

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: LOCO HILLS 2/4 B2NM
FED COM

Well Location: T18S / R30E / SEC 2 /
NWSE /

County or Parish/State:

Well Number: 2H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0001159

Unit or CA Name:

Unit or CA Number:

US Well Number:

Well Status: Approved Application for
Permit to Drill

Operator: MEWBOURNE OIL
COMPANY

Notice of Intent

Sundry ID: 2656423

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 02/09/2022

Time Sundry Submitted: 03:03

Date proposed operation will begin: 02/23/2022

Procedure Description: Sundry Request: Mewbourne Oil Company requests that the following changes be made to Loco Hills 2/3 B2KL Fed Com #2H well: 1. Well name change to Loco Hills 2/4 B2NM Fed Com #1H 2. BHL change to 660' FSL & 100' FWL in Sec 4, T18S, R30E 3. Changes to directional design plot & plan corresponding to BHL change are included in sundry attachments. 4. Changes to csg program & cmt program corresponding to BHL change are included in this sundry request on page 3 & 4.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Loco_Hills_2_4_B2NM_Fed_Com_1H_Sundry_Request_20220209150151.pdf

Loco_Hills_2_4_B2NM_Fed_Com_1H_Add_Info_20220209150150.pdf

Loco_Hills_2_4_B2NM_Fed_Com_1H_C102_20220209150150.pdf

Loco_Hills_2_4_B2NM_Fed_Com_1H_Design_Plan_20220209150150.pdf

Loco_Hills_2_4_B2NM_Fed_Com_1H_Design_Plot_20220209150151.pdf

Well Name: LOCO HILLS 2/4 B2NM
FED COM

Well Location: T18S / R30E / SEC 2 /
NWSE /

County or Parish/State:

Well Number: 2H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0001159

Unit or CA Name:

Unit or CA Number:

US Well Number:

Well Status: Approved Application for
Permit to Drill

Operator: MEWBOURNE OIL
COMPANY

Conditions of Approval

Specialist Review

LOCO_HILLS_2_4_B2NM_FED_COM_2H_Sundry_2656423_Drilling_COA_OTA_20220213160923.pdf

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: BRADLEY BISHOP

Signed on: FEB 09, 2022 03:01 PM

Name: MEWBOURNE OIL COMPANY

Title: Regulatory

Street Address: PO Box 5270

City: Hobbs

State: NM

Phone: (575) 393-5905

Email address: bbishop@mewbourne.com

Field Representative

Representative Name: Ryan McDaniel

Street Address: 4801 Business Park Blvd, Hobbs, NM

City: Hobbs

State: NM

Zip: 88240

Phone: (575)393-5905

Email address: Ryanmcdaniel@mewbourne.com

BLM Point of Contact

BLM POC Name: AJIBOLA OLABODE

BLM POC Title: Engineer

BLM POC Phone: 5752342231

BLM POC Email Address: OAJIBOLAEIT@BLM.GOV

Disposition: Approved

Disposition Date: 02/13/2022

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 30-015-49297		2 Pool Code 62685		3 Pool Name Walters Lake; Bone Spring	
4 Property Code 332420		5 Property Name LOCO HILLS 2/4 B2NM FED COM			6 Well Number 1H
7 GRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3615'

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
J	2	18S	30E		2255	SOUTH	2560	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	4	18S	30E		660	SOUTH	100	WEST	EDDY

12 Dedicated Acres 480	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16 <u>CORNER DATA</u> NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1916" N: 643749.9 - E: 648235.3 B: FOUND BRASS CAP "1916" N: 646388.7 - E: 648227.5 C: FOUND BRASS CAP "1916" N: 649049.3 - E: 648220.2 D: FOUND BRASS CAP "1916" N: 649049.4 - E: 650857.0 E: FOUND BRASS CAP "1916" N: 649049.6 - E: 653498.5 F: FOUND BRASS CAP "1916" N: 649060.9 - E: 658777.2 G: FOUND BRASS CAP "1916" N: 649074.2 - E: 664053.7 H: FOUND BRASS CAP "1916" N: 646426.4 - E: 664062.2 I: FOUND BRASS CAP "1916" N: 643788.5 - E: 664071.1 J: FOUND BRASS CAP "1916" N: 643780.8 - E: 661430.5 K: FOUND BRASS CAP "1916" N: 643770.9 - E: 658794.1 L: FOUND BRASS CAP "1916" N: 643765.2 - E: 656154.0 M: FOUND BRASS CAP "1916" N: 643759.8 - E: 653515.9 N: FOUND BRASS CAP "1916" N: 643753.6 - E: 650875.9 O: FOUND BRASS CAP "1916" N: 646397.6 - E: 653507.4 P: FOUND BRASS CAP "1916" N: 646409.3 - E: 658785.5 <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST <u>SURFACE LOCATION</u> N: 646035.5 - E: 661504.0 LAT: 32.7753751° N LONG: 103.9423597° W <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST <u>BOTTOM HOLE</u> N: 644409.9 - E: 648333.3 LAT: 32.7710334° N LONG: 103.9852286° W		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Jackie Lathan</u> Date: <u>4-1-22</u> Printed Name: <u>Jackie Lathan</u> 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. 11-16-2020 Date of Survey Signature and Seal of Professional Surveyor: <u>Robert M. Howett</u> 19680 Certificate Number REV: BH MOVE/NAME CHANGE 12/01/2021 Job No.: 1520110693R		

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Loco Hills 2/4 B2NM Fed Com #1H

Sec. 2, T18S, R30E

SHL: 2255' FSL & 2560' FEL, Sec 2

BHL: 660' FSL & 100' FWL, Sec 4

Plan: Design #1

Standard Planning Report

09 December, 2021

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Loco Hills 2/4 B2NM Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3643.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3643.0usft (Original Well Elev)
Site:	Loco Hills 2/4 B2NM Fed Com #1H	North Reference:	Grid
Well:	Sec. 2, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FWL, Sec 4		
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	Loco Hills 2/4 B2NM Fed Com #1H				
Site Position:		Northing:	646,036.02 usft	Latitude:	32.7753765
From:	Map	Easting:	661,503.50 usft	Longitude:	-103.9423614
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	Sec. 2, T18S, R30E					
Well Position	+N/-S	0.0 usft	Northing:	646,036.02 usft	Latitude:	32.7753765
	+E/-W	0.0 usft	Easting:	661,503.50 usft	Longitude:	-103.9423614
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,643.0 usft	Ground Level:	3,615.0 usft
Grid Convergence:		0.21 °				

Wellbore	BHL: 660' FSL & 100' FWL, Sec 4				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.36	60.54	48,525.86754800

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	262.96	

Plan Survey Tool Program	Date	12/9/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	0.0	Design #1 (BHL: 660' 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	0.0	0.00	0.00	0.00	0.00	

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Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3643.0usft (Original Well Elev)
Site:	Loco Hills 2/4 B2NM Fed Com #1H	North Reference:	Grid
Well:	Sec. 2, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FWL, Sec 4		
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: 2255' FSL & 2560' FEL (2)									
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
1,820.0	0.00	0.00	1,820.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	1.60	165.91	1,900.0	-1.1	0.3	-0.1	2.00	2.00	0.00
2,000.0	3.60	165.91	1,999.9	-5.5	1.4	-0.7	2.00	2.00	0.00
2,100.0	5.60	165.91	2,099.6	-13.3	3.3	-1.7	2.00	2.00	0.00
2,200.0	7.60	165.91	2,198.9	-24.4	6.1	-3.1	2.00	2.00	0.00
2,300.0	9.60	165.91	2,297.8	-38.9	9.8	-4.9	2.00	2.00	0.00
2,400.0	11.60	165.91	2,396.0	-56.8	14.2	-7.2	2.00	2.00	0.00
2,500.0	13.60	165.91	2,493.6	-77.9	19.6	-9.9	2.00	2.00	0.00
2,600.0	15.60	165.91	2,590.4	-102.4	25.7	-13.0	2.00	2.00	0.00
2,700.0	17.60	165.91	2,686.2	-130.1	32.6	-16.5	2.00	2.00	0.00
2,767.8	18.96	165.91	2,750.6	-150.7	37.8	-19.1	2.00	2.00	0.00
2,800.0	18.96	165.91	2,781.1	-160.8	40.4	-20.4	0.00	0.00	0.00
2,900.0	18.96	165.91	2,875.6	-192.3	48.3	-24.3	0.00	0.00	0.00
3,000.0	18.96	165.91	2,970.2	-223.8	56.2	-28.3	0.00	0.00	0.00
3,100.0	18.96	165.91	3,064.8	-255.4	64.1	-32.3	0.00	0.00	0.00
3,200.0	18.96	165.91	3,159.4	-286.9	72.0	-36.3	0.00	0.00	0.00
3,300.0	18.96	165.91	3,253.9	-318.4	79.9	-40.3	0.00	0.00	0.00
3,400.0	18.96	165.91	3,348.5	-349.9	87.8	-44.3	0.00	0.00	0.00
3,500.0	18.96	165.91	3,443.1	-381.4	95.7	-48.3	0.00	0.00	0.00
3,600.0	18.96	165.91	3,537.7	-412.9	103.6	-52.2	0.00	0.00	0.00
3,700.0	18.96	165.91	3,632.3	-444.4	111.5	-56.2	0.00	0.00	0.00
3,800.0	18.96	165.91	3,726.8	-475.9	119.4	-60.2	0.00	0.00	0.00
3,900.0	18.96	165.91	3,821.4	-507.4	127.3	-64.2	0.00	0.00	0.00
4,000.0	18.96	165.91	3,916.0	-538.9	135.2	-68.2	0.00	0.00	0.00
4,100.0	18.96	165.91	4,010.6	-570.4	143.2	-72.2	0.00	0.00	0.00
4,200.0	18.96	165.91	4,105.1	-601.9	151.1	-76.2	0.00	0.00	0.00
4,300.0	18.96	165.91	4,199.7	-633.4	159.0	-80.2	0.00	0.00	0.00
4,400.0	18.96	165.91	4,294.3	-664.9	166.9	-84.1	0.00	0.00	0.00
4,500.0	18.96	165.91	4,388.9	-696.4	174.8	-88.1	0.00	0.00	0.00
4,600.0	18.96	165.91	4,483.4	-727.9	182.7	-92.1	0.00	0.00	0.00
4,700.0	18.96	165.91	4,578.0	-759.5	190.6	-96.1	0.00	0.00	0.00
4,800.0	18.96	165.91	4,672.6	-791.0	198.5	-100.1	0.00	0.00	0.00
4,900.0	18.96	165.91	4,767.2	-822.5	206.4	-104.1	0.00	0.00	0.00
5,000.0	18.96	165.91	4,861.8	-854.0	214.3	-108.1	0.00	0.00	0.00

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Wellbore:	BHL: 660' FSL & 100' FWL, Sec 4		
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	18.96	165.91	4,956.3	-885.5	222.2	-112.1	0.00	0.00	0.00
5,200.0	18.96	165.91	5,050.9	-917.0	230.1	-116.0	0.00	0.00	0.00
5,300.0	18.96	165.91	5,145.5	-948.5	238.0	-120.0	0.00	0.00	0.00
5,400.0	18.96	165.91	5,240.1	-980.0	245.9	-124.0	0.00	0.00	0.00
5,500.0	18.96	165.91	5,334.6	-1,011.5	253.9	-128.0	0.00	0.00	0.00
5,600.0	18.96	165.91	5,429.2	-1,043.0	261.8	-132.0	0.00	0.00	0.00
5,700.0	18.96	165.91	5,523.8	-1,074.5	269.7	-136.0	0.00	0.00	0.00
5,800.0	18.96	165.91	5,618.4	-1,106.0	277.6	-140.0	0.00	0.00	0.00
5,900.0	18.96	165.91	5,712.9	-1,137.5	285.5	-143.9	0.00	0.00	0.00
6,000.0	18.96	165.91	5,807.5	-1,169.0	293.4	-147.9	0.00	0.00	0.00
6,100.0	18.96	165.91	5,902.1	-1,200.5	301.3	-151.9	0.00	0.00	0.00
6,200.0	18.96	165.91	5,996.7	-1,232.0	309.2	-155.9	0.00	0.00	0.00
6,300.0	18.96	165.91	6,091.3	-1,263.5	317.1	-159.9	0.00	0.00	0.00
6,400.0	18.96	165.91	6,185.8	-1,295.1	325.0	-163.9	0.00	0.00	0.00
6,500.0	18.96	165.91	6,280.4	-1,326.6	332.9	-167.9	0.00	0.00	0.00
6,600.0	18.96	165.91	6,375.0	-1,358.1	340.8	-171.9	0.00	0.00	0.00
6,700.0	18.96	165.91	6,469.6	-1,389.6	348.7	-175.8	0.00	0.00	0.00
6,800.0	18.96	165.91	6,564.1	-1,421.1	356.6	-179.8	0.00	0.00	0.00
6,870.1	18.96	165.91	6,630.4	-1,443.2	362.2	-182.6	0.00	0.00	0.00
6,900.0	18.36	165.91	6,658.8	-1,452.4	364.5	-183.8	2.00	-2.00	0.00
7,000.0	16.36	165.91	6,754.2	-1,481.4	371.8	-187.5	2.00	-2.00	0.00
7,100.0	14.36	165.91	6,850.6	-1,507.1	378.2	-190.7	2.00	-2.00	0.00
7,200.0	12.36	165.91	6,947.9	-1,529.5	383.8	-193.5	2.00	-2.00	0.00
7,300.0	10.36	165.91	7,046.0	-1,548.6	388.6	-196.0	2.00	-2.00	0.00
7,400.0	8.36	165.91	7,144.6	-1,564.3	392.6	-198.0	2.00	-2.00	0.00
7,500.0	6.36	165.91	7,243.8	-1,576.8	395.7	-199.5	2.00	-2.00	0.00
7,600.0	4.36	165.91	7,343.4	-1,585.8	398.0	-200.7	2.00	-2.00	0.00
7,700.0	2.36	165.91	7,443.2	-1,591.5	399.4	-201.4	2.00	-2.00	0.00
7,800.0	0.36	165.91	7,543.1	-1,593.8	400.0	-201.7	2.00	-2.00	0.00
7,817.9	0.00	0.00	7,561.0	-1,593.8	400.0	-201.7	2.00	-2.00	0.00
KOP: 660' FSL & 2165' FEL (2)									
7,850.0	3.21	269.86	7,593.1	-1,593.8	399.1	-200.8	10.00	10.00	0.00
7,900.0	8.21	269.86	7,642.9	-1,593.9	394.1	-195.9	10.00	10.00	0.00
7,950.0	13.21	269.86	7,692.0	-1,593.9	384.8	-186.6	10.00	10.00	0.00
8,000.0	18.21	269.86	7,740.1	-1,593.9	371.3	-173.2	10.00	10.00	0.00
8,050.0	23.21	269.86	7,786.9	-1,593.9	353.6	-155.6	10.00	10.00	0.00
8,100.0	28.21	269.86	7,831.9	-1,594.0	331.9	-134.1	10.00	10.00	0.00
8,150.0	33.21	269.86	7,874.9	-1,594.1	306.4	-108.8	10.00	10.00	0.00
8,200.0	38.21	269.86	7,915.5	-1,594.1	277.2	-79.8	10.00	10.00	0.00
8,250.0	43.21	269.86	7,953.3	-1,594.2	244.6	-47.5	10.00	10.00	0.00
8,300.0	48.21	269.86	7,988.2	-1,594.3	208.9	-11.9	10.00	10.00	0.00
8,350.0	53.20	269.86	8,019.9	-1,594.4	170.2	26.5	10.00	10.00	0.00
8,400.0	58.20	269.86	8,048.1	-1,594.5	128.9	67.5	10.00	10.00	0.00
8,450.0	63.20	269.86	8,072.5	-1,594.6	85.3	110.7	10.00	10.00	0.00
8,500.0	68.20	269.86	8,093.1	-1,594.7	39.7	156.0	10.00	10.00	0.00
8,550.0	73.20	269.86	8,109.6	-1,594.8	-7.4	202.8	10.00	10.00	0.00
8,600.0	78.20	269.86	8,122.0	-1,594.9	-55.9	250.9	10.00	10.00	0.00
8,650.0	83.20	269.86	8,130.0	-1,595.0	-105.2	299.8	10.00	10.00	0.00
8,700.0	88.20	269.86	8,133.8	-1,595.2	-155.0	349.3	10.00	10.00	0.00
8,718.0	89.99	269.86	8,134.1	-1,595.2	-173.0	367.2	10.00	10.00	0.00
LP/FTP: 660' FSL & 2545' FWL (2)									
8,727.3	90.93	269.86	8,134.0	-1,595.2	-182.3	376.4	10.00	10.00	0.00
8,800.0	90.93	269.86	8,132.8	-1,595.4	-255.0	448.6	0.00	0.00	0.00
8,900.0	90.93	269.86	8,131.2	-1,595.6	-355.0	547.9	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Loco Hills 2/4 B2NM Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3643.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3643.0usft (Original Well Elev)
Site:	Loco Hills 2/4 B2NM Fed Com #1H	North Reference:	Grid
Well:	Sec. 2, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FWL, Sec 4		
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)
9,000.0	90.93	269.86	8,129.6	-1,595.9	-455.0	647.1	0.00	0.00	0.00
9,100.0	90.93	269.86	8,128.0	-1,596.1	-555.0	746.4	0.00	0.00	0.00
9,200.0	90.93	269.86	8,126.4	-1,596.3	-655.0	845.6	0.00	0.00	0.00
9,300.0	90.93	269.86	8,124.7	-1,596.6	-755.0	944.9	0.00	0.00	0.00
9,400.0	90.93	269.86	8,123.1	-1,596.8	-854.9	1,044.2	0.00	0.00	0.00
9,500.0	90.93	269.86	8,121.5	-1,597.0	-954.9	1,143.4	0.00	0.00	0.00
9,600.0	90.93	269.86	8,119.9	-1,597.3	-1,054.9	1,242.7	0.00	0.00	0.00
9,700.0	90.93	269.86	8,118.3	-1,597.5	-1,154.9	1,341.9	0.00	0.00	0.00
9,800.0	90.93	269.86	8,116.7	-1,597.8	-1,254.9	1,441.2	0.00	0.00	0.00
9,900.0	90.93	269.86	8,115.0	-1,598.0	-1,354.9	1,540.5	0.00	0.00	0.00
10,000.0	90.93	269.86	8,113.4	-1,598.2	-1,454.9	1,639.7	0.00	0.00	0.00
10,100.0	90.93	269.86	8,111.8	-1,598.5	-1,554.9	1,739.0	0.00	0.00	0.00
10,200.0	90.93	269.86	8,110.2	-1,598.7	-1,654.8	1,838.3	0.00	0.00	0.00
10,300.0	90.93	269.86	8,108.6	-1,598.9	-1,754.8	1,937.5	0.00	0.00	0.00
10,400.0	90.93	269.86	8,107.0	-1,599.2	-1,854.8	2,036.8	0.00	0.00	0.00
10,500.0	90.93	269.86	8,105.3	-1,599.4	-1,954.8	2,136.0	0.00	0.00	0.00
10,600.0	90.93	269.86	8,103.7	-1,599.7	-2,054.8	2,235.3	0.00	0.00	0.00
10,700.0	90.93	269.86	8,102.1	-1,599.9	-2,154.8	2,334.6	0.00	0.00	0.00
10,800.0	90.93	269.86	8,100.5	-1,600.1	-2,254.8	2,433.8	0.00	0.00	0.00
10,900.0	90.93	269.86	8,098.9	-1,600.4	-2,354.7	2,533.1	0.00	0.00	0.00
11,000.0	90.93	269.86	8,097.3	-1,600.6	-2,454.7	2,632.4	0.00	0.00	0.00
11,100.0	90.93	269.86	8,095.6	-1,600.8	-2,554.7	2,731.6	0.00	0.00	0.00
11,200.0	90.93	269.86	8,094.0	-1,601.1	-2,654.7	2,830.9	0.00	0.00	0.00
11,300.0	90.93	269.86	8,092.4	-1,601.3	-2,754.7	2,930.1	0.00	0.00	0.00
11,400.0	90.93	269.86	8,090.8	-1,601.5	-2,854.7	3,029.4	0.00	0.00	0.00
11,500.0	90.93	269.86	8,089.2	-1,601.8	-2,954.7	3,128.7	0.00	0.00	0.00
11,600.0	90.93	269.86	8,087.6	-1,602.0	-3,054.7	3,227.9	0.00	0.00	0.00
11,663.4	90.93	269.86	8,086.5	-1,602.2	-3,118.0	3,290.8	0.00	0.00	0.00
PPP2: 660' FSL & 0' FEL (3)									
11,700.0	90.93	269.86	8,085.9	-1,602.3	-3,154.6	3,327.2	0.00	0.00	0.00
11,800.0	90.93	269.86	8,084.3	-1,602.5	-3,254.6	3,426.5	0.00	0.00	0.00
11,900.0	90.93	269.86	8,082.7	-1,602.7	-3,354.6	3,525.7	0.00	0.00	0.00
12,000.0	90.93	269.86	8,081.1	-1,603.0	-3,454.6	3,625.0	0.00	0.00	0.00
12,100.0	90.93	269.86	8,079.5	-1,603.2	-3,554.6	3,724.2	0.00	0.00	0.00
12,200.0	90.93	269.86	8,077.9	-1,603.4	-3,654.6	3,823.5	0.00	0.00	0.00
12,300.0	90.93	269.86	8,076.2	-1,603.7	-3,754.6	3,922.8	0.00	0.00	0.00
12,400.0	90.93	269.86	8,074.6	-1,603.9	-3,854.5	4,022.0	0.00	0.00	0.00
12,500.0	90.93	269.86	8,073.0	-1,604.2	-3,954.5	4,121.3	0.00	0.00	0.00
12,600.0	90.93	269.86	8,071.4	-1,604.4	-4,054.5	4,220.6	0.00	0.00	0.00
12,700.0	90.93	269.86	8,069.8	-1,604.6	-4,154.5	4,319.8	0.00	0.00	0.00
12,800.0	90.93	269.86	8,068.2	-1,604.9	-4,254.5	4,419.1	0.00	0.00	0.00
12,900.0	90.93	269.86	8,066.5	-1,605.1	-4,354.5	4,518.3	0.00	0.00	0.00
13,000.0	90.93	269.86	8,064.9	-1,605.3	-4,454.5	4,617.6	0.00	0.00	0.00
13,100.0	90.93	269.86	8,063.3	-1,605.6	-4,554.5	4,716.9	0.00	0.00	0.00
13,200.0	90.93	269.86	8,061.7	-1,605.8	-4,654.4	4,816.1	0.00	0.00	0.00
13,300.0	90.93	269.86	8,060.1	-1,606.0	-4,754.4	4,915.4	0.00	0.00	0.00
13,400.0	90.93	269.86	8,058.5	-1,606.3	-4,854.4	5,014.7	0.00	0.00	0.00
13,500.0	90.93	269.86	8,056.8	-1,606.5	-4,954.4	5,113.9	0.00	0.00	0.00
13,600.0	90.93	269.86	8,055.2	-1,606.8	-5,054.4	5,213.2	0.00	0.00	0.00
13,700.0	90.93	269.86	8,053.6	-1,607.0	-5,154.4	5,312.4	0.00	0.00	0.00
13,800.0	90.93	269.86	8,052.0	-1,607.2	-5,254.4	5,411.7	0.00	0.00	0.00
13,900.0	90.93	269.86	8,050.4	-1,607.5	-5,354.3	5,511.0	0.00	0.00	0.00
14,000.0	90.93	269.86	8,048.8	-1,607.7	-5,454.3	5,610.2	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Loco Hills 2/4 B2NM Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3643.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3643.0usft (Original Well Elev)
Site:	Loco Hills 2/4 B2NM Fed Com #1H	North Reference:	Grid
Well:	Sec. 2, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FWL, Sec 4		
Design:	Design #1		

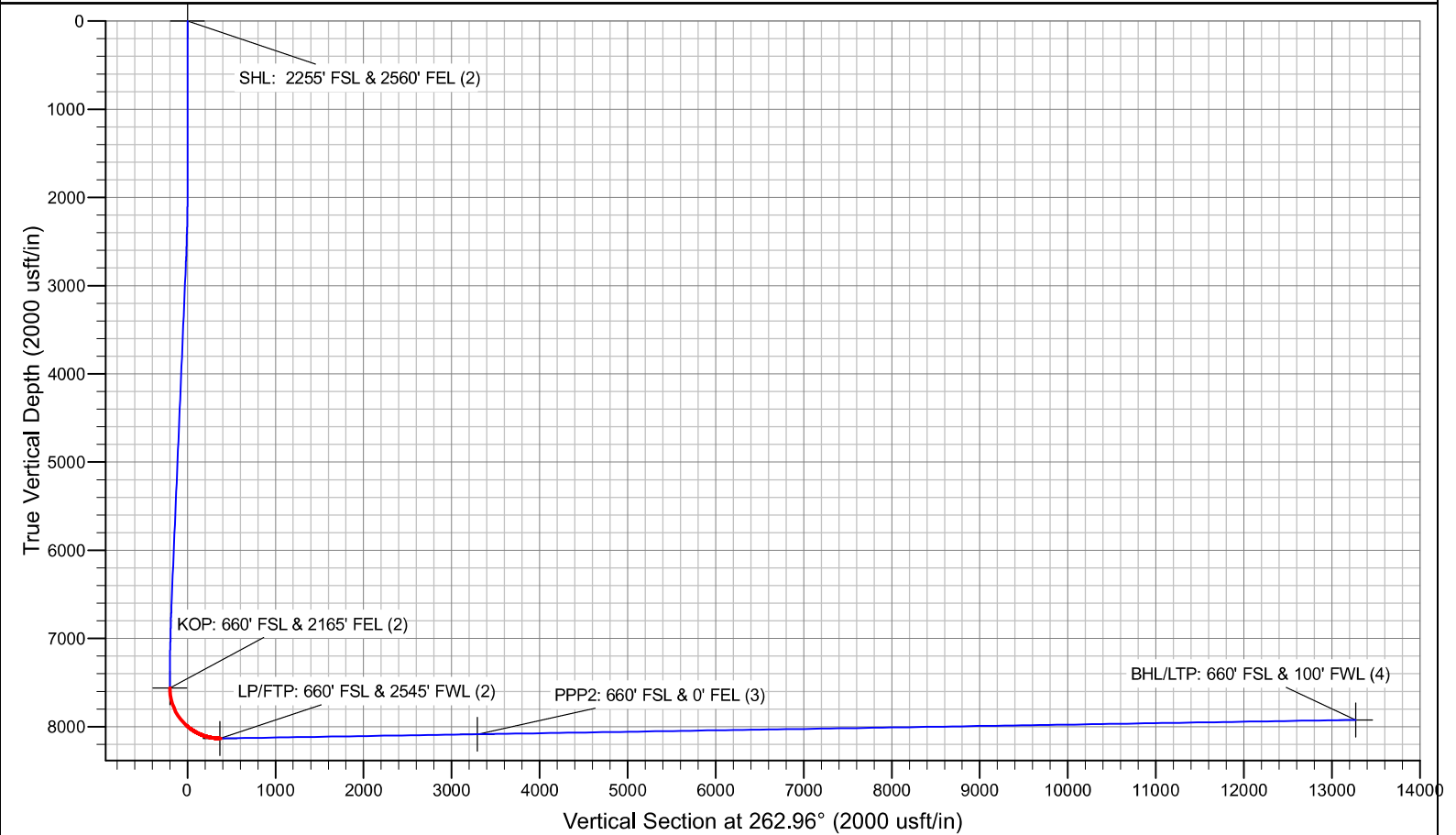
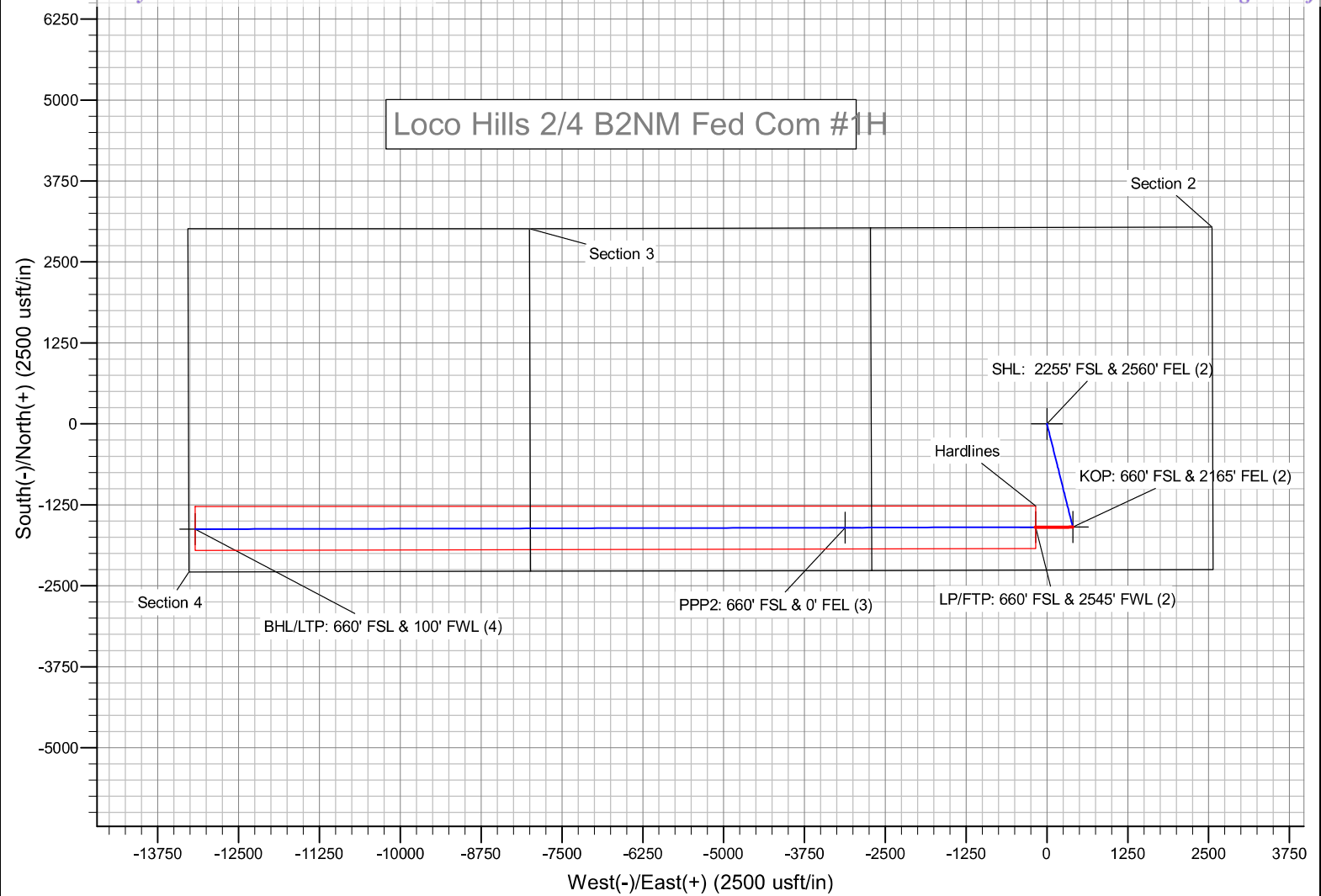
Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,100.0	90.93	269.86	8,047.1	-1,607.9	-5,554.3	5,709.5	0.00	0.00	0.00	
14,200.0	90.93	269.86	8,045.5	-1,608.2	-5,654.3	5,808.8	0.00	0.00	0.00	
14,300.0	90.93	269.86	8,043.9	-1,608.4	-5,754.3	5,908.0	0.00	0.00	0.00	
14,400.0	90.93	269.86	8,042.3	-1,608.7	-5,854.3	6,007.3	0.00	0.00	0.00	
14,500.0	90.93	269.86	8,040.7	-1,608.9	-5,954.3	6,106.5	0.00	0.00	0.00	
14,600.0	90.93	269.86	8,039.1	-1,609.1	-6,054.3	6,205.8	0.00	0.00	0.00	
14,700.0	90.93	269.86	8,037.4	-1,609.4	-6,154.2	6,305.1	0.00	0.00	0.00	
14,800.0	90.93	269.86	8,035.8	-1,609.6	-6,254.2	6,404.3	0.00	0.00	0.00	
14,900.0	90.93	269.86	8,034.2	-1,609.8	-6,354.2	6,503.6	0.00	0.00	0.00	
15,000.0	90.93	269.86	8,032.6	-1,610.1	-6,454.2	6,602.8	0.00	0.00	0.00	
15,100.0	90.93	269.86	8,031.0	-1,610.3	-6,554.2	6,702.1	0.00	0.00	0.00	
15,200.0	90.93	269.86	8,029.4	-1,610.5	-6,654.2	6,801.4	0.00	0.00	0.00	
15,300.0	90.93	269.86	8,027.7	-1,610.8	-6,754.2	6,900.6	0.00	0.00	0.00	
15,400.0	90.93	269.86	8,026.1	-1,611.0	-6,854.1	6,999.9	0.00	0.00	0.00	
15,500.0	90.93	269.86	8,024.5	-1,611.3	-6,954.1	7,099.2	0.00	0.00	0.00	
15,600.0	90.93	269.86	8,022.9	-1,611.5	-7,054.1	7,198.4	0.00	0.00	0.00	
15,700.0	90.93	269.86	8,021.3	-1,611.7	-7,154.1	7,297.7	0.00	0.00	0.00	
15,800.0	90.93	269.86	8,019.7	-1,612.0	-7,254.1	7,396.9	0.00	0.00	0.00	
15,900.0	90.93	269.86	8,018.0	-1,612.2	-7,354.1	7,496.2	0.00	0.00	0.00	
16,000.0	90.93	269.86	8,016.4	-1,612.4	-7,454.1	7,595.5	0.00	0.00	0.00	
16,100.0	90.93	269.86	8,014.8	-1,612.7	-7,554.1	7,694.7	0.00	0.00	0.00	
16,200.0	90.93	269.86	8,013.2	-1,612.9	-7,654.0	7,794.0	0.00	0.00	0.00	
16,300.0	90.93	269.86	8,011.6	-1,613.2	-7,754.0	7,893.3	0.00	0.00	0.00	
16,400.0	90.93	269.86	8,010.0	-1,613.4	-7,854.0	7,992.5	0.00	0.00	0.00	
16,500.0	90.93	269.86	8,008.3	-1,613.6	-7,954.0	8,091.8	0.00	0.00	0.00	
16,600.0	90.93	269.86	8,006.7	-1,613.9	-8,054.0	8,191.0	0.00	0.00	0.00	
16,700.0	90.93	269.86	8,005.1	-1,614.1	-8,154.0	8,290.3	0.00	0.00	0.00	
16,800.0	90.93	269.86	8,003.5	-1,614.3	-8,254.0	8,389.6	0.00	0.00	0.00	
16,900.0	90.93	269.86	8,001.9	-1,614.6	-8,353.9	8,488.8	0.00	0.00	0.00	
17,000.0	90.93	269.86	8,000.3	-1,614.8	-8,453.9	8,588.1	0.00	0.00	0.00	
17,100.0	90.93	269.86	7,998.6	-1,615.0	-8,553.9	8,687.4	0.00	0.00	0.00	
17,200.0	90.93	269.86	7,997.0	-1,615.3	-8,653.9	8,786.6	0.00	0.00	0.00	
17,300.0	90.93	269.86	7,995.4	-1,615.5	-8,753.9	8,885.9	0.00	0.00	0.00	
17,400.0	90.93	269.86	7,993.8	-1,615.8	-8,853.9	8,985.1	0.00	0.00	0.00	
17,500.0	90.93	269.86	7,992.2	-1,616.0	-8,953.9	9,084.4	0.00	0.00	0.00	
17,600.0	90.93	269.86	7,990.6	-1,616.2	-9,053.9	9,183.7	0.00	0.00	0.00	
17,700.0	90.93	269.86	7,988.9	-1,616.5	-9,153.8	9,282.9	0.00	0.00	0.00	
17,800.0	90.93	269.86	7,987.3	-1,616.7	-9,253.8	9,382.2	0.00	0.00	0.00	
17,900.0	90.93	269.86	7,985.7	-1,616.9	-9,353.8	9,481.5	0.00	0.00	0.00	
18,000.0	90.93	269.86	7,984.1	-1,617.2	-9,453.8	9,580.7	0.00	0.00	0.00	
18,100.0	90.93	269.86	7,982.5	-1,617.4	-9,553.8	9,680.0	0.00	0.00	0.00	
18,200.0	90.93	269.86	7,980.9	-1,617.7	-9,653.8	9,779.2	0.00	0.00	0.00	
18,300.0	90.93	269.86	7,979.2	-1,617.9	-9,753.8	9,878.5	0.00	0.00	0.00	
18,400.0	90.93	269.86	7,977.6	-1,618.1	-9,853.7	9,977.8	0.00	0.00	0.00	
18,500.0	90.93	269.86	7,976.0	-1,618.4	-9,953.7	10,077.0	0.00	0.00	0.00	
18,600.0	90.93	269.86	7,974.4	-1,618.6	-10,053.7	10,176.3	0.00	0.00	0.00	
18,700.0	90.93	269.86	7,972.8	-1,618.8	-10,153.7	10,275.6	0.00	0.00	0.00	
18,800.0	90.93	269.86	7,971.2	-1,619.1	-10,253.7	10,374.8	0.00	0.00	0.00	
18,900.0	90.93	269.86	7,969.5	-1,619.3	-10,353.7	10,474.1	0.00	0.00	0.00	
19,000.0	90.93	269.86	7,967.9	-1,619.5	-10,453.7	10,573.3	0.00	0.00	0.00	
19,100.0	90.93	269.86	7,966.3	-1,619.8	-10,553.7	10,672.6	0.00	0.00	0.00	
19,200.0	90.93	269.86	7,964.7	-1,620.0	-10,653.6	10,771.9	0.00	0.00	0.00	
19,300.0	90.93	269.86	7,963.1	-1,620.3	-10,753.6	10,871.1	0.00	0.00	0.00	
19,400.0	90.93	269.86	7,961.5	-1,620.5	-10,853.6	10,970.4	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Loco Hills 2/4 B2NM Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3643.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3643.0usft (Original Well Elev)
Site:	Loco Hills 2/4 B2NM Fed Com #1H	North Reference:	Grid
Well:	Sec. 2, T18S, R30E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FWL, Sec 4		
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)
19,500.0	90.93	269.86	7,959.8	-1,620.7	-10,953.6	11,069.7	0.00	0.00	0.00
19,600.0	90.93	269.86	7,958.2	-1,621.0	-11,053.6	11,168.9	0.00	0.00	0.00
19,700.0	90.93	269.86	7,956.6	-1,621.2	-11,153.6	11,268.2	0.00	0.00	0.00
19,800.0	90.93	269.86	7,955.0	-1,621.4	-11,253.6	11,367.4	0.00	0.00	0.00
19,900.0	90.93	269.86	7,953.4	-1,621.7	-11,353.5	11,466.7	0.00	0.00	0.00
20,000.0	90.93	269.86	7,951.8	-1,621.9	-11,453.5	11,566.0	0.00	0.00	0.00
20,100.0	90.93	269.86	7,950.1	-1,622.2	-11,553.5	11,665.2	0.00	0.00	0.00
20,200.0	90.93	269.86	7,948.5	-1,622.4	-11,653.5	11,764.5	0.00	0.00	0.00
20,300.0	90.93	269.86	7,946.9	-1,622.6	-11,753.5	11,863.7	0.00	0.00	0.00
20,400.0	90.93	269.86	7,945.3	-1,622.9	-11,853.5	11,963.0	0.00	0.00	0.00
20,500.0	90.93	269.86	7,943.7	-1,623.1	-11,953.5	12,062.3	0.00	0.00	0.00
20,600.0	90.93	269.86	7,942.1	-1,623.3	-12,053.5	12,161.5	0.00	0.00	0.00
20,700.0	90.93	269.86	7,940.4	-1,623.6	-12,153.4	12,260.8	0.00	0.00	0.00
20,800.0	90.93	269.86	7,938.8	-1,623.8	-12,253.4	12,360.1	0.00	0.00	0.00
20,900.0	90.93	269.86	7,937.2	-1,624.0	-12,353.4	12,459.3	0.00	0.00	0.00
21,000.0	90.93	269.86	7,935.6	-1,624.3	-12,453.4	12,558.6	0.00	0.00	0.00
21,100.0	90.93	269.86	7,934.0	-1,624.5	-12,553.4	12,657.8	0.00	0.00	0.00
21,200.0	90.93	269.86	7,932.4	-1,624.8	-12,653.4	12,757.1	0.00	0.00	0.00
21,300.0	90.93	269.86	7,930.7	-1,625.0	-12,753.4	12,856.4	0.00	0.00	0.00
21,400.0	90.93	269.86	7,929.1	-1,625.2	-12,853.3	12,955.6	0.00	0.00	0.00
21,500.0	90.93	269.86	7,927.5	-1,625.5	-12,953.3	13,054.9	0.00	0.00	0.00
21,600.0	90.93	269.86	7,925.9	-1,625.7	-13,053.3	13,154.2	0.00	0.00	0.00
21,700.0	90.93	269.86	7,924.3	-1,625.9	-13,153.3	13,253.4	0.00	0.00	0.00
21,716.8	90.93	269.86	7,924.0	-1,626.0	-13,170.1	13,270.1	0.00	0.00	0.00
BHL/LTP: 660' FSL & 100' FWL (4)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
SHL: 2255' FSL & 2560'	0.00	0.00	0.0	0.0	0.0	646,036.02	661,503.50	32.7753765	-103.9423614
- plan hits target center									
- Point									
KOP: 660' FSL & 2165' F	0.00	0.00	7,561.0	-1,593.8	400.0	644,442.18	661,903.50	32.7709916	-103.9410792
- plan hits target center									
- Point									
BHL/LTP: 660' FSL & 10	0.00	0.00	7,924.0	-1,626.0	-13,170.1	644,410.04	648,333.35	32.7710337	-103.9852285
- plan hits target center									
- Point									
PPP2: 660' FSL & 0' FEI	0.00	0.00	8,086.5	-1,602.2	-3,118.0	644,433.85	658,385.50	32.7710040	-103.9525247
- plan hits target center									
- Point									
LP/FTP: 660' FSL & 254	0.00	0.00	8,134.1	-1,595.2	-173.0	644,440.83	661,330.50	32.7709937	-103.9429434
- plan hits target center									
- Point									



Intent ☒ As Drilled ☐

API #		
Operator Name: Mewbourne Oil Co.	Property Name: Loco Hills 2/4 B2NM Fed Com	Well Number 1H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
O	2	18S	30E		660	S	2165	E	EDDY
Latitude 32.7709916					Longitude -103.9410792				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	2	18S	30E		660	S	2545	W	EDDY
Latitude 32.7709937					Longitude -103.9429434				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	4	18S	30E		660	S	100	W	EDDY
Latitude 32.7710337					Longitude -103.9852285				NAD 83

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



Mewbourne Oil Company

Sundry Request:

Mewbourne Oil Company requests that the following changes be made to Loco Hills 2/3 B2KL Fed Com #2H well:

1. Well name change to Loco Hills 2/4 B2NM Fed Com #1H
2. BHL change to 660' FSL & 100' FWL in Sec 4, T18S, R30E
3. Changes to directional design plot & plan corresponding to BHL change are included in sundry attachments.
4. Changes to csg program & cmt program corresponding to BHL change are included in this sundry request on page 3 & 4.

Mewbourne Oil Company, Loco Hills 2/4 B2NM Fed Com #1H
Sec 2, T18S, R30E
SL: 2255' FSL & 2560' FEL (2)
BHL: 660' FSL & 100' FWL (4)

Well Location Table

Wellbore	N S Foot	N S Indicator	E W Foot	E W Indicator	Twp	Range	Section	Aliquot/Lot/Tract	Lat	Long	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will well produce from this lease?
SHL	2255	S	2560	E	18S	30E	2	NWSE	32.77753765	-103.9423614	Eddy	NM	First Prin	Fed	Fee	3615	0	0	N
KOP	660	S	2165	E	18S	30E	2	SWSE	32.7709916	-103.9410792	Eddy	NM	First Prin	Fed	Fee	-3946	7818	7561	N
PPP1	660	S	2545	W	18S	30E	2	SESW	32.7709937	-103.9429434	Eddy	NM	First Prin	Fed	Fee	-4519	8718	8134	Y
PPP2	660	S	0	E	18S	30E	3	SESE	32.7710040	-103.9525247	Eddy	NM	First Prin	Fed	NMNM00 01159	-4472	11663	8087	Y
Exit	660	S	100	W	18S	30E	4	SWSW	32.7710337	-103.9852285	Eddy	NM	First Prin	Fed	NMNM00 01159	-4309	21717	7924	Y
BHL	660	S	100	W	18S	30E	4	SWSW	32.7710337	-103.9852285	Eddy	NM	First Prin	Fed	NMNM00 01159	-4309	21717	7924	Y

Mewbourne Oil Company, Loco Hills 2/4 B2NM Fed Com #1H
Sec 2, T18S, R30E
SL: 2255' FSL & 2560' FEL (2)
BHL: 660' FSL & 100' FWL (4)

Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
	From	To								
17.5"	0'	540'	13.375"	48	H40	STC	3.26	7.33	12.42	20.87
12.25"	0'	1820'	9.625"	36	J55	LTC	2.13	3.72	6.91	8.61
8.75"	0'	8718'	7"	26	P110	LTC	1.55	2.48	3.06	3.66
6.125"	7818'	21717'	4.5"	13.5	P110	LTC	2.10	2.45	1.80	2.25
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h
 Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Mewbourne Oil Company, Loco Hills 2/4 B2NM Fed Com #1H
Sec 2, T18S, R30E
SL: 2255' FSL & 2560' FEL (2)
BHL: 660' FSL & 100' FWL (4)

Cementing Program

Casing	# Sks	Wt. lb/gal	Yld ft3/sack	Cu. Ft	% Excess	Slurry Description
Surf.	230	12.5	2.12	488	100	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	268	100	Tail: Class C + Retarder
Inter.	210	12.5	2.12	445	25	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	268	25	Tail: Class C + Retarder
Prod.	410	12.5	2.12	869	25	Lead: Class C + Salt + Gel + Extender + LCM
	400	15.6	1.18	472	25	Tail: Class H + Retarder + Fluid Loss + Defoamer
Liner	550	11.2	2.97	1634	25	Class H + Salt + Gel + Fluid Loss + Retarder + Dispersant + Defoamer + Anti-Settling Agent

A copy of cement test will be available on location at time of cement job providing pump times & compressive strengths.

Casing String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
Production	1600'	25%
Liner	7818'	25%

Mud Program

TVD		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0'	540'	Spud Mud	8.6-8.8	28-34	N/C
540'	1820'	Saturated Brine	10.0	28-34	N/C
1820'	8718'	Water Based Mud	8.6-9.7	28-34	N/C
8718'	21386'	OBM	8.6-10	30-40	<10cc

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	Pason/PVT/Visual Monitoring
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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

COMMENTS

Action 95277

COMMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 95277
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 4/8/2022	4/8/2022

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CONDITIONS

Action 95277

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 95277
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	4/8/2022