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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

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-104
Revised August 1, 2011

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 / 06/17/2021
⁴ API Number 30 - 025-46395	⁵ Pool Name Grama Ridge; Bone Spring	⁶ Pool Code 28430
⁷ Property Code 330831	⁸ Property Name Black Sheep 4/33 B3MD Fed Com	⁹ Well Number 1H

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
M	4	22S	34E		205	South	450	West	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
D	33	21S	34E		90	North	1899	West	Lea
¹² Lse Code F	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 06/17/2021	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

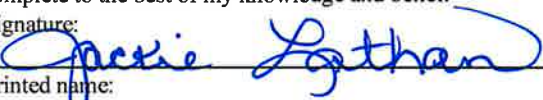
III. Oil and Gas Transporters

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 04/12/2021	²² Ready Date 06/17/2021	²³ TD 21660'	²⁴ PBSD 21613'	²⁵ Perforations 11490' - 21598'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ¾"	1823'	1200		
12 ¼"	9 ¾"	5605'	2200		
8 ¾"	7"	10745'	700		
6 ½"	4 ½" Liner	11129' – 21660'	800		

V. Well Test Data

³¹ Date New Oil 06/17/2021	³² Gas Delivery Date 06/17/2021	³³ Test Date 06/26/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure NA	³⁶ Csg. Pressure 3465
³⁷ Choke Size 24/64"	³⁸ Oil 1284	³⁹ Water 3119	⁴⁰ Gas 2669		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: 			OIL CONSERVATION DIVISION		
Printed name: Jackie Lathan			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Regulatory			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address: jlathan@mewbourne.com			Approval Date: <i>1/24/2022</i>		
Date: 09/28/2021		Phone: 575-393-5905			

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 30-025-46395		² Pool Code 28430		³ Pool Name Grama Ridge; Bone Spring					
⁴ Property Code 330831		⁵ Property Name BLACK SHEEP 4/33 B3MD FED COM						⁶ Well Number 1H	
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3608'	
¹⁰ Surface Location									
UL or lot no. M	Section 4	Township 22S	Range 34E	Lot Idn	Feet from the 205	North/South line SOUTH	Feet From the 450	East/West line WEST	County LEA
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. D	Section 33	Township 21S	Range 34E	Lot Idn	Feet from the 90	North/South line NORTH	Feet from the 1899	East/West line WEST	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.

⑤ S 89°16'55" W 2641.31' ⑥ S 89°16'16" W 2640.08' ⑦ 100' B.H. 450' ⑧ N 00°29'10" W 2641.07' ⑨ N 00°29'44" W 2641.15' ⑩ N 00°29'27" W 2641.29' ⑪ N 00°29'31" W 2643.44' ⑫ N 00°29'47" E 2641.54' ⑬ S 00°21'18" E 2641.54' ⑭ S 00°21'18" E 2641.54' ⑮ S 00°21'18" E 2641.54' ⑯ S 00°21'18" E 2641.54' ⑰ S 00°21'18" E 2641.54' ⑱ S 00°21'18" E 2641.54' ⑲ S 00°21'18" E 2641.54' ⑳ S 00°21'18" E 2641.54' ㉑ S 00°21'18" E 2641.54' ㉒ S 00°21'18" E 2641.54' ㉓ S 00°21'18" E 2641.54' ㉔ S 00°21'18" E 2641.54' ㉕ S 00°21'18" E 2641.54' ㉖ S 00°21'18" E 2641.54' ㉗ S 00°21'18" E 2641.54' ㉘ S 00°21'18" E 2641.54' ㉙ S 00°21'18" E 2641.54' ㉚ S 00°21'18" E 2641.54' ㉛ S 00°21'18" E 2641.54' ㉜ S 00°21'18" E 2641.54' ㉝ S 00°21'18" E 2641.54' ㉞ S 00°21'18" E 2641.54' ㉟ S 00°21'18" E 2641.54' ㊱ S 00°21'18" E 2641.54' ㊲ S 00°21'18" E 2641.54' ㊳ S 00°21'18" E 2641.54' ㊴ S 00°21'18" E 2641.54' ㊵ S 00°21'18" E 2641.54' ㊶ S 00°21'18" E 2641.54' ㊷ S 00°21'18" E 2641.54' ㊸ S 00°21'18" E 2641.54' ㊹ S 00°21'18" E 2641.54' ㊺ S 00°21'18" E 2641.54' ㊻ S 00°21'18" E 2641.54' ㊼ S 00°21'18" E 2641.54' ㊽ S 00°21'18" E 2641.54' ㊾ S 00°21'18" E 2641.54' ㊿ S 00°21'18" E 2641.54'		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. <i>Jackie Lathan</i> 09/28/2021 Signature Date Jackie Lathan Printed Name jlathan@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. 09-21-2018 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number REV: BH MOVE/NAME CHANGE 2/17/21 Job No: LS18091087R
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Plan #2



Project: Lea Co., NM (NAD 83)
 Site: Black Sheep Pad
 Well: Black Sheep 4-33 B3MD Fed Com #1H
 Wellbore: OH
 Design: Plan #2
 Lat: 32.414034
 Long: -103.482032
 GL: 3608.00
 KR: KR=28' @ 3636.00usft (Patterson 559)

WELL DETAILS: Black Sheep 4-33 B3MD Fed Com #1H

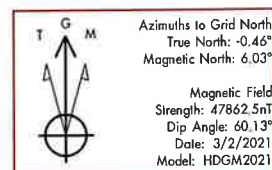
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	515403.00	804042.30	32.414034	-103.482032

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Black Sheep 4-33 B3MD FC #1H BB	10883.17	-194.90	0.70	515208.10	804043.00	Point
Black Sheep 4-33 B3MD FC #1H PBHL	11666.00	10293.80	-61.70	525696.80	803980.60	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	0.00	
5847.77	2.22	179.79	5847.74	-2.86	0.01	1.50	179.79	-2.86	Build 1.5"/100'
10739.13	2.22	179.79	10735.43	-192.04	0.69	0.00	0.00	-192.04	Drop 1.5"/100'
10886.90	0.00	0.00	10883.17	-194.90	0.70	1.50	180.00	-194.90	Build 10"/100'
11774.79	88.79	359.66	11456.00	365.93	-2.64	10.00	359.66	365.94	9930' Hold
21705.05	88.79	359.66	11666.00	10293.80	-61.70	0.00	0.00	10293.98	TD at 21705.05

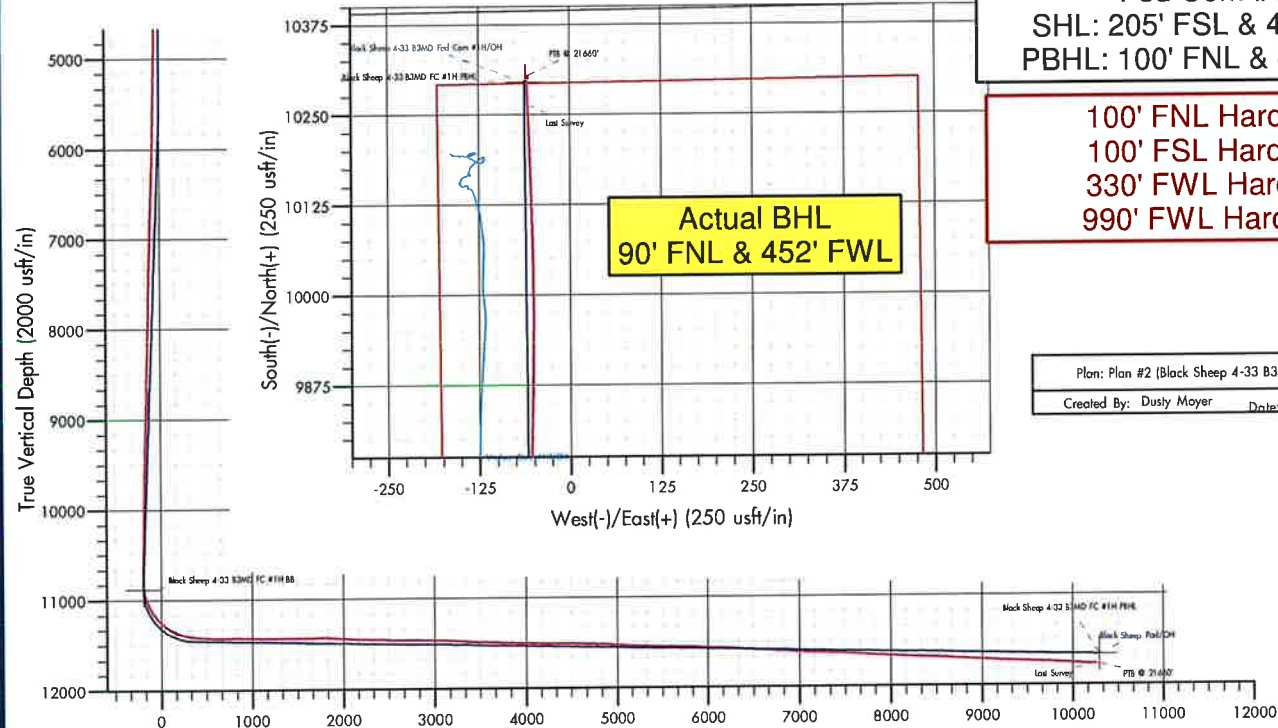


Black Sheep 4-33 B3MD
 Fed Com #1H
 SHL: 205' FSL & 450' FWL
 PBHL: 100' FNL & 450' FWL

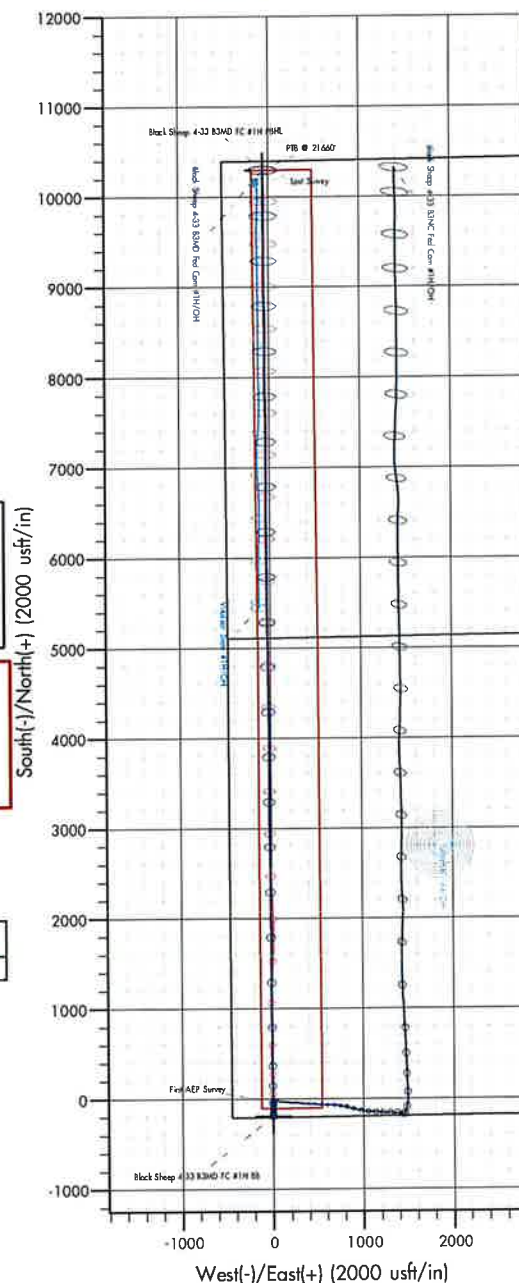
100' FNL Hard Line
 100' FSL Hard Line
 330' FWL Hard Line
 990' FWL Hard Line

Plan: Plan #2 (Black Sheep 4-33 B3MD Fed Com #1H/OH)

Created By: Dusty Moyer Date: 5:33 May 06 2021



Vertical Section at 359.66° (2000 usft/in)





Mewbourne Oil Company

Lea Co., NM (NAD 83)

Black Sheep Pad

Black Sheep 4-33 B3MD Fed Com #1H

OH

Design: OH

Standard Survey Report

06 May, 2021





Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4-33 B3MD Fed Com #1H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Site:	Black Sheep Pad	MD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Well:	Black Sheep 4-33 B3MD Fed Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	Lea Co., NM (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	Black Sheep Pad				
Site Position:		Northing:	515,443.30 usft	Latitude:	32.414084
From:	Map	Easting:	806,808.90 usft	Longitude:	-103.473066
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	Black Sheep 4-33 B3MD Fed Com #1H				
Well Position	+N/-S	0.00 usft	Northing:	515,403.00 usft	Latitude: 32.414034
	+E/-W	0.00 usft	Easting:	804,042.30 usft	Longitude: -103.482032
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level: 3,608.00 usft
Grid Convergence:		0.46 °			

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021	3/2/2021	6.48	60.13	47,862.50000000

Design	OH				
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	359.66	

Survey Program	Date	5/6/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
193.00	1,811.00	Surface (OH)	MWD	OWSG MWD - Standard	
1,867.00	21,660.00	MWD Survey (OH)	MWD + HDGM	MWD + HDGM - Standard	

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
193.00	0.60	137.10	193.00	-0.74	0.69	-0.74	0.31	0.31	0.00	
381.00	0.80	160.10	380.98	-2.70	1.80	-2.71	0.18	0.11	12.23	
566.00	1.00	146.10	565.96	-5.25	3.14	-5.27	0.16	0.11	-7.57	
752.00	1.20	158.10	751.93	-8.40	4.78	-8.43	0.16	0.11	6.45	
942.00	1.70	145.10	941.86	-12.56	7.13	-12.60	0.31	0.26	-6.84	
1,130.00	1.80	156.10	1,129.78	-17.55	9.92	-17.61	0.19	0.05	5.85	
1,319.00	2.00	150.10	1,318.67	-23.12	12.77	-23.20	0.15	0.11	-3.17	
1,507.00	1.70	151.10	1,506.58	-28.41	15.75	-28.50	0.16	-0.16	0.53	



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4-33 B3MD Fed Com #1H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Site:	Black Sheep Pad	MD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Well:	Black Sheep 4-33 B3MD Fed Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
1,693.00	1.60	143.10	1,692.50	-32.90	18.64	-33.01	0.13	-0.05	-4.30
1,811.00	2.40	120.10	1,810.43	-35.46	21.77	-35.59	0.95	0.68	-19.49
1,867.00	2.71	134.63	1,866.37	-36.97	23.73	-37.12	1.28	0.55	25.94
First AEP Survey									
1,929.00	2.95	126.15	1,928.30	-38.94	26.06	-39.10	0.78	0.39	-13.68
2,022.00	2.50	114.62	2,021.19	-41.20	29.83	-41.38	0.76	-0.48	-12.40
2,116.00	1.77	98.09	2,115.13	-42.26	33.13	-42.46	1.01	-0.78	-17.59
2,210.00	1.03	36.17	2,209.10	-41.78	35.07	-41.99	1.67	-0.79	-65.87
2,304.00	1.50	348.60	2,303.08	-39.89	35.33	-40.11	1.18	0.50	-50.61
2,399.00	2.17	341.60	2,398.03	-36.97	34.51	-37.17	0.74	0.71	-7.37
2,493.00	2.17	325.28	2,491.97	-33.82	32.94	-34.01	0.66	0.00	-17.36
2,587.00	2.22	324.21	2,585.90	-30.88	30.86	-31.06	0.07	0.05	-1.14
2,681.00	2.32	321.54	2,679.82	-27.91	28.61	-28.08	0.15	0.11	-2.84
2,773.00	2.14	312.60	2,771.75	-25.29	26.19	-25.45	0.43	-0.20	-9.72
2,867.00	2.14	309.11	2,865.69	-23.00	23.53	-23.14	0.14	0.00	-3.71
2,962.00	2.16	296.88	2,960.62	-21.07	20.56	-21.19	0.48	0.02	-12.87
3,057.00	2.00	275.95	3,055.56	-20.09	17.32	-20.19	0.81	-0.17	-22.03
3,151.00	1.52	244.97	3,149.52	-20.44	14.55	-20.53	1.11	-0.51	-32.96
3,244.00	1.85	212.76	3,242.48	-22.23	12.62	-22.30	1.06	0.35	-34.63
3,339.00	1.35	197.50	3,337.44	-24.58	11.46	-24.65	0.69	-0.53	-16.06
3,431.00	1.07	182.69	3,429.42	-26.48	11.09	-26.54	0.45	-0.30	-16.10
3,525.00	1.18	174.60	3,523.41	-28.32	11.14	-28.38	0.21	0.12	-8.61
3,619.00	1.37	195.15	3,617.38	-30.36	10.94	-30.43	0.52	0.20	21.86
3,712.00	1.56	209.19	3,710.35	-32.54	10.03	-32.60	0.44	0.20	15.10
3,805.00	1.71	223.16	3,803.32	-34.66	8.46	-34.71	0.46	0.16	15.02
3,899.00	1.40	243.40	3,897.28	-36.20	6.48	-36.24	0.67	-0.33	21.53
3,992.00	0.77	223.15	3,990.26	-37.16	5.04	-37.19	0.78	-0.68	-21.77
4,084.00	0.44	212.68	4,082.26	-37.91	4.42	-37.94	0.38	-0.36	-11.38
4,178.00	0.78	202.66	4,176.25	-38.80	3.98	-38.83	0.38	0.36	-10.66
4,272.00	0.80	201.15	4,270.24	-40.01	3.50	-40.03	0.03	0.02	-1.61
4,366.00	0.90	172.74	4,364.23	-41.35	3.35	-41.37	0.46	0.11	-30.22
4,459.00	0.82	193.41	4,457.22	-42.72	3.29	-42.74	0.34	-0.09	22.23
4,552.00	0.73	200.96	4,550.22	-43.92	2.93	-43.94	0.15	-0.10	8.12
4,645.00	1.22	217.62	4,643.20	-45.26	2.11	-45.27	0.60	0.53	17.91
4,738.00	1.47	222.70	4,736.18	-46.92	0.70	-46.93	0.30	0.27	5.46
4,831.00	1.24	226.53	4,829.15	-48.49	-0.84	-48.48	0.27	-0.25	4.12
4,924.00	1.09	248.17	4,922.13	-49.51	-2.39	-49.50	0.50	-0.16	23.27
5,017.00	1.36	222.25	5,015.11	-50.66	-3.96	-50.63	0.66	0.29	-27.87
5,109.00	1.77	211.86	5,107.08	-52.67	-5.44	-52.64	0.54	0.45	-11.29
5,201.00	1.79	205.75	5,199.03	-55.17	-6.82	-55.13	0.21	0.02	-6.64
5,294.00	1.19	201.61	5,292.00	-57.38	-7.80	-57.33	0.66	-0.65	-4.45
5,388.00	0.94	206.72	5,385.98	-58.98	-8.51	-58.92	0.28	-0.27	5.44
5,483.00	0.90	190.56	5,480.97	-60.41	-9.00	-60.35	0.28	-0.04	-17.01



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4-33 B3MD Fed Com #1H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Site:	Black Sheep Pad	MD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Well:	Black Sheep 4-33 B3MD Fed Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)	
5,546.00	1.11	200.20	5,543.96	-61.46	-9.30	-61.41	0.43	0.33	15.30	
5,652.00	1.56	198.27	5,649.93	-63.80	-10.10	-63.74	0.43	0.42	-1.82	
5,745.00	1.12	198.39	5,742.91	-65.86	-10.79	-65.80	0.47	-0.47	0.13	
5,839.00	1.47	208.08	5,836.88	-67.80	-11.65	-67.73	0.44	0.37	10.31	
5,933.00	1.82	175.04	5,930.85	-70.35	-12.08	-70.28	1.06	0.37	-35.15	
6,027.00	1.86	176.10	6,024.80	-73.36	-11.85	-73.29	0.06	0.04	1.13	
6,120.00	1.96	166.51	6,117.75	-76.41	-11.38	-76.34	0.36	0.11	-10.31	
6,214.00	1.99	172.83	6,211.69	-79.59	-10.80	-79.53	0.23	0.03	6.72	
6,307.00	1.97	168.65	6,304.64	-82.76	-10.28	-82.70	0.16	-0.02	-4.49	
6,400.00	2.04	164.60	6,397.58	-85.93	-9.53	-85.87	0.17	0.08	-4.35	
6,493.00	1.91	170.66	6,490.52	-89.05	-8.84	-89.00	0.26	-0.14	6.52	
6,586.00	2.11	167.45	6,583.47	-92.25	-8.21	-92.20	0.25	0.22	-3.45	
6,680.00	1.67	167.32	6,677.42	-95.28	-7.54	-95.23	0.47	-0.47	-0.14	
6,773.00	1.81	160.23	6,770.37	-97.98	-6.74	-97.94	0.28	0.15	-7.62	
6,866.00	1.46	151.15	6,863.33	-100.40	-5.67	-100.37	0.47	-0.38	-9.76	
6,960.00	1.43	161.10	6,957.31	-102.56	-4.72	-102.53	0.27	-0.03	10.59	
7,054.00	1.52	160.09	7,051.27	-104.84	-3.91	-104.82	0.10	0.10	-1.07	
7,148.00	2.03	152.87	7,145.23	-107.50	-2.73	-107.48	0.59	0.54	-7.68	
7,242.00	2.07	157.97	7,239.17	-110.55	-1.33	-110.54	0.20	0.04	5.43	
7,335.00	2.26	162.12	7,332.10	-113.85	-0.14	-113.85	0.26	0.20	4.46	
7,428.00	1.48	187.82	7,425.05	-116.79	0.26	-116.79	1.21	-0.84	27.63	
7,523.00	1.68	183.24	7,520.02	-119.39	0.01	-119.39	0.25	0.21	-4.82	
7,618.00	1.25	183.53	7,614.99	-121.82	-0.13	-121.82	0.45	-0.45	0.31	
7,711.00	1.41	194.87	7,707.96	-123.94	-0.48	-123.93	0.33	0.17	12.19	
7,805.00	1.78	188.81	7,801.92	-126.50	-1.00	-126.49	0.43	0.39	-6.45	
7,899.00	1.54	182.08	7,895.89	-129.20	-1.27	-129.19	0.33	-0.26	-7.16	
7,993.00	1.43	189.39	7,989.85	-131.62	-1.51	-131.61	0.23	-0.12	7.78	
8,086.00	1.59	195.56	8,082.82	-134.01	-2.05	-133.99	0.25	0.17	6.63	
8,180.00	1.23	191.52	8,176.79	-136.25	-2.60	-136.24	0.40	-0.38	-4.30	
8,273.00	1.55	195.54	8,269.77	-138.44	-3.13	-138.42	0.36	0.34	4.32	
8,366.00	1.17	200.67	8,362.74	-140.54	-3.81	-140.52	0.43	-0.41	5.52	
8,459.00	1.41	198.19	8,455.72	-142.52	-4.50	-142.49	0.26	0.26	-2.67	
8,552.00	1.32	172.41	8,548.69	-144.67	-4.71	-144.64	0.66	-0.10	-27.72	
8,645.00	1.24	152.77	8,641.67	-146.63	-4.11	-146.60	0.48	-0.09	-21.12	
8,738.00	1.48	126.45	8,734.64	-148.23	-2.69	-148.21	0.71	0.26	-28.30	
8,832.00	1.39	121.86	8,828.61	-149.56	-0.74	-149.55	0.16	-0.10	-4.88	
8,926.00	2.01	152.44	8,922.57	-151.62	0.99	-151.62	1.15	0.66	32.53	
9,019.00	2.22	160.34	9,015.51	-154.76	2.35	-154.77	0.39	0.23	8.49	
9,112.00	1.92	173.37	9,108.45	-158.01	3.14	-158.02	0.60	-0.32	14.01	
9,206.00	1.76	177.72	9,202.40	-161.01	3.38	-161.03	0.23	-0.17	4.63	
9,301.00	1.46	172.08	9,297.36	-163.67	3.60	-163.69	0.36	-0.32	-5.94	
9,394.00	1.48	164.55	9,390.33	-166.00	4.08	-166.02	0.21	0.02	-8.10	
9,487.00	1.46	156.60	9,483.30	-168.24	4.87	-168.27	0.22	-0.02	-8.55	
9,581.00	1.16	148.45	9,577.28	-170.15	5.85	-170.19	0.37	-0.32	-8.67	



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4-33 B3MD Fed Com #1H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Site:	Black Sheep Pad	MD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Well:	Black Sheep 4-33 B3MD Fed Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
9,674.00	1.48	148.29	9,670.25	-171.98	6.97	-172.02	0.34	0.34	-0.17
9,767.00	1.24	156.95	9,763.23	-173.93	8.00	-173.97	0.34	-0.26	9.31
9,861.00	1.47	151.39	9,857.20	-175.92	8.97	-175.97	0.28	0.24	-5.91
9,956.00	2.26	139.03	9,952.15	-178.40	10.78	-178.47	0.93	0.83	-13.01
10,050.00	2.43	152.55	10,046.07	-181.57	12.92	-181.65	0.61	0.18	14.38
10,142.00	1.47	112.35	10,138.02	-183.75	14.91	-183.84	1.76	-1.04	-43.70
10,236.00	1.38	163.94	10,232.00	-185.30	16.34	-185.39	1.32	-0.10	54.88
10,330.00	1.32	155.68	10,325.97	-187.37	17.10	-187.47	0.22	-0.06	-8.79
10,423.00	0.93	195.87	10,418.95	-189.07	17.33	-189.18	0.92	-0.42	43.22
10,516.00	0.74	233.54	10,511.94	-190.16	16.64	-190.25	0.61	-0.20	40.51
10,609.00	0.62	187.89	10,604.94	-191.01	16.09	-191.11	0.58	-0.13	-49.09
10,701.00	1.03	170.42	10,696.93	-192.32	16.16	-192.41	0.52	0.45	-18.99
10,761.00	0.98	168.80	10,756.92	-193.36	16.35	-193.45	0.10	-0.08	-2.70
10,823.00	0.19	151.83	10,818.92	-193.97	16.50	-194.06	1.29	-1.27	-27.37
10,870.00	6.64	353.82	10,865.81	-191.33	16.24	-191.43	14.50	13.72	-336.19
10,917.00	13.01	352.89	10,912.10	-183.37	15.29	-183.46	13.56	13.55	-1.98
10,964.00	17.47	352.66	10,957.44	-171.12	13.74	-171.20	9.49	9.49	-0.49
11,010.00	20.91	353.25	11,000.87	-156.11	11.89	-156.18	7.49	7.48	1.28
11,056.00	23.16	355.93	11,043.51	-138.94	10.28	-139.00	5.36	4.89	5.83
11,102.00	25.55	354.36	11,085.41	-120.04	8.67	-120.09	5.38	5.20	-3.41
11,149.00	32.35	355.24	11,126.52	-97.39	6.62	-97.43	14.50	14.47	1.87
11,195.00	36.72	356.17	11,164.40	-71.40	4.68	-71.42	9.57	9.50	2.02
11,242.00	39.82	357.43	11,201.30	-42.34	3.07	-42.35	6.80	6.60	2.68
11,288.00	44.93	357.09	11,235.27	-11.38	1.58	-11.39	11.12	11.11	-0.74
11,335.00	51.58	356.49	11,266.55	23.61	-0.39	23.62	14.18	14.15	-1.28
11,381.00	55.96	359.29	11,293.73	60.68	-1.73	60.69	10.71	9.52	6.09
11,428.00	59.87	0.38	11,318.69	100.49	-1.84	100.50	8.55	8.32	2.32
11,474.00	62.93	0.23	11,340.71	140.87	-1.62	140.88	6.66	6.65	-0.33
11,521.00	66.35	359.70	11,360.84	183.34	-1.65	183.35	7.35	7.28	-1.13
11,567.00	70.61	359.08	11,377.71	226.12	-2.11	226.13	9.35	9.26	-1.35
11,614.00	73.78	358.32	11,392.08	270.85	-3.13	270.86	6.92	6.74	-1.62
11,660.00	77.27	358.14	11,403.57	315.36	-4.50	315.38	7.60	7.59	-0.39
11,707.00	82.51	358.39	11,411.82	361.59	-5.90	361.62	11.16	11.15	0.53
11,754.00	84.36	359.29	11,417.19	408.27	-6.85	408.31	4.37	3.94	1.91
11,847.00	87.54	1.52	11,423.76	501.02	-6.19	501.05	4.17	3.42	2.40
11,941.00	89.66	0.24	11,426.06	594.98	-4.74	594.99	2.63	2.26	-1.36
12,035.00	90.03	359.70	11,426.31	688.97	-4.79	688.99	0.70	0.39	-0.57
12,129.00	90.45	359.18	11,425.92	782.97	-5.71	782.99	0.71	0.45	-0.55
12,221.00	89.64	358.64	11,425.85	874.95	-7.46	874.98	1.06	-0.88	-0.59
12,315.00	88.63	359.53	11,427.27	968.93	-8.96	968.96	1.43	-1.07	0.95
12,408.00	88.54	359.17	11,429.56	1,061.89	-10.02	1,061.93	0.40	-0.10	-0.39
12,500.00	88.43	1.03	11,431.99	1,153.86	-9.86	1,153.89	2.02	-0.12	2.02
12,592.00	90.34	2.68	11,432.98	1,245.79	-6.88	1,245.81	2.74	2.08	1.79



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4-33 B3MD Fed Com #1H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Site:	Black Sheep Pad	MD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Well:	Black Sheep 4-33 B3MD Fed Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
12,685.00	90.48	2.75	11,432.32	1,338.69	-2.48	1,338.68	0.17	0.15	0.08
12,777.00	89.80	2.46	11,432.09	1,430.59	1.71	1,430.56	0.80	-0.74	-0.32
12,870.00	89.72	2.55	11,432.48	1,523.50	5.77	1,523.44	0.13	-0.09	0.10
12,964.00	91.04	1.25	11,431.86	1,617.44	8.89	1,617.36	1.97	1.40	-1.38
13,059.00	91.40	0.01	11,429.83	1,712.42	9.93	1,712.32	1.36	0.38	-1.31
13,154.00	89.44	359.76	11,429.14	1,807.41	9.74	1,807.32	2.08	-2.06	-0.26
13,248.00	87.11	359.82	11,431.97	1,901.36	9.40	1,901.27	2.48	-2.48	0.06
13,343.00	87.00	358.92	11,436.85	1,996.23	8.35	1,996.14	0.95	-0.12	-0.95
13,438.00	85.71	357.90	11,442.89	2,090.99	5.72	2,090.92	1.73	-1.36	-1.07
13,533.00	89.58	357.66	11,446.79	2,185.82	2.05	2,185.77	4.08	4.07	-0.25
13,628.00	88.96	357.99	11,448.00	2,280.75	-1.56	2,280.72	0.74	-0.65	0.35
13,722.00	87.98	358.21	11,450.51	2,374.66	-4.67	2,374.65	1.07	-1.04	0.23
13,817.00	86.81	358.08	11,454.83	2,469.51	-7.75	2,469.51	1.24	-1.23	-0.14
13,912.00	86.94	358.44	11,460.01	2,564.33	-10.63	2,564.34	0.40	0.14	0.38
14,007.00	89.89	359.10	11,462.64	2,659.26	-12.66	2,659.29	3.18	3.11	0.69
14,101.00	90.11	358.89	11,462.64	2,753.24	-14.31	2,753.28	0.32	0.23	-0.22
14,196.00	89.19	359.25	11,463.22	2,848.23	-15.85	2,848.27	1.04	-0.97	0.38
14,290.00	89.44	359.76	11,464.34	2,942.22	-16.67	2,942.26	0.60	0.27	0.54
14,384.00	88.24	358.79	11,466.24	3,036.19	-17.85	3,036.24	1.64	-1.28	-1.03
14,478.00	88.15	359.97	11,469.20	3,130.13	-18.87	3,130.19	1.26	-0.10	1.26
14,572.00	87.48	0.78	11,472.79	3,224.06	-18.26	3,224.11	1.12	-0.71	0.86
14,665.00	87.54	0.93	11,476.83	3,316.96	-16.87	3,317.00	0.17	0.06	0.16
14,759.00	85.17	0.00	11,482.80	3,410.76	-16.11	3,410.80	2.71	-2.52	-0.99
14,860.00	89.41	359.63	11,487.58	3,511.63	-16.43	3,511.66	4.21	4.20	-0.37
14,954.00	88.29	1.43	11,489.46	3,605.60	-15.57	3,605.63	2.25	-1.19	1.91
15,047.00	87.73	1.08	11,492.69	3,698.52	-13.53	3,698.53	0.71	-0.60	-0.38
15,142.00	87.87	359.93	11,496.34	3,793.44	-12.69	3,793.45	1.22	0.15	-1.21
15,236.00	88.68	359.97	11,499.17	3,887.40	-12.78	3,887.41	0.86	0.86	0.04
15,329.00	88.60	359.88	11,501.38	3,980.37	-12.90	3,980.38	0.13	-0.09	-0.10
15,422.00	88.66	358.71	11,503.60	4,073.34	-14.04	4,073.35	1.26	0.06	-1.26
15,515.00	89.19	357.07	11,505.35	4,166.26	-17.46	4,166.28	1.85	0.57	-1.76
15,607.00	88.26	359.04	11,507.39	4,258.17	-20.59	4,258.22	2.37	-1.01	2.14
15,700.00	88.60	359.12	11,509.94	4,351.13	-22.08	4,351.18	0.38	0.37	0.09
15,793.00	88.82	359.33	11,512.04	4,444.09	-23.34	4,444.15	0.33	0.24	0.23
15,886.00	88.83	359.52	11,513.94	4,537.07	-24.27	4,537.13	0.20	0.01	0.20
15,979.00	88.88	359.58	11,515.80	4,630.05	-25.00	4,630.12	0.08	0.05	0.06
16,073.00	89.27	359.55	11,517.32	4,724.03	-25.71	4,724.10	0.42	0.41	-0.03
16,166.00	87.40	359.53	11,520.02	4,816.99	-26.46	4,817.06	2.01	-2.01	-0.02
16,259.00	88.32	359.66	11,523.49	4,909.92	-27.12	4,909.99	1.00	0.99	0.14
16,352.00	87.96	359.46	11,526.51	5,002.87	-27.83	5,002.94	0.44	-0.39	-0.22
16,445.00	85.96	358.23	11,531.44	5,095.71	-29.70	5,095.80	2.52	-2.15	-1.32
16,539.00	86.04	358.60	11,538.00	5,189.45	-32.29	5,189.55	0.40	0.09	0.39
16,625.00	90.00	359.52	11,540.97	5,275.37	-33.70	5,275.47	4.73	4.60	1.07



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4-33 B3MD Fed Com #1H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Site:	Black Sheep Pad	MD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Well:	Black Sheep 4-33 B3MD Fed Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
16,720.00	88.40	358.51	11,542.30	5,370.34	-35.34	5,370.45	1.99	-1.68	-1.06
16,814.00	88.77	0.38	11,544.62	5,464.30	-36.25	5,464.42	2.03	0.39	1.99
16,908.00	89.05	359.52	11,546.41	5,558.28	-36.33	5,558.40	0.96	0.30	-0.91
17,000.00	88.26	358.89	11,548.57	5,650.25	-37.60	5,650.37	1.10	-0.86	-0.68
17,095.00	88.54	359.58	11,551.22	5,745.20	-38.87	5,745.33	0.78	0.29	0.73
17,188.00	88.15	359.00	11,553.91	5,838.15	-40.02	5,838.29	0.75	-0.42	-0.62
17,282.00	87.95	359.94	11,557.10	5,932.09	-40.89	5,932.23	1.02	-0.21	1.00
17,375.00	87.68	0.01	11,560.65	6,025.03	-40.93	6,025.16	0.30	-0.29	0.08
17,469.00	87.06	359.56	11,564.96	6,118.93	-41.29	6,119.06	0.81	-0.66	-0.48
17,561.00	86.83	359.47	11,569.87	6,210.79	-42.06	6,210.93	0.27	-0.25	-0.10
17,654.00	86.61	0.56	11,575.19	6,303.64	-42.04	6,303.78	1.19	-0.24	1.17
17,746.00	86.80	359.48	11,580.48	6,395.48	-42.01	6,395.62	1.19	0.21	-1.17
17,841.00	87.17	0.16	11,585.47	6,490.35	-42.31	6,490.49	0.81	0.39	0.72
17,935.00	86.92	359.36	11,590.32	6,584.23	-42.70	6,584.36	0.89	-0.27	-0.85
18,028.00	86.92	0.70	11,595.32	6,677.09	-42.65	6,677.22	1.44	0.00	1.44
18,122.00	86.86	1.12	11,600.42	6,770.94	-41.16	6,771.06	0.45	-0.06	0.45
18,216.00	87.25	359.59	11,605.25	6,864.81	-40.58	6,864.93	1.68	0.41	-1.63
18,310.00	86.84	0.59	11,610.25	6,958.67	-40.43	6,958.79	1.24	-0.65	1.06
18,404.00	86.55	0.50	11,615.84	7,052.50	-39.54	7,052.61	0.14	-0.10	-0.10
18,498.00	87.31	0.76	11,620.87	7,146.36	-38.51	7,146.47	0.85	0.81	0.28
18,590.00	87.82	0.15	11,624.78	7,238.28	-37.78	7,238.37	0.86	0.55	-0.66
18,683.00	87.79	0.21	11,628.34	7,331.21	-37.48	7,331.30	0.07	-0.03	0.06
18,776.00	87.79	0.55	11,631.93	7,424.14	-36.87	7,424.22	0.37	0.00	0.37
18,870.00	87.53	358.06	11,635.77	7,518.04	-38.01	7,518.14	2.66	-0.28	-2.65
18,962.00	86.83	357.73	11,640.29	7,609.87	-41.38	7,609.98	0.84	-0.76	-0.36
19,055.00	86.94	358.81	11,645.35	7,702.69	-44.19	7,702.81	1.17	0.12	1.16
19,147.00	86.97	356.90	11,650.24	7,794.49	-47.62	7,794.63	2.07	0.03	-2.08
19,241.00	86.81	359.33	11,655.34	7,888.29	-50.71	7,888.46	2.59	-0.17	2.59
19,334.00	86.92	1.48	11,660.42	7,981.15	-50.05	7,981.30	2.31	0.12	2.31
19,426.00	86.92	0.44	11,665.37	8,073.00	-48.52	8,073.14	1.13	0.00	-1.13
19,519.00	86.92	0.40	11,670.36	8,165.86	-47.83	8,166.00	0.04	0.00	-0.04
19,611.00	86.80	1.04	11,675.40	8,257.72	-46.68	8,257.85	0.71	-0.13	0.70
19,706.00	86.86	0.04	11,680.66	8,352.57	-45.79	8,352.69	1.05	0.06	-1.05
19,799.00	87.73	359.86	11,685.04	8,445.46	-45.87	8,445.58	0.96	0.94	-0.19
19,894.00	87.42	0.76	11,689.06	8,540.37	-45.35	8,540.49	1.00	-0.33	0.95
19,988.00	87.26	0.45	11,693.43	8,634.27	-44.36	8,634.38	0.37	-0.17	-0.33
20,081.00	87.14	357.92	11,697.97	8,727.14	-45.68	8,727.26	2.72	-0.13	-2.72
20,175.00	87.62	358.02	11,702.27	8,820.98	-49.01	8,821.12	0.52	0.51	0.11
20,270.00	87.17	357.72	11,706.59	8,915.82	-52.54	8,915.97	0.57	-0.47	-0.32
20,363.00	87.28	357.38	11,711.09	9,008.62	-56.51	9,008.80	0.38	0.12	-0.37
20,458.00	86.97	0.11	11,715.85	9,103.47	-58.59	9,103.66	2.89	-0.33	2.87
20,552.00	87.67	0.73	11,720.25	9,197.37	-57.90	9,197.55	0.99	0.74	0.66
20,647.00	87.08	0.75	11,724.60	9,292.26	-56.67	9,292.43	0.62	-0.62	0.02
20,741.00	87.65	0.33	11,728.92	9,386.15	-55.79	9,386.32	0.75	0.61	-0.45



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Black Sheep 4-33 B3MD Fed Com #1H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Site:	Black Sheep Pad	MD Reference:	KB=28' @ 3636.00usft (Patterson 559)
Well:	Black Sheep 4-33 B3MD Fed Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
20,835.00	87.45	0.15	11,732.94	9,480.07	-55.39	9,480.23	0.29	-0.21	-0.19
20,930.00	87.59	0.08	11,737.05	9,574.98	-55.20	9,575.14	0.16	0.15	-0.07
21,023.00	87.59	0.28	11,740.96	9,667.89	-54.91	9,668.05	0.21	0.00	0.22
21,118.00	86.86	1.31	11,745.56	9,762.77	-53.60	9,762.92	1.33	-0.77	1.08
21,212.00	87.31	0.80	11,750.34	9,856.63	-51.87	9,856.77	0.72	0.48	-0.54
21,306.00	87.09	0.69	11,754.93	9,950.51	-50.65	9,950.64	0.26	-0.23	-0.12
21,400.00	86.42	358.97	11,760.25	10,044.36	-50.92	10,044.48	1.96	-0.71	-1.83
21,493.00	86.30	358.26	11,766.16	10,137.14	-53.17	10,137.28	0.77	-0.13	-0.76
21,588.00	86.61	357.92	11,772.03	10,231.91	-56.33	10,232.06	0.48	0.33	-0.36
21,620.00	86.39	357.88	11,773.99	10,263.83	-57.50	10,263.99	0.70	-0.69	-0.13
Last Survey									
21,660.00	86.39	357.88	11,776.50	10,303.72	-58.97	10,303.89	0.00	0.00	0.00
PTB @ 21660'									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,867.00	1,866.37	-36.97	23.73	First AEP Survey
21,620.00	11,773.99	10,263.83	-57.50	Last Survey
21,660.00	11,776.50	10,303.72	-58.97	PTB @ 21660'

Checked By: _____ Approved By: _____ Date: _____

Intent ☐ As Drilled ☒

API # 30-025-46395		
Operator Name: Mewbourne Oil Co.	Property Name: Black Sheep 4/33 B3MD Fed Com	Well Number 1H

Kick Off Point (KOP)

UL M	Section 4	Township 22S	Range 34E	Lot	Feet 11	From N/S S	Feet 466	From E/W W	County Lea
Latitude 32.4135004					Longitude -103.4819831				NAD 83

First Take Point (FTP)

UL M	Section 4	Township 22S	Range 34E	Lot	Feet 360	From N/S S	Feet 449	From E/W W	County Lea
Latitude 32.4144609					Longitude -103.4620327				NAD 83

Last Take Point (LTP)

UL D	Section 33	Township 21S	Range 34E	Lot	Feet 108	From N/S N	Feet 453	From E/W W	County Lea
Latitude 32.4423059					Longitude -103.4819549				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



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

Sundry Print Report

11/16/2021

Well Name: BLACK SHEEP 4 B2MD FED COM	Well Location: T22S / R34E / SEC 4 / SWSW / 32.4140341 / -103.4820317	County or Parish/State: LEA / NM
Well Number: 2N # 1H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0381970	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546395	Well Status: Drilling Well	Operator: MEWBOURNE OIL COMPANY

Subsequent Report

Sundry ID: 2629377**Type of Submission:** Subsequent Report**Type of Action:** Hydraulic Fracturing**Date Sundry Submitted:** 08/17/2021**Time Sundry Submitted:** 01:24**Date Operation Actually Began:** 05/26/2021

Actual Procedure: Frac horizontal Bone Spring from 11490' MD to 21598' MD w/21,340,620 gals Slickwater, carrying 20,116,972# local 100 mesh sand. Flowback well for cleanup. 06/14/2021 Drill out frac plugs to PBTD @ 21613'. 06/17/2021 PWOL for initial sales. FORMATION TOPS: Rustler 1778', T/salt 2254', B/salt 3675', Yates 3900', Capitan Reef 4265', Delaware 5434', Bone Spring 8531', 1st Bone Spring 9616', 2nd Bone Spring 10160'. 3rd Bone Spring 11130'. REQUEST FOR OCD EXTENSION OF TIME TO FILE BLM APPROVED FORM 3160-4.

Well Name: BLACK SHEEP 4 B2MD FED COM	Well Location: T22S / R34E / SEC 4 / SWSW / 32.4140341 / -103.4820317	County or Parish/State: LEA / NM
Well Number: 2H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0381970	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546395	Well Status: Drilling Well	Operator: MEWBOURNE OIL COMPANY

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:** AUG 17, 2021 01:21 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:** Jackie Lathan**Street Address:** PO Box 5270**City:** Hobbs**State:** NM**Zip:** 88241**Phone:** (575)393-5905**Email address:** jlathan@mewbourne.com**BLM Point of Contact****BLM POC Name:** Jonathon W Shepard**BLM POC Phone:** 5752345972**Disposition:** Accepted**Signature:** Jonathon Shepard**BLM POC Title:** Petroleum Engineer**BLM POC Email Address:** jshepard@blm.gov**Disposition Date:** 10/14/2021



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

Well Completion Print Report

12/15/2021

Operator Name MEWBOURNE OIL COMPANY SHL SWSW Sec 4 22S 34E	Well Name BLACK SHEEP 4-33 B3MD FED COM	Well Number 1H	US Well Number 3002546395
Well Type OIL WELL	County LEA	State NM	Lease Number(s) NMNM0381970, NMNM0381970
Allottee/Tribe Name	Well Status Drilling Well	Agreement Name	Agreement Number(s)
	Well Pad Name null	Well Pad Number null	ID 10400034739

Section 1 - General

Well Completion Report Id: 79909

Submission Date: N/A until DB Work

BLM Office: Carlsbad Field Office

User: Bradley Bishop

Title: Regulatory

Federal/Indian: FEDERAL

Lease Number: NMNM0381970

Lease Acres:

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: 04-12-2021

Date Total Measured Depth Reached: 05-05-2021

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	ANHYDRITE		3608	27	27	NONE	
RUSTLER	ANHYDRITE, DOLOMITE		1833	1775	1775	USEABLE WATER	

Operator Name MEWBOURNE OIL COMPANY SHL SWSW Sec 4 22S 34E	Well Name BLACK SHEEP 4-33 B3MD FED COM	Well Number 1H	US Well Number 3002546395
	County LEA	State NM	Lease Number(s) NMNM0381970, NMNM0381970
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400034739

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
TOP SALT	SALT		1348	2260	2260	NONE	
BOTTOM SALT	SALT		-127	3735	3735	NONE	
YATES	SANDSTONE		-367	3975	3975	NATURAL GAS, OIL	
CAPITAN REEF	DOLOMITE, LIMESTONE		-657	4265	4265	USEABLE WATER	
DELAWARE	LIMESTONE		-1677	5285	5285	NATURAL GAS, OIL	
BONE SPRINGS	LIMESTONE, SHALE		-4952	8560	8560	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE		-6057	9665	9665	NATURAL GAS, OIL	
BONE SPRING 2ND	SANDSTONE		-6602	10210	10210	NATURAL GAS, OIL	

Completion and Completed Intervals

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	NMNM0381970	NMNM0381970	NEW		DRG	06-08-2021	06-17-2021	BONE SPRING	11490	21598	Y	.39	1836	OPEN

Operator Name MEWBOURNE OIL COMPANY SHL SWSW Sec 4 22S 34E	Well Name BLACK SHEEP 4-33 B3MD FED COM	Well Number 1H	US Well Number 3002546395
	County LEA	State NM	Lease Number(s) NMNM0381970, NMNM0381970
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400034739

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	508110		21,340,620 gals Slickwater, carrying 20,116,972 # 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			FLows FROM WELL		SOLD	

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 Shut-In (psi)	Casing Pressure (psi)
00	X1	1	06/26/2021	24	1284	2669	3119	2078	24/64		3465

Operator Name MEWBOURNE OIL COMPANY SHL SWSW Sec 4 22S 34E	Well Name BLACK SHEEP 4-33 B3MD FED COM	Well Number 1H	US Well Number 3002546395
	County LEA	State NM	Lease Number(s) NMNM0381970, NMNM0381970
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400034739

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	Alliquot/Lo/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4140341	-103.4820317	3608	FEDERAL	NMNM0381970				205	FSL	450	FWL	22S	34E	4	SWSW
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4135004	-103.4819831	-7211	FEDERAL	NMNM0381970				11	FSL	466	FWL	22S	34E	4	SWSW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4144609	-103.4820327	-7740	FEDERAL	NMNM0381970				360	FSL	449	FWL	22S	34E	4	SWSW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.420721	-103.4819901	-7845	FEDERAL	NMNM058678				2638	FSL	453	FWL	22S	34E	4	SWNW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4280842	-103.4819971	-7925	FEE	FEE				0	FSL	437	FWL	21S	34E	33	SWSW
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4423059	-103.4819549	-8167	FEE	FEE				108	FNL	453	FWL	21S	34E	33	NWNW
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.4423551	-103.4819567	-8169	FEE	FEE				90	FNL	453	FWL	21S	34E	33	NWNW

Operator Name MEWBORNE OIL COMPANY SHL SWSW Sec 4 22S 34E	Well Name BLACK SHEEP 4-33 B3MD FED COM	Well Number 1H	US Well Number 3002546395
	County LEA	State NM	Lease Number(s) NMNM0381970, NMNM0381970
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400034739

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	SURFACE	17.5	0	1823	13.375	54.5	J-55		ST&C		
00	INTERMEDIATE	12.25	0	5605	9.625	40	HCL-80		LT&C		
00	PRODUCTION	8.75	0	10745	7.0	29	HCP-110		LT&C		
00	LINER	6.125	10531	21660	4.5	13.5	HCP-110		OTHER	CDC HTQ	

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	SURFACE		Class C	1000	1.81	0	Class C	200	1.32		369.4
00	INTERMEDIATE	3537	Class C	550	1.68	3537	Class C	400	1.33		1254.2
00	INTERMEDIATE	3537	Class C	1150	1.68	0	Class C	100	1.33		1254.2
00	PRODUCTION		Class H	300	2.81	4700	Class H	400	1.18		234.2
00	LINER		Class H	800	1.74	10531				925	247.9

Operator Name MEWBOURNE OIL COMPANY SHL SWSW Sec 4 22S 34E	Well Name BLACK SHEEP 4-33 B3MD FED COM	Well Number 1H	US Well Number 3002546395
	County LEA	State NM	Lease Number(s) NMNM0381970, NMNM0381970
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400034739

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	YES	NO	NO	YES	NO	YES

Operator Name MEWBOURNE OIL COMPANY SHL SWSW Sec 4 22S 34E	Well Name BLACK SHEEP 4-33 B3MD FED COM County LEA	Well Number 1H State NM	US Well Number 3002546395 Lease Number(s) NMNM0381970, NMNM0381970 Agreement Number(s)
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400034739

Operator Certification

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. 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 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 Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: MEWBOURNE OIL COMPANY**Signed By:** Bradley Bishop**Title:** Regulatory**Signed on:** 08/17/2021**Street Address:** PO Box 5270**City:** Hobbs**State:** NM**Zip:** 88260**Phone:** (575)393-5905**Email address:** bbishop@mewbourne.com**Field Representative****Representative Name:** Jackie Lathan**Street Address:** PO Box 5270**City:** Hobbs**State:** NM**Zip:** 88241**Phone:** (575)393-5905**Extension:****Email address:** jlathan@mewbourne.com**Attachments**

2.5_MD_Black_Sheep_4_33_B3MD_Fed_Com_1H_20210817144848.pdf

2.5_TVD_Black_Sheep_4_33_B3MD_Fed_Com_1H_20210817144903.pdf

5_MD_Black_Sheep_4_33_B3MD_Fed_Com_1H_20210817145253.pdf

5_TVD_Black_Sheep_4_33_B3MD_Fed_Com_1H_20210817145303.pdf

Black_Sheep_4_33_B3MD_Fed_Com_1H_WB_Diagram_20210923182737.xlsx

Operator Name MEWBOURNE OIL COMPANY SHL SWSW Sec 4 22S 34E	Well Name BLACK SHEEP 4-33 B3MD FED COM County LEA	Well Number 1H State NM	US Well Number 3002546395 Lease Number(s) NMNM0381970, NMNM0381970 Agreement Number(s)
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400034739

Final_PVA_Black_Sheep_4_33_B3MD_Fed_Com_1H_20211116060922.pdf

Mewbourne Oil Company

Well Name: Black Sheep 4/33 B3MD Fed Corn #1H

Updated by: Andy Taylor

Spud Date: 4/12/2021

Date Updated: 9/23/2021

Surface

17 1/2" x 13 3/4" 54.5# J55

Set @ 1823'

Cmt w/ 1200 sx

Circ. 179 sx to pit

Intermediate

12 1/4" x 9 3/4" 36# J55, 40# J55, HCL80

Set @ 5605'

Cmt Stg 2 w/ 1250 sx

Circ. 8 sx to pit

ECP/DV Tool @ 3537'

Cmt Stg 1 w/ 950 sx

Circ. 501 sx off DV Tool

Production

8 3/4" x 7" 29# HCP110

Set @ 10,745'

Cmt w/ 700 sx

TOC @ 4700' (est.)

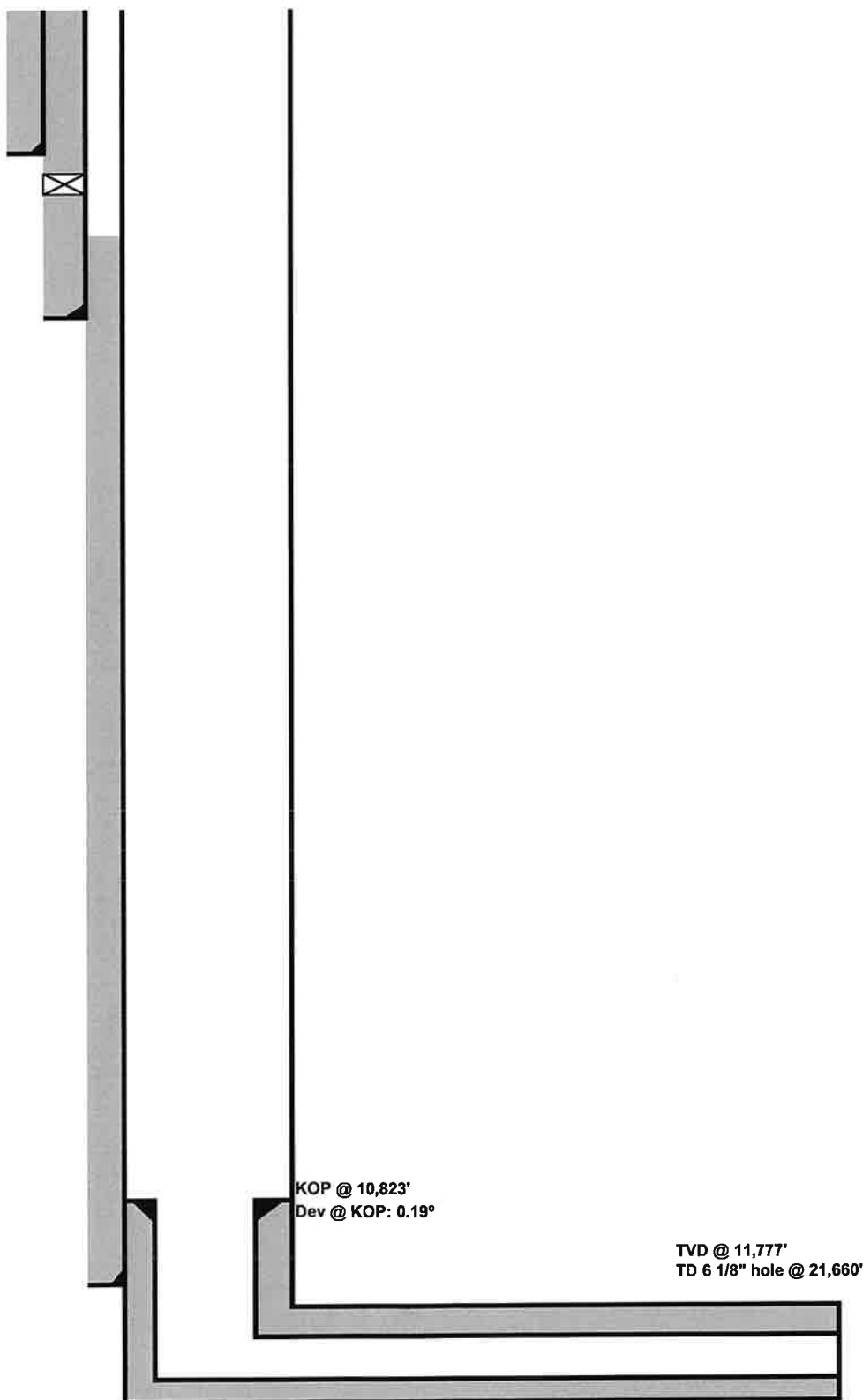
Liner

6 1/8" x 4 1/2" 13.5 # HCP110

Set @ 10,531' - 21,660'

Cmt w/ 800 sx

TOC @ 10,531'



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 67213

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 67213
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	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
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 67213

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 67213
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/24/2022