

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised August 1, 2011

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-47484
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Hereford 29/20 B3NC State Com
8. Well Number 1H
9. OGRID Number 14744
10. Pool name or Wildcat: Scharb Bone Spring – 55610

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Mewbourne Oil Company	
3. Address of Operator PO Box 5270, Hobbs, NM 88240	
4. Well Location Unit Letter <u>M</u> <u>205</u> feet from the <u>South</u> line and <u>1020</u> feet from the <u>West</u> line Section <u>29</u> Township <u>19S</u> Range <u>35E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3741' GL	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Mewbourne Oil Company would like to change the producing zone & name of the well listed above. Please call Bradley Bishop with any questions.

- Well name: Hereford 29/20 W1NC State Com #1H
- Zone – Wolfcamp A – Scharb; Wolfcamp, Southeast (55650)

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Bradley Bishop TITLE Hobbs Regulatory DATE 3-15-2021

Type or print name Bradley Bishop E-mail address: bishop@mewbourne.com PHONE: 575-393-5905

For State Use Only

APPROVED BY: P Kautz TITLE _____ DATE 03/19/2021
 Conditions of Approval (if any): _____

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 30-025-47484	² Pool Code 55650	³ Pool Name SCHARB; WOLFCAMP, SOUTHEAST
⁴ Property Code 330289	⁵ Property Name HEREFORD 29/20 W1NC STATE COM	⁶ Well Number 1H
⁷ OGRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3741'

¹⁰ Surface Location

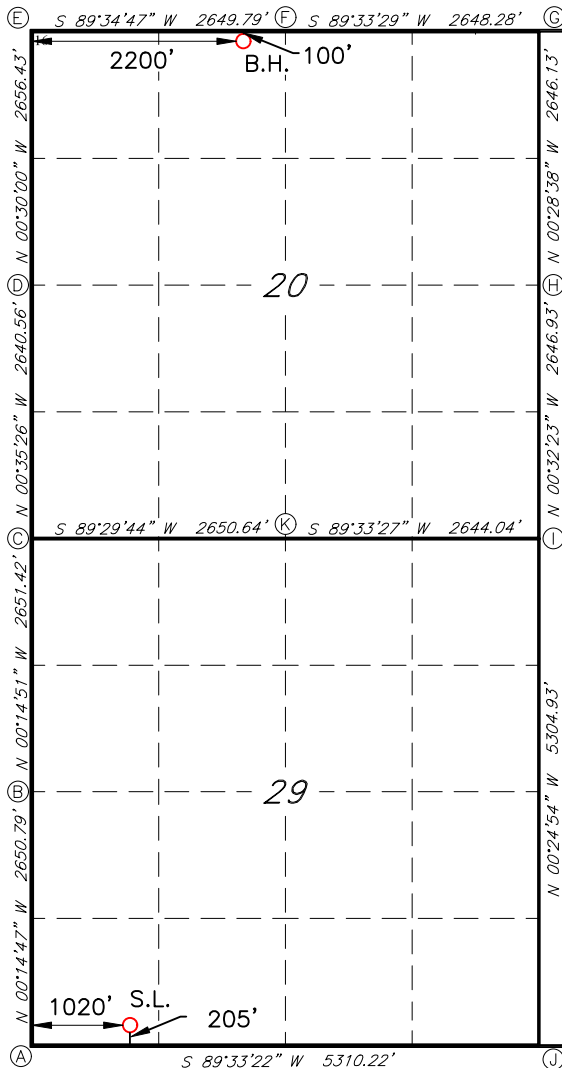
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
M	29	19S	35E		205	SOUTH	1020	WEST	LEA

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	20	19S	35E		100	NORTH	2200	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.



GEODETIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION
N 592048.6 - E 802581.6

LAT: 32.6247246° N
LONG: 103.4847872° W

BOTTOM HOLE
N 602348.7 - E 803689.9

LAT: 32.6530092° N
LONG: 103.4809195° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND 2" STEEL PIPE
N 591835.8 - E 801562.7

B: FOUND 1/2" REBAR
N 594486.0 - E 801551.3

C: FOUND 5/8" REBAR
N 597136.9 - E 801539.8

D: FOUND 8"x4"x4" LIMESTONE ROCK
N 599776.8 - E 801512.6

E: FOUND LIMESTONE ROCK
N 602432.6 - E 801489.4

F: FOUND 1/2" REBAR
N 602452.0 - E 804138.6

G: FOUND 5/8" REBAR
N 602472.4 - E 806786.3

H: FOUND 6"x4"x4" LIMESTONE ROCK
N 599826.9 - E 806808.3

I: FOUND 1/2" REBAR
N 597180.6 - E 806833.3

J: FOUND 1" REBAR
N 591876.9 - E 806871.7

K: FOUND 8"x2"x4" LIMESTONE ROCK
N 597160.2 - E 804189.8

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 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 3-15-21
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.

08-30-19

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number

REV. NAME CHANGE - 3/11/21

Job No.: LS19080805

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

Well Name Hereford 29/20 W1NC State Com #1H

Csg Type	Fluid Type	Hole Size	Csg Size	Csg Grade	Csg Weight	Top MD	Setting Depth	SKS Cmt
Surf	Spud Mud	17 1/2"	13 3/8"	J-55	54.5	0	1940	1350
Inter	Brine	12 1/4"	9 5/8"	L80	40	0	3655	730
Prod	Cut Brine	8 3/4"	7"	P110	26	0	11300	870
Liner	OBM	6 1/8"	4 1/2"	P110	13.5	10612	21427	430

Top Cmt
0
0
3455
10612

Mewbourne Oil Company

Lea County, New Mexico NAD 83

Hereford 29/20 W1NC State Com #1H

Sec 29, T19S, R35E

SHL: 205' FSL & 1020' FWL, Sec 29

BHL: 100' FNL & 2200' FWL, Sec 20

Plan: Design #1

Standard Planning Report

12 March, 2021

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Hereford 29/20 W1NC State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3769.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3769.0usft (Original Well Elev)
Site:	Hereford 29/20 W1NC State Com #1H	North Reference:	Grid
Well:	Sec 29, T19S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 2200' FWL, Sec 20		
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	Hereford 29/20 W1NC State Com #1H					
Site Position:		Northing:	592,049.00	usft	Latitude:	32.6247256
From:	Map	Easting:	802,582.00	usft	Longitude:	-103.4847858
Position Uncertainty:	0.0	usft	Slot Radius:	13-3/16	"	

Well	Sec 29, T19S, R35E					
Well Position	+N/-S	0.0 usft	Northing:	592,049.00 usft	Latitude:	32.6247256
	+E/-W	0.0 usft	Easting:	802,582.00 usft	Longitude:	-103.4847858
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,769.0 usft	Ground Level:	3,741.0 usft
Grid Convergence:		0.46 °				

Wellbore	BHL: 100' FNL & 2200' FWL, Sec 20				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.14	60.48	48,509.22137607

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	6.14	

Plan Survey Tool Program	Date	3/12/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	21,427.2	Design #1 (BHL: 100' FNL & 2200		

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	
1,940.0	0.00	0.00	1,940.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,356.4	8.33	99.00	2,354.9	-4.7	29.8	2.00	2.00	0.00	99.00	
10,195.2	8.33	99.00	10,111.1	-182.3	1,151.2	0.00	0.00	0.00	0.00	
10,611.6	0.00	0.00	10,526.0	-187.0	1,181.0	2.00	-2.00	0.00	180.00	KOP: 10' FSL & 2200
11,521.0	90.93	359.60	11,099.0	395.3	1,176.9	10.00	10.00	0.00	-0.40	
21,427.2	90.93	359.60	10,939.0	10,300.0	1,108.0	0.00	0.00	0.00	0.00	BHL: 100' FNL & 220

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Hereford 29/20 W1NC State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3769.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3769.0usft (Original Well Elev)
Site:	Hereford 29/20 W1NC State Com #1H	North Reference:	Grid
Well:	Sec 29, T19S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 2200' FWL, Sec 20		
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: 205' FSL & 1020' FWL (29)									
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
1,940.0	0.00	0.00	1,940.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	1.20	99.00	2,000.0	-0.1	0.6	0.0	2.00	2.00	0.00
2,100.0	3.20	99.00	2,099.9	-0.7	4.4	-0.2	2.00	2.00	0.00
2,200.0	5.20	99.00	2,199.6	-1.8	11.6	-0.6	2.00	2.00	0.00
2,300.0	7.20	99.00	2,299.1	-3.5	22.3	-1.1	2.00	2.00	0.00
2,356.4	8.33	99.00	2,354.9	-4.7	29.8	-1.5	2.00	2.00	0.00
2,400.0	8.33	99.00	2,398.1	-5.7	36.1	-1.8	0.00	0.00	0.00
2,500.0	8.33	99.00	2,497.0	-8.0	50.4	-2.5	0.00	0.00	0.00
2,600.0	8.33	99.00	2,596.0	-10.2	64.7	-3.3	0.00	0.00	0.00
2,700.0	8.33	99.00	2,694.9	-12.5	79.0	-4.0	0.00	0.00	0.00
2,800.0	8.33	99.00	2,793.9	-14.8	93.3	-4.7	0.00	0.00	0.00
2,900.0	8.33	99.00	2,892.8	-17.0	107.6	-5.4	0.00	0.00	0.00
3,000.0	8.33	99.00	2,991.7	-19.3	121.9	-6.2	0.00	0.00	0.00
3,100.0	8.33	99.00	3,090.7	-21.6	136.2	-6.9	0.00	0.00	0.00
3,200.0	8.33	99.00	3,189.6	-23.8	150.5	-7.6	0.00	0.00	0.00
3,300.0	8.33	99.00	3,288.6	-26.1	164.8	-8.3	0.00	0.00	0.00
3,400.0	8.33	99.00	3,387.5	-28.4	179.1	-9.0	0.00	0.00	0.00
3,500.0	8.33	99.00	3,486.5	-30.6	193.4	-9.8	0.00	0.00	0.00
3,600.0	8.33	99.00	3,585.4	-32.9	207.7	-10.5	0.00	0.00	0.00
3,700.0	8.33	99.00	3,684.4	-35.2	222.0	-11.2	0.00	0.00	0.00
3,800.0	8.33	99.00	3,783.3	-37.4	236.3	-11.9	0.00	0.00	0.00
3,900.0	8.33	99.00	3,882.3	-39.7	250.6	-12.7	0.00	0.00	0.00
4,000.0	8.33	99.00	3,981.2	-42.0	265.0	-13.4	0.00	0.00	0.00
4,100.0	8.33	99.00	4,080.2	-44.2	279.3	-14.1	0.00	0.00	0.00
4,200.0	8.33	99.00	4,179.1	-46.5	293.6	-14.8	0.00	0.00	0.00
4,300.0	8.33	99.00	4,278.0	-48.7	307.9	-15.5	0.00	0.00	0.00
4,400.0	8.33	99.00	4,377.0	-51.0	322.2	-16.3	0.00	0.00	0.00
4,500.0	8.33	99.00	4,475.9	-53.3	336.5	-17.0	0.00	0.00	0.00
4,600.0	8.33	99.00	4,574.9	-55.5	350.8	-17.7	0.00	0.00	0.00
4,700.0	8.33	99.00	4,673.8	-57.8	365.1	-18.4	0.00	0.00	0.00
4,800.0	8.33	99.00	4,772.8	-60.1	379.4	-19.2	0.00	0.00	0.00
4,900.0	8.33	99.00	4,871.7	-62.3	393.7	-19.9	0.00	0.00	0.00
5,000.0	8.33	99.00	4,970.7	-64.6	408.0	-20.6	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Hereford 29/20 W1NC State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3769.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3769.0usft (Original Well Elev)
Site:	Hereford 29/20 W1NC State Com #1H	North Reference:	Grid
Well:	Sec 29, T19S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 2200' FWL, Sec 20		
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	8.33	99.00	5,069.6	-66.9	422.3	-21.3	0.00	0.00	0.00
5,200.0	8.33	99.00	5,168.6	-69.1	436.6	-22.0	0.00	0.00	0.00
5,300.0	8.33	99.00	5,267.5	-71.4	450.9	-22.8	0.00	0.00	0.00
5,400.0	8.33	99.00	5,366.4	-73.7	465.2	-23.5	0.00	0.00	0.00
5,500.0	8.33	99.00	5,465.4	-75.9	479.5	-24.2	0.00	0.00	0.00
5,600.0	8.33	99.00	5,564.3	-78.2	493.8	-24.9	0.00	0.00	0.00
5,700.0	8.33	99.00	5,663.3	-80.5	508.1	-25.6	0.00	0.00	0.00
5,800.0	8.33	99.00	5,762.2	-82.7	522.4	-26.4	0.00	0.00	0.00
5,900.0	8.33	99.00	5,861.2	-85.0	536.7	-27.1	0.00	0.00	0.00
6,000.0	8.33	99.00	5,960.1	-87.3	551.0	-27.8	0.00	0.00	0.00
6,100.0	8.33	99.00	6,059.1	-89.5	565.4	-28.5	0.00	0.00	0.00
6,200.0	8.33	99.00	6,158.0	-91.8	579.7	-29.3	0.00	0.00	0.00
6,300.0	8.33	99.00	6,257.0	-94.0	594.0	-30.0	0.00	0.00	0.00
6,400.0	8.33	99.00	6,355.9	-96.3	608.3	-30.7	0.00	0.00	0.00
6,500.0	8.33	99.00	6,454.8	-98.6	622.6	-31.4	0.00	0.00	0.00
6,600.0	8.33	99.00	6,553.8	-100.8	636.9	-32.1	0.00	0.00	0.00
6,700.0	8.33	99.00	6,652.7	-103.1	651.2	-32.9	0.00	0.00	0.00
6,800.0	8.33	99.00	6,751.7	-105.4	665.5	-33.6	0.00	0.00	0.00
6,900.0	8.33	99.00	6,850.6	-107.6	679.8	-34.3	0.00	0.00	0.00
7,000.0	8.33	99.00	6,949.6	-109.9	694.1	-35.0	0.00	0.00	0.00
7,100.0	8.33	99.00	7,048.5	-112.2	708.4	-35.8	0.00	0.00	0.00
7,200.0	8.33	99.00	7,147.5	-114.4	722.7	-36.5	0.00	0.00	0.00
7,300.0	8.33	99.00	7,246.4	-116.7	737.0	-37.2	0.00	0.00	0.00
7,400.0	8.33	99.00	7,345.4	-119.0	751.3	-37.9	0.00	0.00	0.00
7,500.0	8.33	99.00	7,444.3	-121.2	765.6	-38.6	0.00	0.00	0.00
7,600.0	8.33	99.00	7,543.2	-123.5	779.9	-39.4	0.00	0.00	0.00
7,700.0	8.33	99.00	7,642.2	-125.8	794.2	-40.1	0.00	0.00	0.00
7,800.0	8.33	99.00	7,741.1	-128.0	808.5	-40.8	0.00	0.00	0.00
7,900.0	8.33	99.00	7,840.1	-130.3	822.8	-41.5	0.00	0.00	0.00
8,000.0	8.33	99.00	7,939.0	-132.6	837.1	-42.3	0.00	0.00	0.00
8,100.0	8.33	99.00	8,038.0	-134.8	851.5	-43.0	0.00	0.00	0.00
8,200.0	8.33	99.00	8,136.9	-137.1	865.8	-43.7	0.00	0.00	0.00
8,300.0	8.33	99.00	8,235.9	-139.3	880.1	-44.4	0.00	0.00	0.00
8,400.0	8.33	99.00	8,334.8	-141.6	894.4	-45.1	0.00	0.00	0.00
8,500.0	8.33	99.00	8,433.8	-143.9	908.7	-45.9	0.00	0.00	0.00
8,600.0	8.33	99.00	8,532.7	-146.1	923.0	-46.6	0.00	0.00	0.00
8,700.0	8.33	99.00	8,631.7	-148.4	937.3	-47.3	0.00	0.00	0.00
8,800.0	8.33	99.00	8,730.6	-150.7	951.6	-48.0	0.00	0.00	0.00
8,900.0	8.33	99.00	8,829.5	-152.9	965.9	-48.8	0.00	0.00	0.00
9,000.0	8.33	99.00	8,928.5	-155.2	980.2	-49.5	0.00	0.00	0.00
9,100.0	8.33	99.00	9,027.4	-157.5	994.5	-50.2	0.00	0.00	0.00
9,200.0	8.33	99.00	9,126.4	-159.7	1,008.8	-50.9	0.00	0.00	0.00
9,300.0	8.33	99.00	9,225.3	-162.0	1,023.1	-51.6	0.00	0.00	0.00
9,400.0	8.33	99.00	9,324.3	-164.3	1,037.4	-52.4	0.00	0.00	0.00
9,500.0	8.33	99.00	9,423.2	-166.5	1,051.7	-53.1	0.00	0.00	0.00
9,600.0	8.33	99.00	9,522.2	-168.8	1,066.0	-53.8	0.00	0.00	0.00
9,700.0	8.33	99.00	9,621.1	-171.1	1,080.3	-54.5	0.00	0.00	0.00
9,800.0	8.33	99.00	9,720.1	-173.3	1,094.6	-55.3	0.00	0.00	0.00
9,900.0	8.33	99.00	9,819.0	-175.6	1,108.9	-56.0	0.00	0.00	0.00
10,000.0	8.33	99.00	9,917.9	-177.9	1,123.2	-56.7	0.00	0.00	0.00
10,100.0	8.33	99.00	10,016.9	-180.1	1,137.5	-57.4	0.00	0.00	0.00
10,195.2	8.33	99.00	10,111.1	-182.3	1,151.2	-58.1	0.00	0.00	0.00
10,200.0	8.23	99.00	10,115.8	-182.4	1,151.8	-58.1	2.00	-2.00	0.00
10,300.0	6.23	99.00	10,215.0	-184.4	1,164.3	-58.8	2.00	-2.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Hereford 29/20 W1NC State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3769.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3769.0usft (Original Well Elev)
Site:	Hereford 29/20 W1NC State Com #1H	North Reference:	Grid
Well:	Sec 29, T19S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 2200' FWL, Sec 20		
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)
10,400.0	4.23	99.00	10,314.6	-185.8	1,173.3	-59.2	2.00	-2.00	0.00
10,500.0	2.23	99.00	10,414.5	-186.7	1,178.9	-59.5	2.00	-2.00	0.00
10,600.0	0.23	99.00	10,514.4	-187.0	1,181.0	-59.6	2.00	-2.00	0.00
10,611.6	0.00	0.00	10,526.0	-187.0	1,181.0	-59.6	2.00	-2.00	0.00
KOP: 10' FSL & 2200' FWL (29)									
10,700.0	8.84	359.60	10,614.1	-180.2	1,181.0	-52.8	10.00	10.00	0.00
10,800.0	18.84	359.60	10,711.0	-156.3	1,180.8	-29.1	10.00	10.00	0.00
10,900.0	28.84	359.60	10,802.4	-115.9	1,180.5	11.0	10.00	10.00	0.00
10,921.9	31.03	359.60	10,821.4	-105.0	1,180.4	21.8	10.00	10.00	0.00
FTP: 100' FSL & 2200' FWL (29)									
11,000.0	38.83	359.60	10,885.4	-60.3	1,180.1	66.2	10.00	10.00	0.00
11,100.0	48.83	359.60	10,957.4	8.8	1,179.6	135.0	10.00	10.00	0.00
11,200.0	58.83	359.60	11,016.3	89.5	1,179.1	215.1	10.00	10.00	0.00
11,300.0	68.83	359.60	11,060.4	179.1	1,178.5	304.1	10.00	10.00	0.00
11,400.0	78.83	359.60	11,088.2	275.0	1,177.8	399.4	10.00	10.00	0.00
11,500.0	88.82	359.60	11,099.0	374.3	1,177.1	498.1	10.00	10.00	0.00
11,521.0	90.92	359.60	11,099.0	395.3	1,176.9	518.9	10.00	10.00	0.00
LP: 600' FSL & 2200' FWL (29)									
11,600.0	90.93	359.60	11,097.7	474.3	1,176.4	597.4	0.00	0.00	0.00
11,700.0	90.93	359.60	11,096.1	574.3	1,175.7	696.7	0.00	0.00	0.00
11,800.0	90.93	359.60	11,094.5	674.3	1,175.0	796.1	0.00	0.00	0.00
11,900.0	90.93	359.60	11,092.9	774.2	1,174.3	895.4	0.00	0.00	0.00
12,000.0	90.93	359.60	11,091.3	874.2	1,173.6	994.7	0.00	0.00	0.00
12,100.0	90.93	359.60	11,089.6	974.2	1,172.9	1,094.1	0.00	0.00	0.00
12,200.0	90.93	359.60	11,088.0	1,074.2	1,172.2	1,193.4	0.00	0.00	0.00
12,300.0	90.93	359.60	11,086.4	1,174.2	1,171.5	1,292.7	0.00	0.00	0.00
12,400.0	90.93	359.60	11,084.8	1,274.2	1,170.8	1,392.1	0.00	0.00	0.00
12,500.0	90.93	359.60	11,083.2	1,374.1	1,170.1	1,491.4	0.00	0.00	0.00
12,600.0	90.93	359.60	11,081.6	1,474.1	1,169.4	1,590.8	0.00	0.00	0.00
12,700.0	90.93	359.60	11,080.0	1,574.1	1,168.7	1,690.1	0.00	0.00	0.00
12,800.0	90.93	359.60	11,078.3	1,674.1	1,168.0	1,789.4	0.00	0.00	0.00
12,900.0	90.93	359.60	11,076.7	1,774.1	1,167.3	1,888.8	0.00	0.00	0.00
13,000.0	90.93	359.60	11,075.1	1,874.1	1,166.7	1,988.1	0.00	0.00	0.00
13,100.0	90.93	359.60	11,073.5	1,974.1	1,166.0	2,087.4	0.00	0.00	0.00
13,200.0	90.93	359.60	11,071.9	2,074.0	1,165.3	2,186.8	0.00	0.00	0.00
13,300.0	90.93	359.60	11,070.3	2,174.0	1,164.6	2,286.1	0.00	0.00	0.00
13,400.0	90.93	359.60	11,068.7	2,274.0	1,163.9	2,385.4	0.00	0.00	0.00
13,500.0	90.93	359.60	11,067.0	2,374.0	1,163.2	2,484.8	0.00	0.00	0.00
13,600.0	90.93	359.60	11,065.4	2,474.0	1,162.5	2,584.1	0.00	0.00	0.00
13,700.0	90.93	359.60	11,063.8	2,574.0	1,161.8	2,683.5	0.00	0.00	0.00
13,800.0	90.93	359.60	11,062.2	2,673.9	1,161.1	2,782.8	0.00	0.00	0.00
13,900.0	90.93	359.60	11,060.6	2,773.9	1,160.4	2,882.1	0.00	0.00	0.00
14,000.0	90.93	359.60	11,059.0	2,873.9	1,159.7	2,981.5	0.00	0.00	0.00
14,100.0	90.93	359.60	11,057.3	2,973.9	1,159.0	3,080.8	0.00	0.00	0.00
14,200.0	90.93	359.60	11,055.7	3,073.9	1,158.3	3,180.1	0.00	0.00	0.00
14,300.0	90.93	359.60	11,054.1	3,173.9	1,157.6	3,279.5	0.00	0.00	0.00
14,400.0	90.93	359.60	11,052.5	3,273.9	1,156.9	3,378.8	0.00	0.00	0.00
14,500.0	90.93	359.60	11,050.9	3,373.8	1,156.2	3,478.1	0.00	0.00	0.00
14,600.0	90.93	359.60	11,049.3	3,473.8	1,155.5	3,577.5	0.00	0.00	0.00
14,700.0	90.93	359.60	11,047.7	3,573.8	1,154.8	3,676.8	0.00	0.00	0.00
14,800.0	90.93	359.60	11,046.0	3,673.8	1,154.1	3,776.2	0.00	0.00	0.00
14,900.0	90.93	359.60	11,044.4	3,773.8	1,153.4	3,875.5	0.00	0.00	0.00
15,000.0	90.93	359.60	11,042.8	3,873.8	1,152.7	3,974.8	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Hereford 29/20 W1NC State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3769.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3769.0usft (Original Well Elev)
Site:	Hereford 29/20 W1NC State Com #1H	North Reference:	Grid
Well:	Sec 29, T19S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 2200' FWL, Sec 20		
Design:	Design #1		

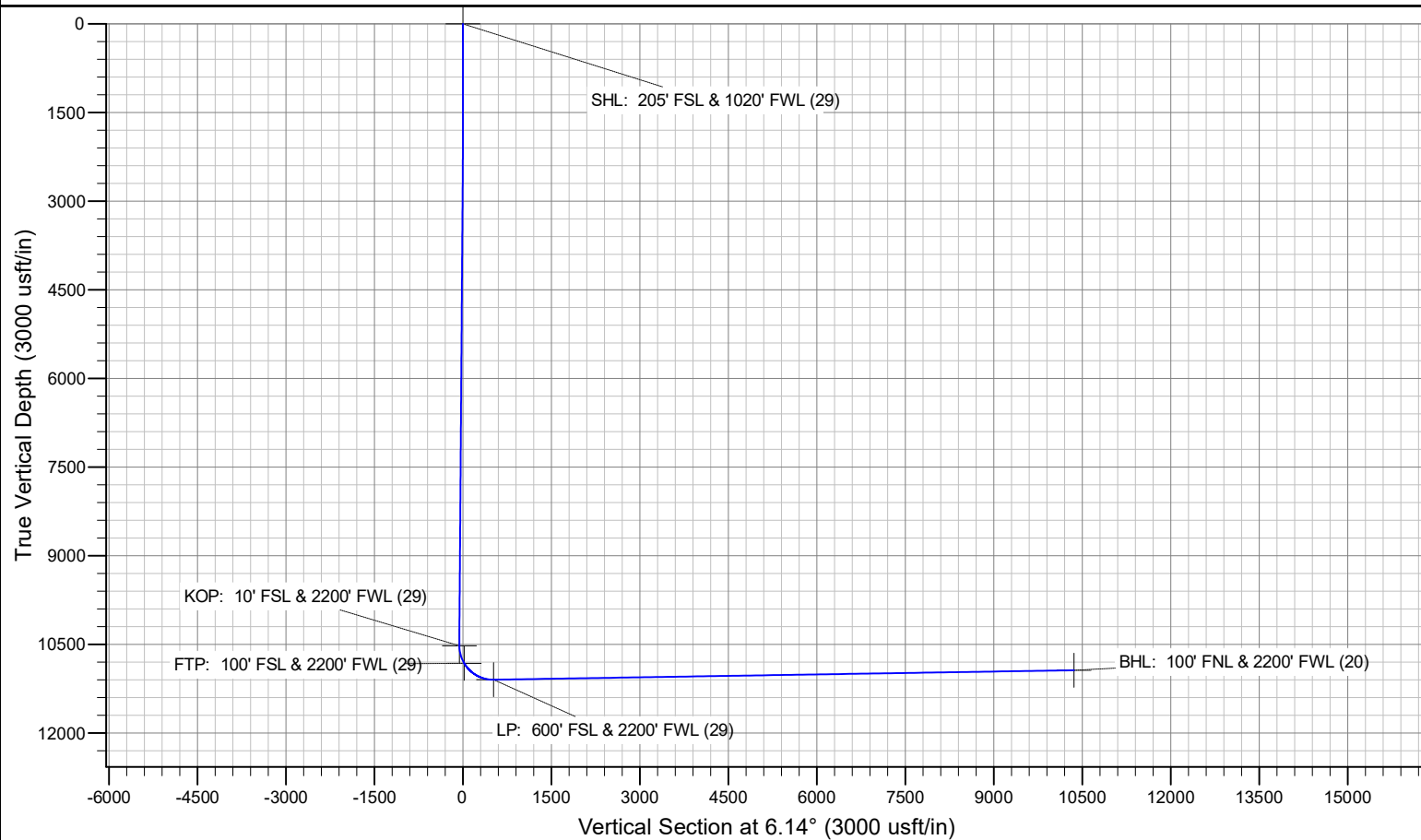
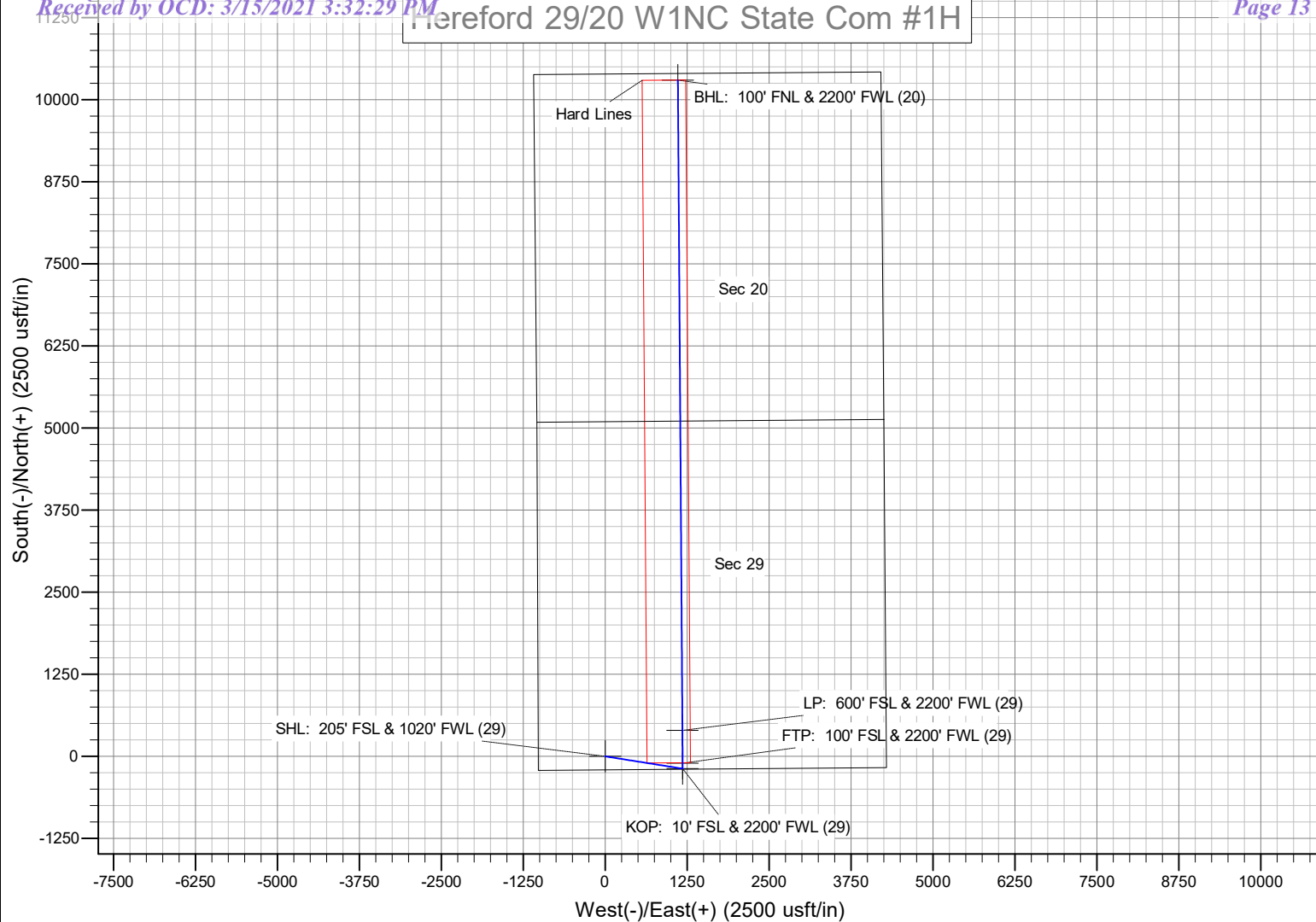
Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,100.0	90.93	359.60	11,041.2	3,973.7	1,152.0	4,074.2	0.00	0.00	0.00	
15,200.0	90.93	359.60	11,039.6	4,073.7	1,151.3	4,173.5	0.00	0.00	0.00	
15,300.0	90.93	359.60	11,038.0	4,173.7	1,150.6	4,272.8	0.00	0.00	0.00	
15,400.0	90.93	359.60	11,036.3	4,273.7	1,149.9	4,372.2	0.00	0.00	0.00	
15,500.0	90.93	359.60	11,034.7	4,373.7	1,149.3	4,471.5	0.00	0.00	0.00	
15,600.0	90.93	359.60	11,033.1	4,473.7	1,148.6	4,570.9	0.00	0.00	0.00	
15,700.0	90.93	359.60	11,031.5	4,573.7	1,147.9	4,670.2	0.00	0.00	0.00	
15,800.0	90.93	359.60	11,029.9	4,673.6	1,147.2	4,769.5	0.00	0.00	0.00	
15,900.0	90.93	359.60	11,028.3	4,773.6	1,146.5	4,868.9	0.00	0.00	0.00	
16,000.0	90.93	359.60	11,026.7	4,873.6	1,145.8	4,968.2	0.00	0.00	0.00	
16,100.0	90.93	359.60	11,025.0	4,973.6	1,145.1	5,067.5	0.00	0.00	0.00	
16,200.0	90.93	359.60	11,023.4	5,073.6	1,144.4	5,166.9	0.00	0.00	0.00	
16,300.0	90.93	359.60	11,021.8	5,173.6	1,143.7	5,266.2	0.00	0.00	0.00	
16,400.0	90.93	359.60	11,020.2	5,273.5	1,143.0	5,365.5	0.00	0.00	0.00	
16,500.0	90.93	359.60	11,018.6	5,373.5	1,142.3	5,464.9	0.00	0.00	0.00	
16,600.0	90.93	359.60	11,017.0	5,473.5	1,141.6	5,564.2	0.00	0.00	0.00	
16,700.0	90.93	359.60	11,015.4	5,573.5	1,140.9	5,663.6	0.00	0.00	0.00	
16,800.0	90.93	359.60	11,013.7	5,673.5	1,140.2	5,762.9	0.00	0.00	0.00	
16,900.0	90.93	359.60	11,012.1	5,773.5	1,139.5	5,862.2	0.00	0.00	0.00	
17,000.0	90.93	359.60	11,010.5	5,873.5	1,138.8	5,961.6	0.00	0.00	0.00	
17,100.0	90.93	359.60	11,008.9	5,973.4	1,138.1	6,060.9	0.00	0.00	0.00	
17,200.0	90.93	359.60	11,007.3	6,073.4	1,137.4	6,160.2	0.00	0.00	0.00	
17,300.0	90.93	359.60	11,005.7	6,173.4	1,136.7	6,259.6	0.00	0.00	0.00	
17,400.0	90.93	359.60	11,004.0	6,273.4	1,136.0	6,358.9	0.00	0.00	0.00	
17,500.0	90.93	359.60	11,002.4	6,373.4	1,135.3	6,458.2	0.00	0.00	0.00	
17,600.0	90.93	359.60	11,000.8	6,473.4	1,134.6	6,557.6	0.00	0.00	0.00	
17,700.0	90.93	359.60	10,999.2	6,573.3	1,133.9	6,656.9	0.00	0.00	0.00	
17,800.0	90.93	359.60	10,997.6	6,673.3	1,133.2	6,756.3	0.00	0.00	0.00	
17,900.0	90.93	359.60	10,996.0	6,773.3	1,132.5	6,855.6	0.00	0.00	0.00	
18,000.0	90.93	359.60	10,994.4	6,873.3	1,131.9	6,954.9	0.00	0.00	0.00	
18,100.0	90.93	359.60	10,992.7	6,973.3	1,131.2	7,054.3	0.00	0.00	0.00	
18,200.0	90.93	359.60	10,991.1	7,073.3	1,130.5	7,153.6	0.00	0.00	0.00	
18,300.0	90.93	359.60	10,989.5	7,173.3	1,129.8	7,252.9	0.00	0.00	0.00	
18,400.0	90.93	359.60	10,987.9	7,273.2	1,129.1	7,352.3	0.00	0.00	0.00	
18,500.0	90.93	359.60	10,986.3	7,373.2	1,128.4	7,451.6	0.00	0.00	0.00	
18,600.0	90.93	359.60	10,984.7	7,473.2	1,127.7	7,550.9	0.00	0.00	0.00	
18,700.0	90.93	359.60	10,983.0	7,573.2	1,127.0	7,650.3	0.00	0.00	0.00	
18,800.0	90.93	359.60	10,981.4	7,673.2	1,126.3	7,749.6	0.00	0.00	0.00	
18,900.0	90.93	359.60	10,979.8	7,773.2	1,125.6	7,849.0	0.00	0.00	0.00	
19,000.0	90.93	359.60	10,978.2	7,873.1	1,124.9	7,948.3	0.00	0.00	0.00	
19,100.0	90.93	359.60	10,976.6	7,973.1	1,124.2	8,047.6	0.00	0.00	0.00	
19,200.0	90.93	359.60	10,975.0	8,073.1	1,123.5	8,147.0	0.00	0.00	0.00	
19,300.0	90.93	359.60	10,973.4	8,173.1	1,122.8	8,246.3	0.00	0.00	0.00	
19,400.0	90.93	359.60	10,971.7	8,273.1	1,122.1	8,345.6	0.00	0.00	0.00	
19,500.0	90.93	359.60	10,970.1	8,373.1	1,121.4	8,445.0	0.00	0.00	0.00	
19,600.0	90.93	359.60	10,968.5	8,473.0	1,120.7	8,544.3	0.00	0.00	0.00	
19,700.0	90.93	359.60	10,966.9	8,573.0	1,120.0	8,643.6	0.00	0.00	0.00	
19,800.0	90.93	359.60	10,965.3	8,673.0	1,119.3	8,743.0	0.00	0.00	0.00	
19,900.0	90.93	359.60	10,963.7	8,773.0	1,118.6	8,842.3	0.00	0.00	0.00	
20,000.0	90.93	359.60	10,962.1	8,873.0	1,117.9	8,941.7	0.00	0.00	0.00	
20,100.0	90.93	359.60	10,960.4	8,973.0	1,117.2	9,041.0	0.00	0.00	0.00	
20,200.0	90.93	359.60	10,958.8	9,073.0	1,116.5	9,140.3	0.00	0.00	0.00	
20,300.0	90.93	359.60	10,957.2	9,172.9	1,115.8	9,239.7	0.00	0.00	0.00	
20,400.0	90.93	359.60	10,955.6	9,272.9	1,115.1	9,339.0	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Hereford 29/20 W1NC State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3769.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3769.0usft (Original Well Elev)
Site:	Hereford 29/20 W1NC State Com #1H	North Reference:	Grid
Well:	Sec 29, T19S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 2200' FWL, Sec 20		
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)	
20,500.0	90.93	359.60	10,954.0	9,372.9	1,114.5	9,438.3	0.00	0.00	0.00	
20,600.0	90.93	359.60	10,952.4	9,472.9	1,113.8	9,537.7	0.00	0.00	0.00	
20,700.0	90.93	359.60	10,950.7	9,572.9	1,113.1	9,637.0	0.00	0.00	0.00	
20,800.0	90.93	359.60	10,949.1	9,672.9	1,112.4	9,736.4	0.00	0.00	0.00	
20,900.0	90.93	359.60	10,947.5	9,772.8	1,111.7	9,835.7	0.00	0.00	0.00	
21,000.0	90.93	359.60	10,945.9	9,872.8	1,111.0	9,935.0	0.00	0.00	0.00	
21,100.0	90.93	359.60	10,944.3	9,972.8	1,110.3	10,034.4	0.00	0.00	0.00	
21,200.0	90.93	359.60	10,942.7	10,072.8	1,109.6	10,133.7	0.00	0.00	0.00	
21,300.0	90.93	359.60	10,941.1	10,172.8	1,108.9	10,233.0	0.00	0.00	0.00	
21,400.0	90.93	359.60	10,939.4	10,272.8	1,108.2	10,332.4	0.00	0.00	0.00	
21,427.2	90.93	359.60	10,939.0	10,300.0	1,108.0	10,359.4	0.00	0.00	0.00	
BHL: 100' FNL & 2200' FWL (20)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
SHL: 205' FSL & 1020' I - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	592,049.00	802,582.00	32.6247256	-103.4847858	
KOP: 10' FSL & 2200' F - plan hits target center - Point	0.00	0.00	10,526.0	-187.0	1,181.0	591,862.00	803,763.00	32.6241857	-103.4809551	
FTP: 100' FSL & 2200' I - plan hits target center - Point	0.00	0.00	10,821.4	-105.0	1,180.4	591,944.00	803,762.43	32.6244111	-103.4809548	
BHL: 100' FNL & 2200' I - plan hits target center - Point	0.00	0.00	10,939.0	10,300.0	1,108.0	602,349.00	803,690.00	32.6530100	-103.4809188	
LP: 600' FSL & 2200' F - plan hits target center - Point	0.00	0.00	11,099.0	395.3	1,176.9	592,444.30	803,758.94	32.6257862	-103.4809530	



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

CONDITIONS

Action 20830

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241	OGRID:	14744	Action Number:	20830	Action Type:	C-103A
OCD Reviewer									Condition
pkautz									None