.00	-2.00	0.00
KOP: 500' FSL & 10' FEL (Sec 24) - KOP: 500' FSL & 10' FEL (Sec 24)									
7,200.0	0.64	269.50	7,163.4	-667.7	196.9	-145.9	10.00	10.00	0.00
7,250.0	5.64	269.50	7,213.3	-667.7	194.2	-143.2	10.00	10.00	0.00
7,300.0	10.63	269.50	7,262.8	-667.8	187.1	-136.1	10.00	10.00	0.00
7,350.0	15.63	269.50	7,311.5	-667.9	175.8	-124.8	10.00	10.00	0.00
7,400.0	20.63	269.50	7,359.0	-668.0	160.2	-109.2	10.00	10.00	0.00
7,450.0	25.63	269.50	7,405.0	-668.2	140.6	-89.6	10.00	10.00	0.00
7,500.0	30.62	269.50	7,449.1	-668.4	117.0	-66.1	10.00	10.00	0.00
7,531.9	33.82	269.50	7,476.1	-668.5	100.0	-49.2	10.00	10.00	0.00
FTP: 500' FSL & 100' FEL (Sec 24)									
7,550.0	35.62	269.50	7,490.9	-668.6	89.7	-38.9	10.00	10.00	0.00
7,600.0	40.62	269.50	7,530.2	-668.9	58.9	-8.1	10.00	10.00	0.00
7,650.0	45.62	269.50	7,566.7	-669.2	24.7	26.0	10.00	10.00	0.00
7,700.0	50.62	269.50	7,600.1	-669.5	-12.5	63.1	10.00	10.00	0.00
7,750.0	55.61	269.50	7,630.1	-669.9	-52.5	103.0	10.00	10.00	0.00
7,800.0	60.61	269.50	7,656.5	-670.2	-94.9	145.4	10.00	10.00	0.00
7,850.0	65.61	269.50	7,679.1	-670.6	-139.5	189.9	10.00	10.00	0.00
7,900.0	70.61	269.50	7,697.7	-671.0	-185.9	236.1	10.00	10.00	0.00
7,950.0	75.60	269.50	7,712.3	-671.5	-233.7	283.9	10.00	10.00	0.00
8,000.0	80.60	269.50	7,722.6	-671.9	-282.6	332.7	10.00	10.00	0.00
8,050.0	85.60	269.50	7,728.6	-672.3	-332.2	382.2	10.00	10.00	0.00
8,095.8	90.18	269.50	7,730.3	-672.7	-378.0	427.8	10.00	10.00	0.00
LP: 500' FSL & 583' FEL (Sec 24)									
8,100.0	90.60	269.50	7,730.2	-672.8	-382.2	432.0	10.00	10.00	0.00
8,111.7	91.77	269.50	7,730.0	-672.9	-393.9	443.7	10.00	10.00	0.00
8,200.0	91.77	269.50	7,727.3	-673.6	-482.2	531.8	0.00	0.00	0.00
8,300.0	91.77	269.50	7,724.2	-674.5	-582.1	631.5	0.00	0.00	0.00
8,400.0	91.77	269.50	7,721.1	-675.4	-682.1	731.2	0.00	0.00	0.00
8,500.0	91.77	269.50	7,718.0	-676.3	-782.0	831.0	0.00	0.00	0.00
8,600.0	91.77	269.50	7,714.9	-677.1	-881.9	930.7	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Parkchester 24/23 B2PM State Com #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Site:	Parkchester 24/23 B2PM State Com #1H	**North Reference:**	Grid
Well:	Sec 24, T19S, R28E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' 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)
8,700.0	91.77	269.50	7,711.8	-678.0	-981.9	1,030.4	0.00	0.00	0.00
8,800.0	91.77	269.50	7,708.8	-678.9	-1,081.8	1,130.2	0.00	0.00	0.00
8,900.0	91.77	269.50	7,705.7	-679.8	-1,181.8	1,229.9	0.00	0.00	0.00
9,000.0	91.77	269.50	7,702.6	-680.6	-1,281.7	1,329.6	0.00	0.00	0.00
9,100.0	91.77	269.50	7,699.5	-681.5	-1,381.7	1,429.4	0.00	0.00	0.00
9,200.0	91.77	269.50	7,696.4	-682.4	-1,481.6	1,529.1	0.00	0.00	0.00
9,300.0	91.77	269.50	7,693.3	-683.3	-1,581.6	1,628.8	0.00	0.00	0.00
9,400.0	91.77	269.50	7,690.2	-684.1	-1,681.5	1,728.6	0.00	0.00	0.00
9,500.0	91.77	269.50	7,687.2	-685.0	-1,781.5	1,828.3	0.00	0.00	0.00
9,600.0	91.77	269.50	7,684.1	-685.9	-1,881.4	1,928.0	0.00	0.00	0.00
9,700.0	91.77	269.50	7,681.0	-686.7	-1,981.4	2,027.8	0.00	0.00	0.00
9,800.0	91.77	269.50	7,677.9	-687.6	-2,081.3	2,127.5	0.00	0.00	0.00
9,900.0	91.77	269.50	7,674.8	-688.5	-2,181.3	2,227.2	0.00	0.00	0.00
10,000.0	91.77	269.50	7,671.7	-689.4	-2,281.2	2,327.0	0.00	0.00	0.00
10,100.0	91.77	269.50	7,668.6	-690.2	-2,381.2	2,426.7	0.00	0.00	0.00
10,200.0	91.77	269.50	7,665.6	-691.1	-2,481.1	2,526.4	0.00	0.00	0.00
10,300.0	91.77	269.50	7,662.5	-692.0	-2,581.1	2,626.2	0.00	0.00	0.00
10,400.0	91.77	269.50	7,659.4	-692.9	-2,681.0	2,725.9	0.00	0.00	0.00
10,500.0	91.77	269.50	7,656.3	-693.7	-2,781.0	2,825.6	0.00	0.00	0.00
10,600.0	91.77	269.50	7,653.2	-694.6	-2,880.9	2,925.4	0.00	0.00	0.00
10,700.0	91.77	269.50	7,650.1	-695.5	-2,980.9	3,025.1	0.00	0.00	0.00
10,800.0	91.77	269.50	7,647.0	-696.4	-3,080.8	3,124.8	0.00	0.00	0.00
10,900.0	91.77	269.50	7,644.0	-697.2	-3,180.8	3,224.6	0.00	0.00	0.00
11,000.0	91.77	269.50	7,640.9	-698.1	-3,280.7	3,324.3	0.00	0.00	0.00
11,100.0	91.77	269.50	7,637.8	-699.0	-3,380.7	3,424.0	0.00	0.00	0.00
11,200.0	91.77	269.50	7,634.7	-699.9	-3,480.6	3,523.8	0.00	0.00	0.00
11,300.0	91.77	269.50	7,631.6	-700.7	-3,580.6	3,623.5	0.00	0.00	0.00
11,400.0	91.77	269.50	7,628.5	-701.6	-3,680.5	3,723.3	0.00	0.00	0.00
11,500.0	91.77	269.50	7,625.4	-702.5	-3,780.5	3,823.0	0.00	0.00	0.00
11,600.0	91.77	269.50	7,622.4	-703.4	-3,880.4	3,922.7	0.00	0.00	0.00
11,700.0	91.77	269.50	7,619.3	-704.2	-3,980.4	4,022.5	0.00	0.00	0.00
11,800.0	91.77	269.50	7,616.2	-705.1	-4,080.3	4,122.2	0.00	0.00	0.00
11,900.0	91.77	269.50	7,613.1	-706.0	-4,180.3	4,221.9	0.00	0.00	0.00
12,000.0	91.77	269.50	7,610.0	-706.9	-4,280.2	4,321.7	0.00	0.00	0.00
12,100.0	91.77	269.50	7,606.9	-707.7	-4,380.1	4,421.4	0.00	0.00	0.00
12,200.0	91.77	269.50	7,603.8	-708.6	-4,480.1	4,521.1	0.00	0.00	0.00
12,300.0	91.77	269.50	7,600.8	-709.5	-4,580.0	4,620.9	0.00	0.00	0.00
12,400.0	91.77	269.50	7,597.7	-710.4	-4,680.0	4,720.6	0.00	0.00	0.00
12,500.0	91.77	269.50	7,594.6	-711.2	-4,779.9	4,820.3	0.00	0.00	0.00
12,600.0	91.77	269.50	7,591.5	-712.1	-4,879.9	4,920.1	0.00	0.00	0.00
12,700.0	91.77	269.50	7,588.4	-713.0	-4,979.8	5,019.8	0.00	0.00	0.00
12,800.0	91.77	269.50	7,585.3	-713.9	-5,079.8	5,119.5	0.00	0.00	0.00
12,900.0	91.77	269.50	7,582.2	-714.7	-5,179.7	5,219.3	0.00	0.00	0.00
13,000.0	91.77	269.50	7,579.2	-715.6	-5,279.7	5,319.0	0.00	0.00	0.00
13,100.0	91.77	269.50	7,576.1	-716.5	-5,379.6	5,418.7	0.00	0.00	0.00
13,200.0	91.77	269.50	7,573.0	-717.4	-5,479.6	5,518.5	0.00	0.00	0.00
13,300.0	91.77	269.50	7,569.9	-718.2	-5,579.5	5,618.2	0.00	0.00	0.00
13,400.0	91.77	269.50	7,566.8	-719.1	-5,679.5	5,717.9	0.00	0.00	0.00
13,500.0	91.77	269.50	7,563.7	-720.0	-5,779.4	5,817.7	0.00	0.00	0.00
13,600.0	91.77	269.50	7,560.6	-720.9	-5,879.4	5,917.4	0.00	0.00	0.00
13,700.0	91.77	269.50	7,557.6	-721.7	-5,979.3	6,017.1	0.00	0.00	0.00
13,800.0	91.77	269.50	7,554.5	-722.6	-6,079.3	6,116.9	0.00	0.00	0.00
13,900.0	91.77	269.50	7,551.4	-723.5	-6,179.2	6,216.6	0.00	0.00	0.00
14,000.0	91.77	269.50	7,548.3	-724.4	-6,279.2	6,316.3	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Parkchester 24/23 B2PM State Com #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Site:	Parkchester 24/23 B2PM State Com #1H	**North Reference:**	Grid
Well:	Sec 24, T19S, R28E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' 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)
14,100.0	91.77	269.50	7,545.2	-725.2	-6,379.1	6,416.1	0.00	0.00	0.00
14,200.0	91.77	269.50	7,542.1	-726.1	-6,479.1	6,515.8	0.00	0.00	0.00
14,300.0	91.77	269.50	7,539.0	-727.0	-6,579.0	6,615.5	0.00	0.00	0.00
14,400.0	91.77	269.50	7,536.0	-727.9	-6,679.0	6,715.3	0.00	0.00	0.00
14,500.0	91.77	269.50	7,532.9	-728.7	-6,778.9	6,815.0	0.00	0.00	0.00
14,600.0	91.77	269.50	7,529.8	-729.6	-6,878.9	6,914.8	0.00	0.00	0.00
14,700.0	91.77	269.50	7,526.7	-730.5	-6,978.8	7,014.5	0.00	0.00	0.00
14,800.0	91.77	269.50	7,523.6	-731.4	-7,078.8	7,114.2	0.00	0.00	0.00
14,900.0	91.77	269.50	7,520.5	-732.2	-7,178.7	7,214.0	0.00	0.00	0.00
15,000.0	91.77	269.50	7,517.4	-733.1	-7,278.7	7,313.7	0.00	0.00	0.00
15,100.0	91.77	269.50	7,514.4	-734.0	-7,378.6	7,413.4	0.00	0.00	0.00
15,200.0	91.77	269.50	7,511.3	-734.9	-7,478.6	7,513.2	0.00	0.00	0.00
15,300.0	91.77	269.50	7,508.2	-735.7	-7,578.5	7,612.9	0.00	0.00	0.00
15,400.0	91.77	269.50	7,505.1	-736.6	-7,678.4	7,712.6	0.00	0.00	0.00
15,500.0	91.77	269.50	7,502.0	-737.5	-7,778.4	7,812.4	0.00	0.00	0.00
15,600.0	91.77	269.50	7,498.9	-738.4	-7,878.3	7,912.1	0.00	0.00	0.00
15,700.0	91.77	269.50	7,495.8	-739.2	-7,978.3	8,011.8	0.00	0.00	0.00
15,800.0	91.77	269.50	7,492.8	-740.1	-8,078.2	8,111.6	0.00	0.00	0.00
15,900.0	91.77	269.50	7,489.7	-741.0	-8,178.2	8,211.3	0.00	0.00	0.00
16,000.0	91.77	269.50	7,486.6	-741.9	-8,278.1	8,311.0	0.00	0.00	0.00
16,100.0	91.77	269.50	7,483.5	-742.7	-8,378.1	8,410.8	0.00	0.00	0.00
16,200.0	91.77	269.50	7,480.4	-743.6	-8,478.0	8,510.5	0.00	0.00	0.00
16,300.0	91.77	269.50	7,477.3	-744.5	-8,578.0	8,610.2	0.00	0.00	0.00
16,400.0	91.77	269.50	7,474.2	-745.4	-8,677.9	8,710.0	0.00	0.00	0.00
16,500.0	91.77	269.50	7,471.2	-746.2	-8,777.9	8,809.7	0.00	0.00	0.00
16,600.0	91.77	269.50	7,468.1	-747.1	-8,877.8	8,909.4	0.00	0.00	0.00
16,700.0	91.77	269.50	7,465.0	-748.0	-8,977.8	9,009.2	0.00	0.00	0.00
16,800.0	91.77	269.50	7,461.9	-748.9	-9,077.7	9,108.9	0.00	0.00	0.00
16,900.0	91.77	269.50	7,458.8	-749.7	-9,177.7	9,208.6	0.00	0.00	0.00
17,000.0	91.77	269.50	7,455.7	-750.6	-9,277.6	9,308.4	0.00	0.00	0.00
17,100.0	91.77	269.50	7,452.6	-751.5	-9,377.6	9,408.1	0.00	0.00	0.00
17,200.0	91.77	269.50	7,449.6	-752.4	-9,477.5	9,507.8	0.00	0.00	0.00
17,300.0	91.77	269.50	7,446.5	-753.2	-9,577.5	9,607.6	0.00	0.00	0.00
17,400.0	91.77	269.50	7,443.4	-754.1	-9,677.4	9,707.3	0.00	0.00	0.00
17,500.0	91.77	269.50	7,440.3	-755.0	-9,777.4	9,807.0	0.00	0.00	0.00
17,600.0	91.77	269.50	7,437.2	-755.9	-9,877.3	9,906.8	0.00	0.00	0.00
17,700.0	91.77	269.50	7,434.1	-756.7	-9,977.3	10,006.5	0.00	0.00	0.00
17,800.0	91.77	269.50	7,431.0	-757.6	-10,077.2	10,106.3	0.00	0.00	0.00
17,833.9	91.77	269.50	7,430.0	-757.9	-10,111.1	10,140.1	0.00	0.00	0.00
BHL: 500' FSL & 100' FWL (Sec 23) - BHL: 500' FSL & 100' FWL (Sec 23)									

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Parkchester 24/23 B2PM State Com #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3389.0usft (Original Well Elev)
Site:	Parkchester 24/23 B2PM State Com #1H	**North Reference:**	Grid
Well:	Sec 24, T19S, R28E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' 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: 1170' FSL & 205' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.6	597,517.20	606,195.80	32.6424463	-104.1226227
KOP: 500' FSL & 10' FE - plan hits target center - Point	0.00	0.00	7,157.0	-667.7	197.0	596,849.52	606,392.17	32.6406100	-104.1219890
BHL: 500' FSL & 100' FV - plan hits target center - Point	0.00	0.00	7,430.0	-757.9	-10,111.1	596,759.30	596,084.10	32.6404139	-104.1554774
FTP: 500' FSL & 100' FE - plan hits target center - Point	0.00	0.00	7,476.1	-668.5	100.0	596,848.67	606,295.20	32.6406082	-104.1223041
LP: 500' FSL & 583' FEL - plan hits target center - Point	0.00	0.00	7,730.3	-672.7	-378.0	596,844.49	605,817.20	32.6405993	-104.1238570