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State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Mewbourne Oil Company PO Box 5270 Hobbs, NM 88240		² OGRID Number 14744
		³ Reason for Filing Code/ Effective Date NW / 01/14/2021
⁴ API Number 30 - 025-45601	⁵ Pool Name Gramma Ridge; Bone Spring	⁶ Pool Code 28430
⁷ Property Code 329752	⁸ Property Name Black Sheep 4/33 B3PA Fed Com	⁹ Well Number 2H

II. 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
O	4	22S	34E		222	South	2078	East	Lea

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	33	21S	34E		89	North	672	East	Lea
¹² Lse Code F	¹³ Producing Method Code Flowing		¹⁴ Gas Connection Date 01/14/2021		¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Oryx 4000 N. Big Spring Suite 400 Midland, TX 79705	O
372603	3 Bear Energy, LLC 1512 Larimer St Suite 540 Denver, CO 80202	G


IV. Well Completion Data We are asking for an exemption from tubing at this time

²¹ Spud Date 09/28/2020	²² Ready Date 01/14/2021	²³ TD 21630'	²⁴ PBSD 21589'	²⁵ Perforations 11605' - 21574'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement	
17 1/2"		13 3/8"	1808'	1475	
12 1/4"		9 5/8"	5605'	1500	
8 3/4"		7"	11348'	975	
6 1/8"		4 1/2" Liner	10724' - 21630'	875	

V. Well Test Data

³¹ Date New Oil 01/14/2021	³² Gas Delivery Date 01/14/2021	³³ Test Date 01/18/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure NA	³⁶ Csg. Pressure 3430
³⁷ Choke Size 30/64"	³⁸ Oil 944	³⁹ Water 2350	⁴⁰ Gas 2330	⁴¹ Test Method Production	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: 
Printed name: Jackie Lathan
Title: Regulatory
E-mail Address: jlathan@mewbourne.com
Date: 03/22/2021 Phone: 575-393-5905

OIL CONSERVATION DIVISION

Approved by: *PATRICIA MARTINEZ*
Title: *PETROLEUM SPECIALIST*
Approval Date: *1/13/2022*

Received by OCD: 12/14/2021 2:57:54 PM

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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 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

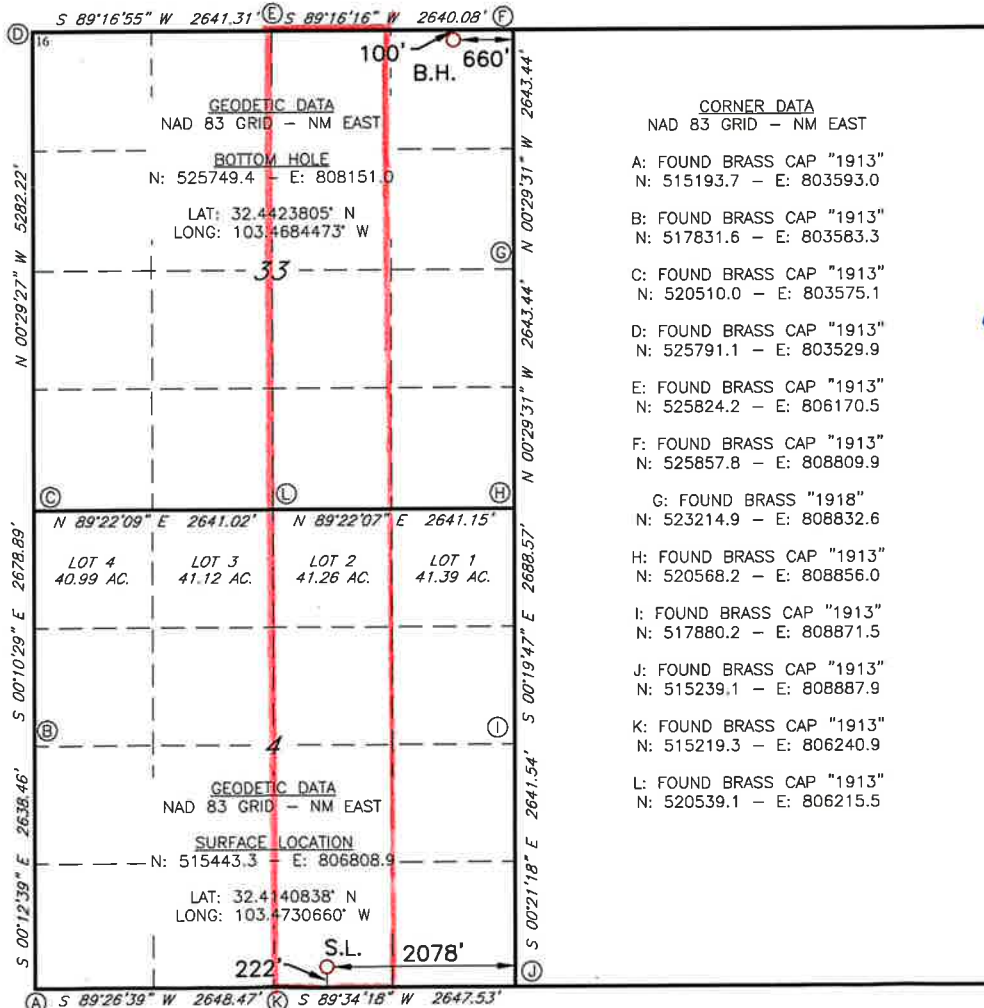
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-45601		² Pool Code 28430		³ Pool Name Gramma Ridge; Bone Spring					
⁴ Property Code 329752		⁵ Property Name BLACK SHEEP 4/33 B3PA FED COM						⁶ Well Number 2H	
⁷ GRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3597'	
¹⁰ Surface Location									
UL or lot no. 0	Section 4	Township 22S	Range 34E	Lot Idn	Feet from the 222	North/South line SOUTH	Feet From the 2078	East/West line EAST	County LEA
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. A	Section 33	Township 21S	Range 34E	Lot Idn	Feet from the 89'	North/South line NORTH	Feet from the 672'	East/West line EAST	County LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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



¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Jackie Lathan* Date: **3/22/2021**
Printed Name: **Jackie Lathan**
E-mail Address: **j1athan@mewbourne.com**

¹⁸ SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: **3-25-2019**
Signature and Seal of Professional Surveyor: *[Signature]*
Certificate Number: **19680**
REV:3-30-20 NAME/BHL

LS1802134R1

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⁴ API Number 30 - 025-45601	⁵ Pool Name Grama Ridge; Bone Spring		⁶ Pool Code 28430
⁷ Property Code 329752	⁸ Property Name Black Sheep 4/33 B3PA Fed Com		⁹ Well Number 2H
³ Reason for Filing Code/ Effective Date NW / 01/14/2021			

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Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
O	4	22S	34E		222	South	2078	East	Lea

¹¹ Bottom Hole Location

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¹² Lse Code F	¹³ Producing Method Flowing	¹⁴ Gas Connection Date 01/14/2021	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				


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Signature: 			OIL CONSERVATION DIVISION		
Printed name: Jackie Lathan			Approved by:		
Title: Regulatory			Title:		
E-mail Address: jlathan@mewbourne.com			Approval Date:		
Date: 03/22/2021			Phone: 575-393-5905		



Company: Mewbourne Oil Company
 Site: Black Sheep
 Well: Black Sheep 4/33 B3PA FED COM 2H
 Project: Lea County, NM (NAD83) NMEZ Grid
 Rig: Patterson 560

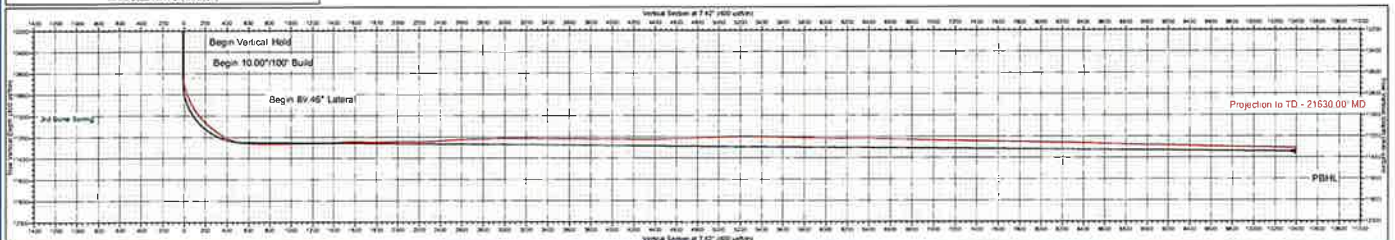
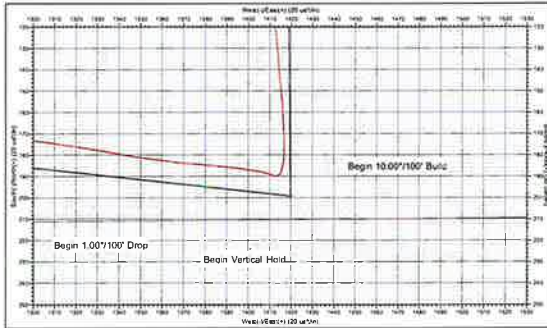
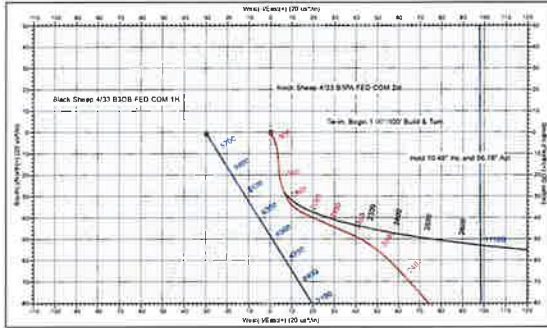
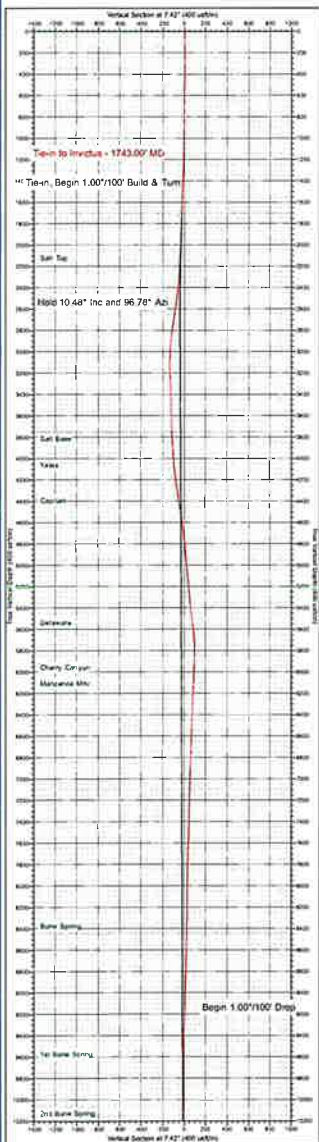
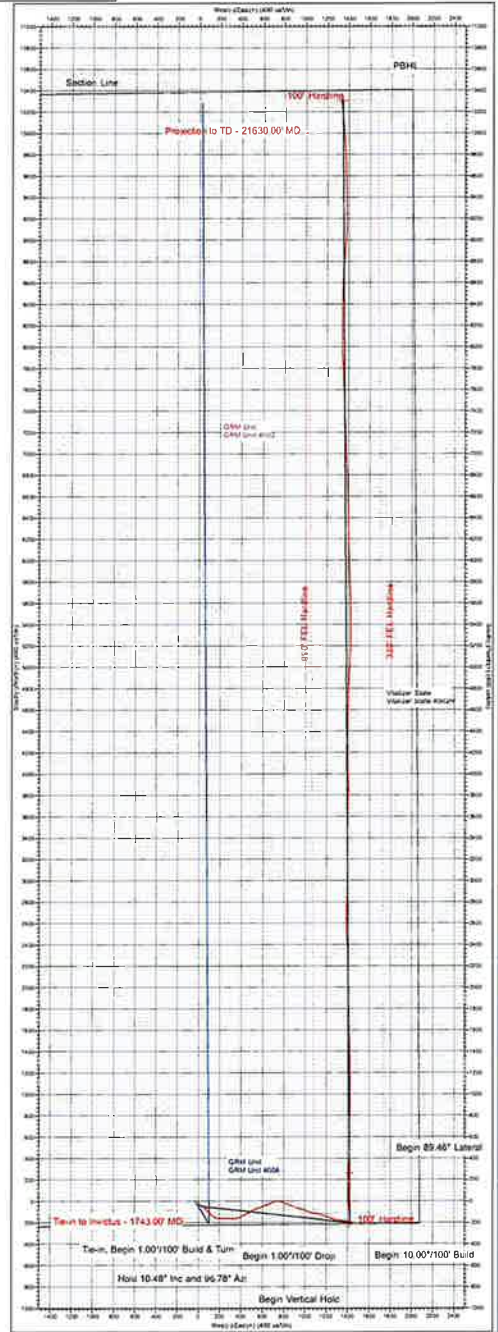
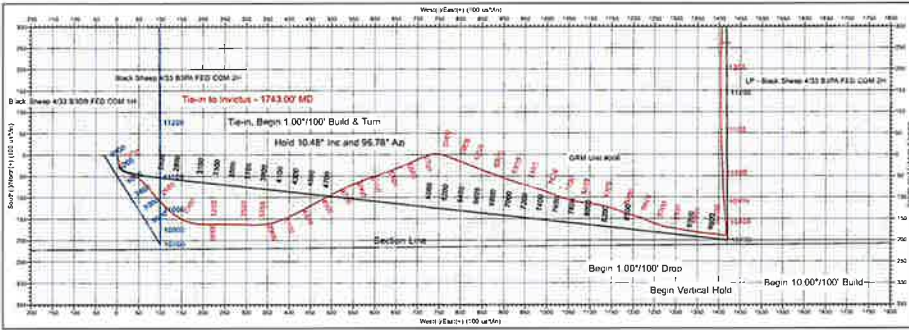


Annotations to Grid North
 True North: -0.48°
 Magnetic North: 6.14°
 Magnetic Field Strength: 47688.0317
 Dip Angle: 66.31°
 Date: 9/20/2022
 Model: IGRF2020

UT Zone: 10Q3
 New Mexico Eastern Zone

Created By: HLL
 Date: 8 Feb October 27, 2020
 Plot: Section #2

ANNOTATIONS									
MD	Inc	Azi	TVD	+N-S	+E-W	Vsect	Departure	Annotation	
1743.00	2.20	151.15	1742.57	-27.76	6.19	-26.73	0.00	Tie-in, Begin 1.00°/100' Build & Turn	
2681.27	10.48	96.32	2674.76	-52.99	99.89	-39.64	98.78	Hold 10.48° Inc and 96.78° Azi	
9456.52	10.48	96.32	8337.03	-186.62	1324.53	-16.00	1330.91	Begin 1.00°/100' Drop	
10504.32	0.00	0.00	10379.00	-199.13	1419.49	-14.16	1426.45	Begin Vertical Hold	
10759.32	0.00	0.00	10674.00	-199.13	1419.49	-14.16	1426.45	Begin 10.00°/100' Build	
11693.95	89.46	359.58	11248.93	368.44	1415.31	548.12	1994.05	Begin 89.46° Lateral	
21632.32	89.46	359.58	11340.00	10306.10	1342.10	10393.12	11931.97	PBHL	





Mewbourne Oil Company

Lea County, NM (NAD83) NMEZ Grid

Black Sheep

Black Sheep 4/33 B3PA FED COM 2H

Wellbore #1

Design: Surveys

Standard Survey Report

27 October, 2020





Stryker Directional
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4/33 B3PA FED COM 2H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	WELL @ 3625.00usft (Patterson 560)
Site:	Black Sheep	MD Reference:	WELL @ 3625.00usft (Patterson 560)
Well:	Black Sheep 4/33 B3PA FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Project	Lea County, NM (NAD83) NMEZ Grid		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Black Sheep				
Site Position:	Northing:	515,442.7000 usft	Latitude:	32° 24' 50.698 N	
From: Map	Easting:	806,779.1000 usft	Longitude:	103° 28' 23.386 W	
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46 °

Well	Black Sheep 4/33 B3PA FED COM 2H					
Well Position	+N/-S	0.00 usft	Northing:	515,443.3000 usft	Latitude:	32° 24' 50.702 N
	+E/-W	0.00 usft	Easting:	806,808.9000 usft	Longitude:	103° 28' 23.038 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,597.00 usft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	9/30/2020	6.60	60.11	47,688.93650865

Design	Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	7.42	

Survey Program	Date	10/27/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
172.00	1,743.00	Invictus MWD (Wellbore #1)	MWD	MWD v3:standard declination	
1,832.00	21,630.00	Stryker MWD (Wellbore #1)	MWD	MWD v3:standard declination	

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.00	0.30	110.15	172.00	-0.16	0.42	-0.10	0.17	0.17	0.00
351.00	0.20	33.15	351.00	-0.05	1.03	0.08	0.18	-0.06	-43.02
527.00	0.60	211.15	527.00	-0.59	0.72	-0.49	0.45	0.23	101.14
697.00	0.30	133.15	696.99	-1.65	0.59	-1.56	0.36	-0.18	-45.88
887.00	0.60	147.15	886.99	-2.83	1.49	-2.61	0.17	0.16	7.37
1,111.00	1.50	165.15	1,110.95	-6.65	2.88	-6.22	0.42	0.40	8.04
1,366.00	2.00	178.15	1,365.83	-14.32	3.88	-13.70	0.25	0.20	5.10
1,460.00	2.00	180.15	1,459.77	-17.60	3.93	-16.95	0.07	0.00	2.13
1,554.00	1.80	165.15	1,553.72	-20.67	4.30	-19.94	0.57	-0.21	-15.96



Stryker Directional
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4/33 B3PA FED COM 2H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	WELL @ 3625.00usft (Patterson 560)
Site:	Black Sheep	MD Reference:	WELL @ 3625.00usft (Patterson 560)
Well:	Black Sheep 4/33 B3PA FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

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)
1,649.00	2.50	171.15	1,648.65	-24.16	5.00	-23.31	0.77	0.74	6.32
1,743.00	2.20	151.15	1,742.57	-27.76	6.19	-26.73	0.92	-0.32	-21.28
Final Invictus MWD - 1743.00' MD - Tie-in to Invictus - 1743.00' MD									
1,832.00	2.90	154.90	1,831.49	-31.30	7.97	-30.01	0.81	0.79	4.21
2,020.00	5.60	113.80	2,018.99	-39.31	18.38	-36.61	2.08	1.44	-21.86
2,208.00	7.60	113.50	2,205.73	-47.97	38.18	-42.64	1.06	1.06	-0.16
2,397.00	10.30	137.60	2,392.48	-65.44	61.05	-57.01	2.41	1.43	12.75
2,586.00	12.60	138.90	2,577.71	-93.46	85.99	-81.57	1.22	1.22	0.69
2,775.00	15.00	134.40	2,761.24	-126.11	117.03	-109.94	1.39	1.27	-2.38
2,963.00	13.00	115.00	2,943.75	-152.08	153.60	-130.98	2.70	-1.06	-10.32
3,152.00	13.10	92.20	3,127.99	-161.90	194.29	-135.45	2.71	0.05	-12.06
3,340.00	13.20	88.90	3,311.06	-162.30	237.04	-130.33	0.40	0.05	-1.76
3,529.00	12.90	91.40	3,495.18	-162.40	279.71	-124.92	0.34	-0.16	1.32
3,718.00	12.00	94.40	3,679.74	-164.43	320.39	-121.67	0.59	-0.48	1.59
3,907.00	10.30	73.50	3,865.24	-161.13	356.20	-113.78	2.30	-0.90	-11.06
4,095.00	11.50	67.60	4,049.85	-149.22	389.64	-97.65	0.87	0.64	-3.14
4,284.00	13.30	62.70	4,234.44	-132.07	426.38	-75.90	1.10	0.95	-2.59
4,472.00	15.10	61.10	4,416.69	-110.31	467.04	-49.07	0.98	0.96	-0.85
4,661.00	14.20	62.70	4,599.54	-87.78	509.19	-21.29	0.52	-0.48	0.85
4,850.00	12.10	67.10	4,783.58	-69.44	548.05	1.92	1.23	-1.11	2.33
5,038.00	10.30	71.20	4,968.00	-56.35	582.11	19.29	1.05	-0.96	2.18
5,227.00	11.20	70.70	5,153.68	-44.84	615.43	35.01	0.48	0.48	-0.26
5,415.00	12.50	68.90	5,337.67	-31.48	651.65	52.94	0.72	0.69	-0.96
5,566.00	13.60	66.90	5,484.77	-18.63	683.22	69.76	0.79	0.73	-1.32
5,626.00	13.70	65.40	5,543.07	-12.91	696.17	77.11	0.61	0.17	-2.50
5,689.00	13.70	65.00	5,604.28	-6.65	709.72	85.06	0.15	0.00	-0.63
5,783.00	12.80	77.90	5,695.80	0.24	729.99	94.51	3.28	-0.96	13.72
5,878.00	11.80	96.10	5,788.65	1.41	749.95	98.25	4.20	-1.05	19.16
5,971.00	10.90	112.00	5,879.85	-2.89	767.56	96.26	3.49	-0.97	17.10
6,066.00	10.50	113.00	5,973.20	-9.64	783.86	91.67	0.46	-0.42	1.05
6,160.00	10.20	111.90	6,065.67	-16.09	799.46	87.29	0.38	-0.32	-1.17
6,349.00	9.70	111.20	6,251.83	-28.09	829.84	79.31	0.27	-0.26	-0.37
6,538.00	9.00	110.90	6,438.32	-39.12	858.49	72.07	0.37	-0.37	-0.16
6,726.00	8.40	110.20	6,624.15	-49.11	885.12	65.61	0.32	-0.32	-0.37
6,915.00	8.70	109.40	6,811.05	-58.62	911.55	59.59	0.17	0.16	-0.42
7,103.00	7.30	106.20	6,997.22	-66.68	936.44	54.81	0.78	-0.74	-1.70
7,292.00	9.30	107.30	7,184.23	-74.57	962.55	50.36	1.06	1.06	0.58
7,481.00	8.40	109.00	7,370.98	-83.61	990.18	44.97	0.50	-0.48	0.90
7,670.00	7.80	112.60	7,558.09	-93.03	1,015.08	38.84	0.42	-0.32	1.90
7,789.00	7.60	111.80	7,676.02	-99.06	1,029.84	34.77	0.19	-0.17	-0.67
7,977.00	7.50	104.40	7,862.39	-106.72	1,053.27	30.19	0.52	-0.05	-3.94
8,165.00	9.80	98.40	8,048.25	-112.11	1,080.98	28.43	1.31	1.22	-3.19
8,354.00	9.60	97.40	8,234.54	-116.49	1,112.52	28.16	0.14	-0.11	-0.53



Stryker Directional
Survey Report



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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

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)
8,543.00	9.70	106.10	8,420.88	-122.94	1,143.45	25.76	0.77	0.05	4.60
8,732.00	7.40	112.10	8,607.77	-131.93	1,170.03	20.27	1.30	-1.22	3.17
8,921.00	8.80	105.80	8,794.88	-140.45	1,195.22	15.08	0.88	0.74	-3.33
9,110.00	7.20	111.90	8,982.04	-148.81	1,220.12	10.01	0.96	-0.85	3.23
9,298.00	7.90	113.20	9,168.41	-158.29	1,242.93	3.55	0.38	0.37	0.69
9,486.00	7.70	106.20	9,354.68	-166.89	1,266.90	-1.89	0.52	-0.11	-3.72
9,675.00	8.20	97.50	9,541.87	-172.19	1,292.42	-3.84	0.69	0.26	-4.60
9,863.00	8.70	98.80	9,727.82	-176.11	1,319.77	-4.20	0.28	0.27	0.69
10,052.00	7.10	100.90	9,915.02	-180.51	1,345.36	-5.25	0.86	-0.85	1.11
10,240.00	6.60	94.30	10,101.69	-183.51	1,367.55	-5.37	0.50	-0.27	-3.51
10,428.00	5.80	96.30	10,288.58	-185.37	1,387.76	-4.60	0.44	-0.43	1.06
10,617.00	4.40	99.80	10,476.83	-187.65	1,404.40	-4.71	0.76	-0.74	1.85
10,702.00	3.50	107.30	10,561.63	-188.97	1,410.09	-5.29	1.22	-1.06	8.82
10,756.00	2.90	115.70	10,615.55	-190.06	1,412.89	-6.00	1.41	-1.11	15.56
10,804.00	4.80	30.90	10,663.47	-188.86	1,415.02	-4.54	11.20	3.96	-176.67
10,813.28	5.80	22.09	10,672.71	-188.09	1,415.40	-3.73	13.82	10.72	-94.94
VP - Black Sheep 4/33 B3PA FED COM 2H									
10,851.00	10.50	5.50	10,710.04	-182.90	1,416.44	1.55	13.82	12.47	-43.98
10,898.00	16.70	358.10	10,755.70	-171.88	1,416.63	12.51	13.67	13.19	-15.74
10,945.00	21.70	355.40	10,800.08	-156.46	1,415.71	27.68	10.80	10.64	-5.74
10,992.00	25.60	355.30	10,843.12	-137.67	1,414.18	46.11	8.30	8.30	-0.21
11,038.00	28.20	354.60	10,884.14	-116.94	1,412.34	66.43	5.69	5.65	-1.52
11,085.00	31.30	355.20	10,924.94	-93.72	1,410.27	89.19	6.63	6.60	1.28
11,132.00	35.80	358.10	10,964.10	-67.80	1,408.80	114.71	10.16	9.57	6.17
11,179.00	39.30	357.70	11,001.36	-39.18	1,407.74	142.95	7.46	7.45	-0.85
11,226.00	43.50	357.30	11,036.61	-8.13	1,406.38	173.56	8.95	8.94	-0.85
11,274.00	46.80	358.10	11,070.45	25.87	1,405.02	207.10	6.98	6.88	1.67
11,321.00	49.70	359.50	11,101.75	60.92	1,404.30	241.76	6.56	6.17	2.98
11,389.00	53.20	359.50	11,144.12	114.09	1,403.84	294.43	5.15	5.15	0.00
11,436.00	57.30	359.50	11,170.90	152.70	1,403.50	332.67	8.72	8.72	0.00
11,483.00	62.30	0.20	11,194.54	193.30	1,403.40	372.92	10.72	10.64	1.49
11,530.00	64.50	0.80	11,215.58	235.33	1,403.77	414.64	4.82	4.68	1.28
11,565.20	68.75	1.99	11,229.54	267.62	1,404.56	446.77	12.47	12.08	3.37
LP - Black Sheep 4/33 B3PA FED COM 2H									
11,578.00	70.30	2.40	11,234.02	279.60	1,405.02	458.71	12.47	12.10	3.23
11,625.00	77.50	3.90	11,247.05	324.66	1,407.51	503.71	15.62	15.32	3.19
11,672.00	84.10	4.40	11,254.56	370.91	1,410.87	550.00	14.08	14.04	1.06
11,767.00	87.50	1.30	11,261.51	465.51	1,415.57	644.42	4.84	3.58	-3.26
11,861.00	89.80	0.20	11,263.73	559.47	1,416.80	737.75	2.71	2.45	-1.17
11,956.00	90.10	0.70	11,263.81	654.46	1,417.55	832.05	0.61	0.32	0.53
12,050.00	89.70	0.30	11,263.98	748.46	1,418.37	925.36	0.60	-0.43	-0.43
12,144.00	91.60	0.50	11,262.91	842.45	1,419.02	1,018.65	2.03	2.02	0.21
12,239.00	92.20	0.30	11,259.76	937.39	1,419.68	1,112.88	0.67	0.63	-0.21
12,333.00	89.70	0.10	11,258.20	1,031.37	1,420.01	1,206.12	2.67	-2.66	-0.21



Stryker Directional
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4/33 B3PA FED COM 2H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	WELL @ 3625.00usft (Patterson 560)
Site:	Black Sheep	MD Reference:	WELL @ 3625.00usft (Patterson 560)
Well:	Black Sheep 4/33 B3PA FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

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)	
12,427.00	91.30	359.40	11,257.38	1,125.36	1,419.60	1,299.27	1.86	1.70	-0.74	
12,522.00	93.80	0.30	11,253.16	1,220.26	1,419.35	1,393.34	2.80	2.63	0.95	
12,616.00	93.80	0.00	11,246.93	1,314.05	1,419.60	1,486.38	0.32	0.00	-0.32	
12,711.00	90.00	358.40	11,243.78	1,408.97	1,418.27	1,580.33	4.34	-4.00	-1.68	
12,805.00	88.00	356.70	11,245.42	1,502.86	1,414.26	1,672.92	2.79	-2.13	-1.81	
12,899.00	87.60	358.90	11,249.03	1,596.72	1,410.65	1,765.52	2.38	-0.43	2.34	
12,993.00	94.80	358.80	11,247.06	1,690.62	1,408.76	1,858.39	7.66	7.66	-0.11	
13,087.00	90.80	358.90	11,242.47	1,784.47	1,406.88	1,951.21	4.26	-4.26	0.11	
13,182.00	88.00	359.10	11,243.46	1,879.44	1,405.22	2,045.17	2.95	-2.95	0.21	
13,276.00	89.40	358.80	11,245.59	1,973.39	1,403.50	2,138.12	1.52	1.49	-0.32	
13,370.00	91.90	358.40	11,244.53	2,067.35	1,401.20	2,230.99	2.69	2.66	-0.43	
13,465.00	92.20	358.20	11,241.13	2,162.25	1,398.39	2,324.73	0.38	0.32	-0.21	
13,565.00	95.60	0.10	11,234.33	2,261.99	1,396.91	2,423.44	3.89	3.40	1.90	
13,659.00	92.80	357.70	11,227.44	2,355.70	1,395.10	2,516.14	3.92	-2.98	-2.55	
13,754.00	92.30	355.90	11,223.22	2,450.45	1,389.80	2,609.42	1.96	-0.53	-1.89	
13,848.00	92.30	357.70	11,219.44	2,544.23	1,384.56	2,701.73	1.91	0.00	1.91	
13,942.00	91.40	0.50	11,216.41	2,638.16	1,383.09	2,794.68	3.13	-0.96	2.98	
14,036.00	91.50	1.60	11,214.03	2,732.11	1,384.81	2,888.07	1.17	0.11	1.17	
14,131.00	91.40	2.40	11,211.63	2,827.02	1,388.12	2,982.61	0.85	-0.11	0.84	
14,225.00	88.70	1.10	11,211.54	2,920.97	1,390.99	3,076.14	3.19	-2.87	-1.38	
14,319.00	89.80	1.00	11,212.78	3,014.94	1,392.72	3,169.55	1.18	1.17	-0.11	
14,413.00	89.40	0.10	11,213.43	3,108.93	1,393.62	3,262.87	1.05	-0.43	-0.96	
14,508.00	89.10	358.90	11,214.67	3,203.92	1,392.79	3,356.96	1.30	-0.32	-1.26	
14,602.00	88.70	0.00	11,216.48	3,297.90	1,391.89	3,450.03	1.24	-0.43	1.17	
14,696.00	89.80	1.00	11,217.71	3,391.88	1,392.71	3,543.34	1.58	1.17	1.06	
14,791.00	89.80	0.30	11,218.04	3,486.88	1,393.78	3,637.67	0.74	0.00	-0.74	
14,885.00	90.60	0.70	11,217.71	3,580.87	1,394.60	3,730.99	0.95	0.85	0.43	
14,980.00	89.70	0.70	11,217.46	3,675.86	1,395.77	3,825.33	0.95	-0.95	0.00	
15,074.00	90.10	3.00	11,217.63	3,769.81	1,398.80	3,918.88	2.48	0.43	2.45	
15,168.00	88.90	0.40	11,218.45	3,863.75	1,401.59	4,012.40	3.05	-1.28	-2.77	
15,263.00	88.20	356.70	11,220.85	3,958.67	1,399.19	4,106.22	3.96	-0.74	-3.89	
15,358.00	89.60	358.10	11,222.68	4,053.55	1,394.88	4,199.75	2.08	1.47	1.47	
15,452.00	90.70	359.30	11,222.43	4,147.53	1,392.75	4,292.66	1.73	1.17	1.28	
15,546.00	90.20	359.50	11,221.69	4,241.52	1,391.76	4,385.73	0.57	-0.53	0.21	
15,641.00	90.50	359.80	11,221.11	4,336.51	1,391.18	4,479.86	0.45	0.32	0.32	
15,735.00	91.40	1.00	11,219.55	4,430.50	1,391.84	4,573.14	1.60	0.96	1.28	
15,830.00	91.40	1.10	11,217.23	4,525.45	1,393.58	4,667.53	0.11	0.00	0.11	
15,924.00	92.90	1.70	11,213.71	4,619.35	1,395.87	4,760.94	1.72	1.60	0.64	
16,019.00	92.70	2.00	11,209.07	4,714.19	1,398.94	4,855.38	0.38	-0.21	0.32	
16,113.00	92.50	2.40	11,204.80	4,808.03	1,402.54	4,948.89	0.48	-0.21	0.43	
16,208.00	93.00	1.00	11,200.24	4,902.87	1,405.35	5,043.31	1.56	0.53	-1.47	
16,303.00	92.10	4.10	11,196.02	4,997.67	1,409.58	5,137.86	3.39	-0.95	3.26	
16,387.00	89.80	3.60	11,194.62	5,081.46	1,415.22	5,221.68	2.80	-2.74	-0.60	



Stryker Directional
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4/33 B3PA FED COM 2H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	WELL @ 3625.00usft (Patterson 560)
Site:	Black Sheep	MD Reference:	WELL @ 3625.00usft (Patterson 560)
Well:	Black Sheep 4/33 B3PA FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

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)
16,482.00	88.40	0.70	11,196.12	5,176.37	1,418.78	5,316.25	3.39	-1.47	-3.05
16,576.00	88.30	359.80	11,198.82	5,270.33	1,419.19	5,409.48	0.96	-0.11	-0.96
16,670.00	88.10	0.00	11,201.78	5,364.29	1,419.03	5,502.62	0.30	-0.21	0.21
16,765.00	88.20	359.50	11,204.84	5,459.23	1,418.61	5,596.72	0.54	0.11	-0.53
16,859.00	88.70	359.20	11,207.39	5,553.19	1,417.55	5,689.76	0.62	0.53	-0.32
16,953.00	88.50	358.80	11,209.68	5,647.15	1,415.91	5,782.71	0.48	-0.21	-0.43
17,048.00	88.70	358.50	11,212.00	5,742.10	1,413.67	5,876.58	0.38	0.21	-0.32
17,142.00	88.20	358.20	11,214.55	5,836.02	1,410.96	5,969.37	0.62	-0.53	-0.32
17,236.00	88.70	358.00	11,217.09	5,929.94	1,407.85	6,062.09	0.57	0.53	-0.21
17,330.00	89.80	357.80	11,218.32	6,023.86	1,404.40	6,154.79	1.19	1.17	-0.21
17,425.00	90.90	358.10	11,217.74	6,118.80	1,401.00	6,248.49	1.20	1.16	0.32
17,519.00	90.70	358.60	11,216.43	6,212.75	1,398.30	6,341.30	0.57	-0.21	0.53
17,614.00	88.10	358.60	11,217.42	6,307.71	1,395.98	6,435.17	2.74	-2.74	0.00
17,708.00	90.40	0.50	11,218.65	6,401.69	1,395.24	6,528.26	3.17	2.45	2.02
17,803.00	88.00	0.20	11,219.98	6,496.67	1,395.82	6,622.53	2.55	-2.53	-0.32
17,897.00	86.90	357.60	11,224.16	6,590.55	1,394.02	6,715.39	3.00	-1.17	-2.77
17,944.00	87.60	357.50	11,226.41	6,637.45	1,392.01	6,761.64	1.50	1.49	-0.21
17,991.00	88.60	358.10	11,227.97	6,684.39	1,390.21	6,807.95	2.48	2.13	1.28
18,038.00	89.20	358.00	11,228.88	6,731.35	1,388.61	6,854.31	1.29	1.28	-0.21
18,085.00	88.90	357.40	11,229.65	6,778.31	1,386.72	6,900.63	1.43	-0.64	-1.28
18,132.00	89.90	357.30	11,230.15	6,825.26	1,384.55	6,946.91	2.14	2.13	-0.21
18,180.00	88.60	357.70	11,230.78	6,873.21	1,382.46	6,994.18	2.83	-2.71	0.83
18,227.00	88.80	357.70	11,231.84	6,920.16	1,380.57	7,040.50	0.43	0.43	0.00
18,274.00	88.70	357.70	11,232.87	6,967.11	1,378.69	7,086.81	0.21	-0.21	0.00
18,321.00	88.10	357.00	11,234.18	7,014.04	1,376.51	7,133.07	1.96	-1.28	-1.49
18,369.00	88.70	357.80	11,235.52	7,061.97	1,374.34	7,180.32	2.08	1.25	1.67
18,416.00	88.40	357.90	11,236.71	7,108.92	1,372.57	7,226.65	0.67	-0.64	0.21
18,464.00	88.50	357.90	11,238.01	7,156.87	1,370.82	7,273.97	0.21	0.21	0.00
18,511.00	88.50	358.10	11,239.24	7,203.83	1,369.18	7,320.32	0.43	0.00	0.43
18,558.00	88.40	357.70	11,240.51	7,250.78	1,367.46	7,366.66	0.88	-0.21	-0.85
18,605.00	88.80	358.10	11,241.66	7,297.73	1,365.73	7,412.99	1.20	0.85	0.85
18,652.00	88.80	358.10	11,242.64	7,344.70	1,364.18	7,459.36	0.00	0.00	0.00
18,699.00	89.20	358.20	11,243.46	7,391.66	1,362.66	7,505.74	0.88	0.85	0.21
18,747.00	88.80	357.40	11,244.30	7,439.62	1,360.82	7,553.06	1.86	-0.83	-1.67
18,794.00	88.80	358.00	11,245.28	7,486.57	1,358.93	7,599.38	1.28	0.00	1.28
18,841.00	88.50	357.90	11,246.39	7,533.53	1,357.25	7,645.72	0.67	-0.64	-0.21
18,888.00	88.70	358.00	11,247.54	7,580.48	1,355.57	7,692.07	0.48	0.43	0.21
18,936.00	88.90	357.90	11,248.54	7,628.44	1,353.85	7,739.40	0.47	0.42	-0.21
18,983.00	88.40	357.70	11,249.65	7,675.40	1,352.05	7,785.73	1.15	-1.06	-0.43
19,030.00	88.50	357.70	11,250.92	7,722.34	1,350.16	7,832.04	0.21	0.21	0.00
19,077.00	88.70	358.10	11,252.07	7,769.29	1,348.44	7,878.38	0.95	0.43	0.85
19,124.00	88.90	357.50	11,253.06	7,816.25	1,346.64	7,924.70	1.35	0.43	-1.28
19,171.00	88.60	356.10	11,254.08	7,863.16	1,344.01	7,970.89	3.05	-0.64	-2.98



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4/33 B3PA FED COM 2H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	WELL @ 3625.00usft (Patterson 560)
Site:	Black Sheep	MD Reference:	WELL @ 3625.00usft (Patterson 560)
Well:	Black Sheep 4/33 B3PA FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

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)
19,218.00	89.10	358.00	11,255.02	7,910.09	1,341.60	8,017.11	4.18	1.06	4.04
19,265.00	89.50	359.10	11,255.60	7,957.07	1,340.41	8,063.54	2.49	0.85	2.34
19,312.00	89.20	359.60	11,256.13	8,004.06	1,339.87	8,110.07	1.24	-0.64	1.06
19,359.00	89.10	359.80	11,256.83	8,051.06	1,339.63	8,156.64	0.48	-0.21	0.43
19,407.00	89.10	0.10	11,257.58	8,099.05	1,339.59	8,204.23	0.62	0.00	0.63
19,454.00	89.20	0.00	11,258.28	8,146.05	1,339.63	8,250.84	0.30	0.21	-0.21
19,502.00	89.10	0.30	11,258.99	8,194.04	1,339.75	8,298.44	0.66	-0.21	0.63
19,549.00	88.70	0.30	11,259.89	8,241.03	1,340.00	8,345.07	0.85	-0.85	0.00
19,596.00	88.80	359.90	11,260.92	8,288.02	1,340.08	8,391.68	0.88	0.21	-0.85
19,643.00	88.40	359.80	11,262.07	8,335.01	1,339.96	8,438.26	0.88	-0.85	-0.21
19,722.00	87.90	0.90	11,264.62	8,413.96	1,340.44	8,516.61	1.53	-0.63	1.39
19,769.00	87.60	0.80	11,266.46	8,460.92	1,341.14	8,563.27	0.67	-0.64	-0.21
19,817.00	87.60	1.20	11,268.47	8,508.87	1,341.97	8,610.92	0.83	0.00	0.83
19,864.00	87.50	1.30	11,270.48	8,555.82	1,343.00	8,657.61	0.30	-0.21	0.21
19,911.00	87.10	1.10	11,272.70	8,602.75	1,343.98	8,704.28	0.95	-0.85	-0.43
19,958.00	88.30	2.30	11,274.58	8,649.69	1,345.37	8,751.01	3.61	2.55	2.55
20,005.00	88.90	3.50	11,275.73	8,696.62	1,347.75	8,797.85	2.85	1.28	2.55
20,052.00	89.10	6.20	11,276.55	8,743.44	1,351.72	8,844.79	5.76	0.43	5.74
20,100.00	89.20	5.40	11,277.26	8,791.19	1,356.57	8,892.76	1.68	0.21	-1.67
20,147.00	89.10	4.60	11,277.96	8,838.00	1,360.67	8,939.72	1.72	-0.21	-1.70
20,194.00	89.10	4.60	11,278.70	8,884.85	1,364.44	8,986.65	0.00	0.00	0.00
20,241.00	89.10	4.30	11,279.44	8,931.70	1,368.09	9,033.58	0.64	0.00	-0.64
20,289.00	89.10	4.60	11,280.19	8,979.55	1,371.81	9,081.51	0.62	0.00	0.63
20,336.00	88.90	4.40	11,281.01	9,026.40	1,375.50	9,128.44	0.60	-0.43	-0.43
20,383.00	89.00	4.20	11,281.87	9,073.26	1,379.02	9,175.37	0.48	0.21	-0.43
20,430.00	89.50	0.90	11,282.49	9,120.20	1,381.11	9,222.19	7.10	1.06	-7.02
20,478.00	89.20	359.20	11,283.03	9,168.19	1,381.15	9,269.79	3.60	-0.63	-3.54
20,525.00	88.70	359.00	11,283.89	9,215.18	1,380.41	9,316.28	1.15	-1.06	-0.43
20,572.00	88.70	358.90	11,284.96	9,262.16	1,379.55	9,362.76	0.21	0.00	-0.21
20,619.00	88.20	358.90	11,286.23	9,309.13	1,378.65	9,409.22	1.06	-1.06	0.00
20,667.00	88.40	359.80	11,287.66	9,357.11	1,378.11	9,456.73	1.92	0.42	1.88
20,714.00	88.50	359.50	11,288.93	9,404.09	1,377.82	9,503.28	0.67	0.21	-0.64
20,762.00	88.40	359.50	11,290.23	9,452.07	1,377.40	9,550.80	0.21	-0.21	0.00
20,809.00	88.30	359.20	11,291.58	9,499.05	1,376.87	9,597.32	0.67	-0.21	-0.64
20,856.00	88.30	358.80	11,292.97	9,546.02	1,376.05	9,643.79	0.85	0.00	-0.85
20,903.00	88.30	359.00	11,294.37	9,592.99	1,375.15	9,690.25	0.43	0.00	0.43
20,950.00	88.20	358.60	11,295.80	9,639.96	1,374.16	9,736.70	0.88	-0.21	-0.85
20,997.00	88.20	358.50	11,297.28	9,686.92	1,372.97	9,783.11	0.21	0.00	-0.21
21,045.00	88.20	357.90	11,298.79	9,734.87	1,371.47	9,830.47	1.25	0.00	-1.25
21,092.00	88.10	357.00	11,300.30	9,781.80	1,369.38	9,876.73	1.93	-0.21	-1.91
21,139.00	87.70	356.00	11,302.03	9,828.68	1,366.51	9,922.85	2.29	-0.85	-2.13
21,186.00	88.40	355.80	11,303.63	9,875.53	1,363.15	9,968.88	1.55	1.49	-0.43
21,234.00	89.60	356.80	11,304.46	9,923.43	1,360.05	10,015.97	3.25	2.50	2.08
21,281.00	89.60	356.50	11,304.79	9,970.34	1,357.31	10,062.14	0.64	0.00	-0.64



Stryker Directional
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4/33 B3PA FED COM 2H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	WELL @ 3625.00usft (Patterson 560)
Site:	Black Sheep	MD Reference:	WELL @ 3625.00usft (Patterson 560)
Well:	Black Sheep 4/33 B3PA FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

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)
21,328.00	89.60	356.20	11,305.12	10,017.25	1,354.32	10,108.26	0.64	0.00	-0.64
21,375.00	89.50	355.40	11,305.49	10,064.12	1,350.87	10,154.30	1.72	-0.21	-1.70
21,422.00	88.80	354.70	11,306.19	10,110.94	1,346.82	10,200.20	2.11	-1.49	-1.49
21,469.00	88.70	354.20	11,307.21	10,157.71	1,342.27	10,245.99	1.08	-0.21	-1.06
21,515.00	88.70	355.30	11,308.26	10,203.50	1,338.07	10,290.86	2.39	0.00	2.39
21,593.00	89.00	353.60	11,309.82	10,281.12	1,330.52	10,366.85	2.21	0.38	-2.18
21,617.06	89.00	353.60	11,310.24	10,305.02	1,327.84	10,390.21	0.00	0.00	0.00
PBHL - Black Sheep 4/33 B3PA FED COM 2H									
21,630.00	89.00	353.60	11,310.47	10,317.88	1,326.40	10,402.77	0.00	0.00	0.00
Projection to TD - 21630.00' MD									

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,743.00	1,742.57	-27.76	6.19	Final Invictus MWD - 1743.00' MD
1,743.00	1,742.57	-27.76	6.19	Tie-in to Invictus - 1743.00' MD
21,630.00	11,310.47	10,317.88	1,326.40	Projection to TD - 21630.00' MD

Checked By: _____	Approved By: _____	Date: _____
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Intent As Drilled

API # 30-025-45601		
Operator Name: Mewbourne Oil Co.	Property Name: Black Sheep 4/33 B3PA Fed Com	Well Number 2H

Kick Off Point (KOP)

UL P	Section 4	Township 22S	Range 34E	Lot	Feet 19	From N/S S	Feet 666	From E/W E	County Lea
Latitude 32.4135301					Longitude -103.4684940				NAD 83

First Take Point (FTP)

UL P	Section 4	Township 22S	Range 34E	Lot	Feet 515	From N/S S	Feet 670	From E/W E	County Lea
Latitude 32.4148921					Longitude -103.4685021				NAD 83

Last Take Point (LTP)

UL A	Section 33	Township 21S	Range 34E	Lot	Feet 145	From N/S N	Feet 667	From E/W E	County Lea
Latitude 32.4422583					Longitude -103.4684687				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? Y

Is this well an infill well? N

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



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

Well Completion Print Report

03/04/2021

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 4 22S 34E	Well Name BLACK SHEEP 4 B2OB FED COM	Well Number 2H	US Well Number 3002545601
Well Type OIL WELL	County LEA	State NM	Lease Number(s) NMNM0033312A, NMNM033312A, NMNM033312A
Allottee/Tribe Name	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
	Well Pad Name null	Well Pad Number null	ID 10400032479

Section 1 - General

Well Completion Report Id: 45869 **Submission Date:** N/A until DB Work

BLM Office: Carlsbad Field Office

Federal/Indian: FEDERAL **Lease Number:** NMNM0033312A **Lease Acres:** 160

Agreement in place?: NO **Federal or Indian Agreement:**

Agreement Number: **Agreement Name:**

Keep this Well Completion Report confidential?: YES

APD Operator: MEWBOURNE OIL
COMPANY

Section 2 - Well Information

Field/Pool or Exploratory: Field/Pool **Pool Name:** BONE SPRING **Field Name:** Grama Ridge

Well Type: OIL WELL

Spud Date: 09-28-2020

Date Total Measured Depth Reached: 10-26-2020

Drill & Abandon or Ready To Produce: READY TO PRODUCE

Well Class: HORIZONTAL

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
UNKNOWN			3597	27	27	NONE	

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 4 22S 34E	Well Name BLACK SHEEP 4 B2OB FED COM	Well Number 2H	US Well Number 3002545601
Well Type OIL WELL	County LEA	State NM	Lease Number(s) NMNM0033312A, NMNM033312A, NMNM033312A
Allottee/Tribe Name	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
	Well Pad Name null	Well Pad Number null	ID 10400032479

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
RUSTLER	ANHYDRITE, DOLOMITE		1893	1704	1704	USEABLE WATER	
TOP SALT	SALT		1413	2184	2184	NONE	
BOTTOM SALT	SALT		-157	3754	3754	NONE	
YATES	SANDSTONE		-402	3999	3999	NATURAL GAS, OIL	
CAPITAN REEF	DOLOMITE, LIMESTONE		-737	4334	4334	USEABLE WATER	
LAMAR	LIMESTONE		-1877	5474	5474	NATURAL GAS, OIL	
CHERRY CANYON	SANDSTONE		-2297	5894	5894	NATURAL GAS, OIL	
MANZANITA			-2447	6044	6044	NATURAL GAS, OIL	
BRUSHY CANYON	SANDSTONE		-3327	6924	6924	NATURAL GAS, OIL	
BONE SPRING LIME	LIMESTONE, SHALE		-4842	8439	8439	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE		-5952	9549	9554	NATURAL GAS, OIL	
BONE SPRING 2ND	SANDSTONE		-6476	10073	10087	NATURAL GAS, OIL	

Completion and Completed Intervals

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 4 22S 34E	Well Name BLACK SHEEP 4 B2OB FED COM	Well Number 2H	US Well Number 3002545601
Well Type OIL WELL	County LEA	State NM	Lease Number(s) NMNM0033312A, NMNM033312A, NMNM033312A
Allottee/Tribe Name	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
	Well Pad Name null	Well Pad Number null	ID 10400032479

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	X1	1	NMNM033312A	NMNM033312A	NEW		DRG	01-14-2021	01-14-2021	BONE SPRING	11605	21574	Y	.5	1800	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	X1	1	Y	FRAC	479924		20,156,808 gals slickwater, carrying 19,304,400 # local 100 mesh sand.

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	X1	1		.7729	FLows FROM WELL		SOLD	

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 4 22S 34E	Well Name BLACK SHEEP 4 B2OB FED COM	Well Number 2H	US Well Number 3002545601
Well Type OIL WELL	County LEA	State NM	Lease Number(s) NMNM0033312A, NMNM033312A, NMNM033312A
Allottee/Tribe Name	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
	Well Pad Name null	Well Pad Number null	ID 10400032479

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	X1	1	01/18/2021	24	944	2330	2350	2468	30/64	0		3424

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lo/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4140838	-103.473066	3597	FEDERAL	NMNM033312A			222	FSL	2078	FEL	22S	34E	4	SWSE
KOP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4135064	-103.4727505	-6279	FEDERAL	NMNM033312A			10	FSL	1980	FEL	22S	34E	4	SWSE
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4137456	-103.4727499	-6554	FEDERAL	NMNM033312A			100	FSL	1980	FEL	22S	34E	4	SWSE
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4207354	-103.4727325	-6766	FEDERAL	NMNM058678			2642	FSL	1980	FEL	22S	34E	4	SWNE

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 4 22S 34E	Well Name BLACK SHEEP 4 B2OB FED COM	Well Number 2H	US Well Number 3002545601
Well Type OIL WELL	County LEA	State NM	Lease Number(s) NMNM0033312A, NMNM033312A, NMNM033312A
Allottee/Tribe Name	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
	Well Pad Name null	Well Pad Number null	ID 10400032479

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4278324	103.4727149	-6777	FEDERAL	NMNM058678				100	FNL	1980	FEL	22S	34E	4	NWNE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4278324	103.4727149	-6777	FEDERAL	NMNM058678				100	FNL	1980	FEL	22S	34E	4	NWNE

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	INTERMEDIATE	12.25	0	458	9.625	40	HCL-80		LT&C		
00	SURFACE	12.25	0	1808	13.375	54.5	J-55		ST&C		

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 4 22S 34E	Well Name BLACK SHEEP 4 B2OB FED COM	Well Number 2H	US Well Number 3002545601
Well Type OIL WELL	County LEA	State NM	Lease Number(s) NMNM0033312A, NMNM033312A, NMNM033312A
Allottee/Tribe Name	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
	Well Pad Name null	Well Pad Number null	ID 10400032479

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	INTERMEDIATE	12.25	458	3170	9.625	36	J-55		LT&C		
00	INTERMEDIATE	12.25	3170	5605	9.625	40	J-55		LT&C		
00	PRODUCTION	8.75	0	11348	7.0	29	HCP-110		LT&C		
00	LINER	6.125	10724	21630	4.5	13.5	HCP-110		OTHER	BPN	

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume (bbls)
00	INTERMEDIATE		Class C	1475	2.12	0	Class C	200	1.34	1587	604.6
00	SURFACE		Class C	945	2.12	0	Class C	200	1.34	4762	404.5
00	INTERMEDIATE		Class C	350	2.12	4284	Class H	400	1.18	8947	216.2
00	INTERMEDIATE		Class C	230	2.97	9882				925	121.7

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 4 22S 34E	Well Name BLACK SHEEP 4 B2OB FED COM	Well Number 2H	US Well Number 3002545601
Well Type OIL WELL	County LEA	State NM	Lease Number(s) NMNM0033312A, NMNM033312A, NMNM033312A
Allottee/Tribe Name	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
	Well Pad Name null	Well Pad Number null	ID 10400032479

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00									

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
00	NO	NO	NO	NO		NO

Mewbourne Oil Company

Well Name: Black Sheep 4/33 B3PA Fed Com #2H

Updated by: Andy Taylor

Spud Date: 9/28/2020

Date Updated: 3/5/2021

Surface

17 1/2" x 13 3/4" 54.5# J55
Set @ 1808'
Cmt w/ 1475 sx
Circ. 390 sx to pit

Intermediate

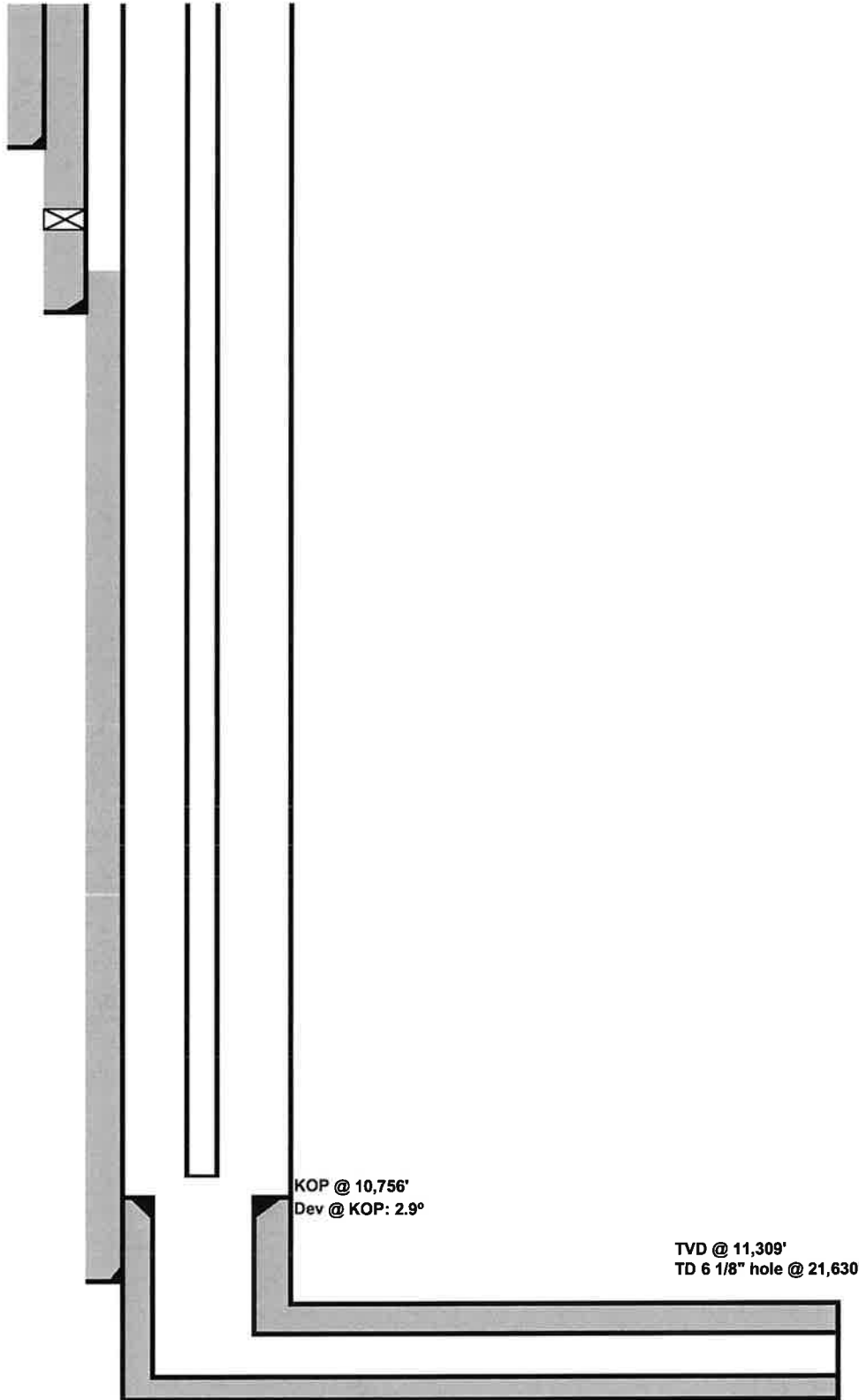
12 1/4" x 9 1/2" 36# J55, 40# J55, N80, HCL80
Set @ 5623'
Cmt Stg 2 w/ 925 sx
TOC @ 1230' (Temp)
ECP/DV Tool @ 3717'
Cmt Stg 1 w/ 575 sx
Circ. 200 sx off DV tool

Production

8 3/4" x 7" 29# HCP110
Set @ 11,348'
Cmt w/ 975 sx
Circ. 18 sx to pit

Liner

6 1/8" x 4 1/2" 13.5# HCP110
Set @ 10,724' - 21,630'
Cmt w/ 875 sx



KOP @ 10,756'
Dev @ KOP: 2.9°

TVD @ 11,309'
TD 6 1/8" hole @ 21,630'

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

ACKNOWLEDGMENTS

Action 67027

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 67027
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
 1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS
 Action 67027

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 67027
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/13/2022