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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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

Form C-104
Revised August 1, 2011

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Mewbourne Oil Company PO Box 5270 Hobbs, NM 88241		² OGRID Number 14744
		³ Reason for Filing Code/ Effective Date NW / 11/20/2020
⁴ API Number 30-025-46910	⁵ Pool Name WC-025 G-08 S263205N; UPPER WOLFCAMP	⁶ Pool Code 98065 KZ
⁷ Property Code 39542	⁸ Property Name Red Hills West Unit	⁹ Well Number 017H

II. ¹⁰ Surface Location

UL or lot no. M	Section 10	Township 26S	Range 32E	Lot Idn	Feet from the 150	North/South Line South	Feet from the 1250	East/West line West	County Lea
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¹¹ Bottom Hole Location

UL or lot no. C	Section 3	Township 26S	Range 32E	Lot Idn	Feet from the 87	North/South line North	Feet from the 2287	East/West line West	County Lea
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¹² Lse Code F	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 11/20/2020	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

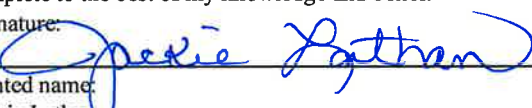
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
195739	Plains Pipeline 5500 Ming Ave, Suite 300 Bakersfield, CA 93309	O
314437	Delaware Basin, Midstream LLC PO Box 1330 Houston, TX 77251-1330	G

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

²¹ Spud Date 06/24/2020	²² Ready Date 11/20/2020	²³ TD 22590' MD	²⁴ PBDT 22549'	²⁵ Perforations 12496' – 22541'	²⁶ DHC, MC NA
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ¾" 54.5# J55	840'	700		
12 ¼"	9 ⅝" 40# HCL80/N80	4520'	1125'		
8 ¾"	7 ⅝" 39# HCP110	11638'	564		
6 ⅝"	4 ½" 13.5# HCP110	11386' - 22590'	1072		

V. Well Test Data

³¹ Date New Oil 11/20/2020	³² Gas Delivery Date 11/20/2020	³³ Test Date 11/30/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure NA	³⁶ Csg. Pressure 1400
³⁷ Choke Size 34/64"	³⁸ Oil 1079	³⁹ Water 4923	⁴⁰ Gas 3455		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: PATRICIA MARTINEZ	
Title: Regulatory		Title: LM II	
E-mail Address: jlathan@mewbourne.com		Approval Date: 3/11/2021	
Date: 12/16/2020	Phone: 575-393-5905	FILE 3160-4 WITHIN 10 DAYS TO NMOCD AFTER BLM APPROVAL.	

Received by OCD: 2/17/2021 11:32:58 AM

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 30-025-46910		² Pool Code 98065		³ Pool Name WC-025 G-08 S263205N; UPPER WOLFCAMP KZ	
⁴ Property Code 39542		⁵ Property Name RED HILLS WEST UNIT			⁶ Well Number 17H
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3219'
¹⁰ Surface Location					
UL or lot no. M	Section 10	Township 26S	Range 32E	Lot Idn	Feet from the 150
				North/South line SOUTH	Feet From the 1250
				East/West line WEST	County LEA
¹¹ Bottom Hole Location If Different From Surface SL					
UL or lot no. C	Section 3	Township 26S	Range 32E	Lot Idn	Feet from the 87
				North/South line NORTH	Feet from the 2287
				East/West line WEST	County LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.		

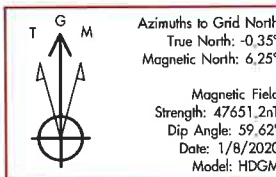
No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

	GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 382816.9 - E: 747685.1 LAT: 32.0506938° N LONG: 103.6673102° W BOTTOM HOLE N: 393268.9 - E: 748635.9 LAT: 32.0794080° N LONG: 103.6640324° W CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1939" N: 382656.6 - E: 746437.1 B: FOUND BRASS CAP "1939" N: 385331.2 - E: 746405.8 C: FOUND BRASS CAP "1939" N: 388004.3 - E: 746375.4 D: FOUND BRASS CAP "1939" N: 390675.2 - E: 746350.7 E: FOUND BRASS CAP "1916" N: 393347.5 - E: 746325.5 F: FOUND BRASS CAP "1916" N: 393372.1 - E: 748989.5 G: FOUND BRASS CAP "1916" N: 393397.2 - E: 751651.5 H: FOUND BRASS CAP "1939" N: 390723.7 - E: 751672.7 I: FOUND BRASS CAP "1939" N: 388048.6 - E: 751701.6 J: FOUND BRASS CAP "1939" N: 385374.9 - E: 751732.1 K: FOUND BRASS CAP "1939" N: 382701.2 - E: 751766.6 L: FOUND BRASS CAP "1939" N: 382678.5 - E: 749103.0	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> 12/01/2020 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. 05-22-2019 Date of Survey Signature and Seal of Professional Surveyor: <i>Robert M. Howett</i> 19680 Certificate Number	

RR-C-Job No: LS19050617



Site: Red Hills West Unit
Well: #17H
Wellbore: OH
Design: Plan #2
Lat: 32.050694
Long: -103.667310
GL: 3219.00
KB: RKB=27 @ 3246.00usft (Patterson 562)



**50' Dotted Buffer
Line East of Plan
Line
DO NOT CROSS**

WELL DETAILS: #17H

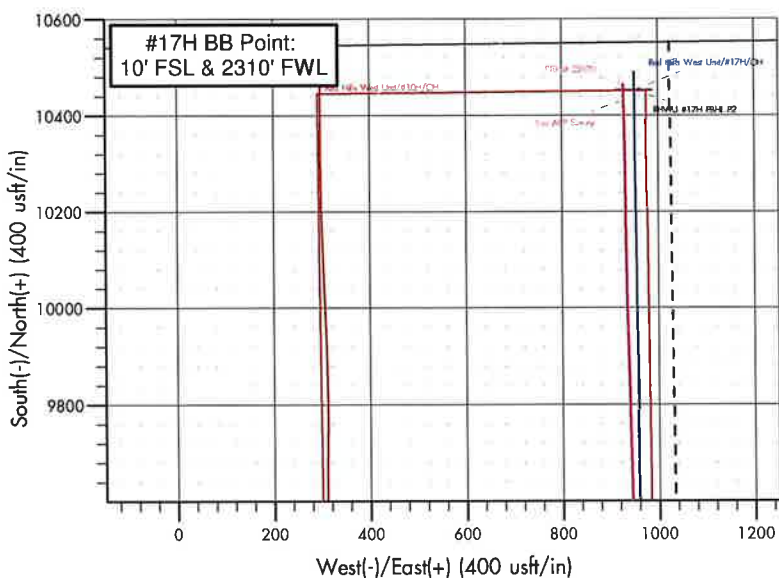
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	382816.90	747685.10	32.050694	-103.667310

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
RHWU #17H BB Point P2	11683.06	-131.32	1061.82	382685.58	748746.92	Point
RHWU #17H PBHL P2	12181.00	10452.00	950.80	393268.90	748635.90	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	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	Build 1.50°/100'
1291.92	5.88	97.05	1291.24	-2.47	19.94	1.50	97.05	-0.65	10053' Hold
11345.39	5.88	97.05	11291.82	-128.86	1041.88	0.00	0.00	-33.94	Drop 1.50°/100'
11737.31	0.00	0.00	11683.06	-131.32	1061.82	1.50	180.00	-34.59	Build 10°/100'
12641.60	90.43	359.40	12256.00	445.90	1055.76	10.00	359.40	539.71	10,007' Hold
22648.54	90.43	359.40	12181.00	10452.00	950.80	0.00	0.00	10495.16	TD at 22648.54

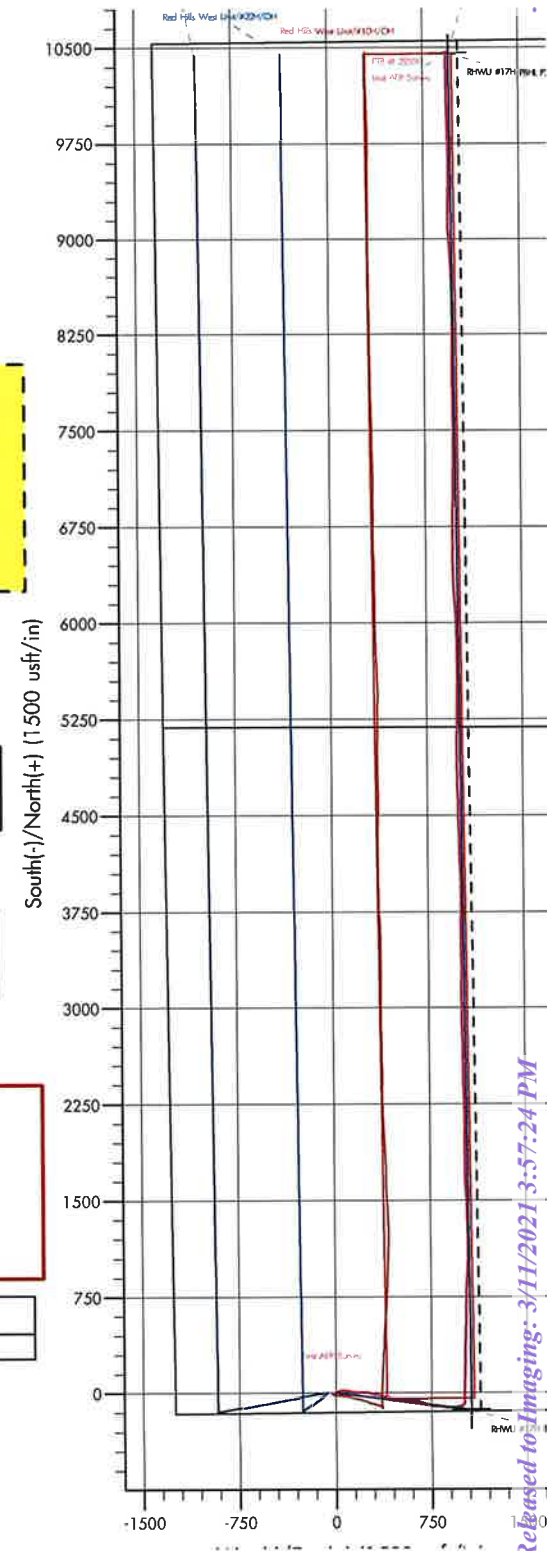


**Red Hills West #17H SHL:
150' FSL & 1250' FWL**

**Red Hills West #17H BHL:
100' FNL & 2310' FWL**

**100' FSL Hard Line
100' FNL Hard Line
2334' FWL Hard Line
1650' FWL Hard Line**

Plan: Plan #2 (#17H/OH)
Created By: Dusty Moyer Date: 5:15 July 27 2020





MEWBOURNE
OIL COMPANY

Mewbourne Oil Company

Lea Co., NM (NAD 83)

Red Hills West Unit

#17H

OH

Design: OH

Standard Survey Report

27 July, 2020





Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well #17H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Site:	Red Hills West Unit	MD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Well:	#17H	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	Red Hills West Unit				
Site Position:		Northing:	382,816.10 usft	Latitude:	32.050693
From:	Map	Easting:	747,595.10 usft	Longitude:	-103.667601
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	#17H					
Well Position	+N/-S	0.00 usft	Northing:	382,816.90 usft	Latitude:	32.050694
	+E/-W	0.00 usft	Easting:	747,685.10 usft	Longitude:	-103.667310
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,219.00 usft
Grid Convergence:		0.35 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	1/8/2020	6.60	59.62	47,651.20000000

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	5.20	

Survey Program	Date	7/27/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
200.00	1,030.00	Gyro (OH)	GYRO-MWD	OWSG Gyro MWD	
1,142.00	22,590.00	AEP MWD Surveys (OH)	MWD	OWSG MWD - 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	
200.00	0.30	245.21	200.00	-0.22	-0.48	-0.26	0.15	0.15	0.00	
400.00	0.43	232.97	400.00	-0.89	-1.55	-1.03	0.08	0.07	-6.12	
600.00	0.55	205.83	599.99	-2.21	-2.57	-2.43	0.13	0.06	-13.57	
800.00	0.55	72.53	799.98	-2.78	-2.07	-2.96	0.50	0.00	-66.65	
901.00	1.02	31.93	900.97	-1.87	-1.13	-1.97	0.69	0.47	-40.20	
961.00	2.06	44.36	960.95	-0.65	-0.10	-0.66	1.81	1.73	20.72	
1,000.00	4.23	50.08	999.89	0.77	1.50	0.91	5.62	5.56	14.67	
1,030.00	7.42	56.71	1,029.73	2.55	3.97	2.90	10.85	10.63	22.10	



Altitude Energy Partners Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well #17H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Site:	Red Hills West Unit	MD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Well:	#17H	North Reference:	Grid
Wellbores:	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)
1,142.00	14.29	68.34	1,139.68	11.63	22.88	13.66	6.41	6.13	10.38
First AEP Survey									
1,235.00	12.40	80.82	1,230.18	17.46	43.41	21.32	3.69	-2.03	13.42
1,328.00	10.46	93.91	1,321.35	18.48	61.70	23.99	3.47	-2.09	14.08
1,420.00	7.82	98.40	1,412.17	17.00	76.22	23.83	2.97	-2.87	4.88
1,513.00	7.43	99.01	1,504.35	15.13	88.42	23.08	0.43	-0.42	0.66
1,606.00	5.98	103.49	1,596.71	13.06	99.07	21.98	1.66	-1.56	4.82
1,698.00	5.63	103.76	1,688.24	10.87	108.12	20.62	0.38	-0.38	0.29
1,791.00	5.19	104.73	1,780.82	8.71	116.61	19.24	0.48	-0.47	1.04
1,885.00	4.53	107.89	1,874.49	6.49	124.26	17.72	0.76	-0.70	3.36
1,980.00	5.80	94.88	1,969.10	4.93	132.61	16.92	1.81	1.34	-13.69
2,075.00	6.42	93.39	2,063.56	4.21	142.70	17.12	0.67	0.65	-1.57
2,170.00	5.80	94.79	2,158.02	3.49	152.78	17.32	0.67	-0.65	1.47
2,264.00	5.19	95.67	2,251.59	2.68	161.75	17.32	0.66	-0.65	0.94
2,358.00	4.62	96.64	2,345.24	1.82	169.74	17.19	0.61	-0.61	1.03
2,454.00	6.29	92.68	2,440.81	1.12	178.83	17.32	1.78	1.74	-4.13
2,549.00	7.43	89.43	2,535.12	0.94	190.17	18.17	1.27	1.20	-3.42
2,644.00	6.37	87.24	2,629.44	1.26	201.58	19.51	1.15	-1.12	-2.31
2,738.00	5.58	89.43	2,722.92	1.55	211.36	20.70	0.87	-0.84	2.33
2,833.00	4.88	90.49	2,817.53	1.57	220.02	21.49	0.74	-0.74	1.12
2,928.00	6.42	86.44	2,912.06	1.86	229.36	22.63	1.67	1.62	-4.26
3,023.00	6.95	86.80	3,006.42	2.51	240.40	24.28	0.56	0.56	0.38
3,118.00	6.51	105.16	3,100.77	1.42	251.34	24.19	2.30	-0.46	19.33
3,213.00	6.90	109.47	3,195.12	-1.89	261.92	21.85	0.67	0.41	4.54
3,308.00	6.64	105.96	3,289.46	-5.30	272.58	19.42	0.51	-0.27	-3.69
3,403.00	6.20	101.47	3,383.87	-7.83	282.89	17.83	0.70	-0.46	-4.73
3,498.00	5.89	100.95	3,478.34	-9.78	292.70	16.78	0.33	-0.33	-0.55
3,592.00	5.10	101.82	3,571.91	-11.55	301.52	15.82	0.85	-0.84	0.93
3,687.00	4.13	100.42	3,666.60	-13.03	309.02	15.02	1.03	-1.02	-1.47
3,781.00	5.10	95.58	3,760.29	-14.05	316.51	14.68	1.11	1.03	-5.15
3,875.00	5.80	96.73	3,853.87	-15.01	325.38	14.53	0.75	0.74	1.22
3,970.00	5.63	99.19	3,948.39	-16.32	334.75	14.07	0.31	-0.18	2.59
4,064.00	5.01	102.18	4,041.99	-17.92	343.32	13.25	0.72	-0.66	3.18
4,159.00	4.70	101.12	4,136.65	-19.55	351.19	12.35	0.34	-0.33	-1.12
4,253.00	4.70	108.86	4,230.33	-21.54	358.61	11.04	0.67	0.00	8.23
4,348.00	4.84	111.84	4,325.00	-24.28	366.02	8.97	0.30	0.15	3.14
4,443.00	4.26	110.44	4,419.70	-27.01	373.04	6.90	0.62	-0.61	-1.47
4,473.00	4.18	111.84	4,449.62	-27.80	375.10	6.29	0.43	-0.27	4.67
4,576.00	3.38	110.61	4,552.40	-30.27	381.43	4.41	0.78	-0.78	-1.19
4,639.00	4.04	103.93	4,615.27	-31.46	385.32	3.58	1.25	1.05	-10.60
4,734.00	5.41	102.70	4,709.94	-33.25	392.94	2.49	1.45	1.44	-1.29
4,829.00	5.19	101.91	4,804.53	-35.12	401.51	1.40	0.24	-0.23	-0.83
4,924.00	6.90	102.62	4,899.00	-37.25	411.28	0.16	1.80	1.80	0.75



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well #17H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Site:	Red Hills West Unit	MD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Well:	#17H	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)
5,019.00	7.25	103.32	4,993.28	-39.88	422.69	-1.42	0.38	0.37	0.74
5,113.00	6.95	103.23	5,086.56	-42.55	433.99	-3.06	0.32	-0.32	-0.10
5,208.00	6.64	102.18	5,180.89	-45.02	444.96	-4.53	0.35	-0.33	-1.11
5,302.00	6.59	99.54	5,274.27	-47.06	455.59	-5.60	0.33	-0.05	-2.81
5,398.00	6.15	97.43	5,369.67	-48.64	466.12	-6.21	0.52	-0.46	-2.20
5,492.00	5.85	98.75	5,463.16	-50.02	475.85	-6.71	0.35	-0.32	1.40
5,587.00	5.36	97.52	5,557.70	-51.34	485.03	-7.19	0.53	-0.52	-1.29
5,682.00	5.10	97.08	5,652.31	-52.44	493.62	-7.50	0.28	-0.27	-0.46
5,777.00	4.70	94.97	5,746.96	-53.30	501.69	-7.63	0.46	-0.42	-2.22
5,872.00	4.70	94.53	5,841.64	-53.94	509.45	-7.57	0.04	0.00	-0.46
5,968.00	7.12	93.91	5,937.12	-54.66	519.30	-7.39	2.52	2.52	-0.65
6,063.00	7.65	94.35	6,031.34	-55.54	531.48	-7.16	0.56	0.56	0.46
6,157.00	7.52	93.21	6,124.51	-56.36	543.86	-6.85	0.21	-0.14	-1.21
6,251.00	7.25	94.44	6,217.73	-57.16	555.92	-6.56	0.33	-0.29	1.31
6,345.00	6.59	95.85	6,311.05	-58.17	567.20	-6.55	0.72	-0.70	1.50
6,440.00	6.07	94.97	6,405.47	-59.16	577.63	-6.59	0.56	-0.55	-0.93
6,535.00	5.49	95.76	6,499.98	-60.05	587.15	-6.61	0.62	-0.61	0.83
6,630.00	5.45	96.38	6,594.55	-61.01	596.16	-6.75	0.08	-0.04	0.65
6,724.00	5.41	97.25	6,688.13	-62.06	604.99	-7.00	0.10	-0.04	0.93
6,818.00	5.36	98.05	6,781.72	-63.24	613.73	-7.38	0.10	-0.05	0.85
6,913.00	5.23	98.22	6,876.31	-64.48	622.41	-7.83	0.14	-0.14	0.18
7,008.00	4.92	96.20	6,970.94	-65.54	630.74	-8.13	0.38	-0.33	-2.13
7,103.00	4.97	97.17	7,065.58	-66.49	638.88	-8.34	0.10	0.05	1.02
7,198.00	5.63	98.49	7,160.18	-67.69	647.57	-8.75	0.71	0.69	1.39
7,292.00	6.02	104.02	7,253.69	-69.57	656.91	-9.77	0.73	0.41	5.88
7,387.00	5.41	103.58	7,348.22	-71.83	666.10	-11.19	0.64	-0.64	-0.46
7,481.00	4.97	103.06	7,441.83	-73.79	674.37	-12.39	0.47	-0.47	-0.55
7,576.00	4.70	105.34	7,536.50	-75.75	682.13	-13.64	0.35	-0.28	2.40
7,671.00	4.92	116.41	7,631.16	-78.59	689.54	-15.80	1.00	0.23	11.65
7,766.00	4.62	116.68	7,725.83	-82.12	696.60	-18.67	0.32	-0.32	0.28
7,861.00	5.36	109.12	7,820.48	-85.29	704.22	-21.14	1.04	0.78	-7.96
7,955.00	5.89	110.61	7,914.02	-88.43	712.88	-23.48	0.58	0.56	1.59
8,050.00	5.76	111.84	8,008.53	-91.92	721.87	-26.14	0.19	-0.14	1.29
8,146.00	5.63	112.81	8,104.06	-95.53	730.68	-28.94	0.17	-0.14	1.01
8,241.00	5.45	112.64	8,198.61	-99.08	739.14	-31.71	0.19	-0.19	-0.18
8,335.00	5.41	99.19	8,292.20	-101.50	747.63	-33.35	1.35	-0.04	-14.31
8,430.00	5.10	99.80	8,386.80	-102.94	756.21	-34.00	0.33	-0.33	0.64
8,524.00	5.67	93.04	8,480.38	-103.89	764.97	-34.16	0.91	0.61	-7.19
8,619.00	4.84	92.42	8,574.98	-104.31	773.66	-33.79	0.88	-0.87	-0.65
8,714.00	5.98	86.88	8,669.56	-104.21	782.60	-32.88	1.32	1.20	-5.83
8,808.00	5.01	88.29	8,763.13	-103.82	791.60	-31.68	1.04	-1.03	1.50
8,902.00	4.62	94.79	8,856.79	-104.02	799.47	-31.16	0.71	-0.41	6.91
8,997.00	5.14	94.18	8,951.45	-104.65	807.53	-31.06	0.55	0.55	-0.64
9,092.00	4.53	87.24	9,046.11	-104.78	815.52	-30.46	0.89	-0.64	-7.31



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well #17H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Site:	Red Hills West Unit	MD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Well:	#17H	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)
9,187.00	5.49	99.10	9,140.75	-105.31	823.76	-30.25	1.48	1.01	12.48
9,281.00	4.53	104.90	9,234.39	-106.98	831.78	-31.18	1.15	-1.02	6.17
9,376.00	4.79	94.71	9,329.08	-108.27	839.36	-31.78	0.91	0.27	-10.73
9,471.00	4.35	91.01	9,423.78	-108.66	846.92	-31.49	0.56	-0.46	-3.89
9,566.00	3.82	107.19	9,518.54	-109.66	853.54	-31.88	1.33	-0.56	17.03
9,659.00	4.75	100.42	9,611.28	-111.27	860.29	-32.87	1.14	1.00	-7.28
9,753.00	5.76	94.53	9,704.88	-112.35	868.82	-33.17	1.22	1.07	-6.27
9,848.00	5.63	92.95	9,799.41	-112.96	878.23	-32.94	0.21	-0.14	-1.66
9,943.00	4.35	92.07	9,894.05	-113.33	886.48	-32.56	1.35	-1.35	-0.93
10,038.00	3.38	92.42	9,988.83	-113.58	892.88	-32.22	1.02	-1.02	0.37
10,133.00	4.75	88.73	10,083.59	-113.61	899.61	-31.65	1.47	1.44	-3.88
10,228.00	3.87	95.06	10,178.32	-113.81	906.74	-31.19	1.05	-0.93	6.66
10,323.00	4.75	85.48	10,273.05	-113.78	913.85	-30.52	1.19	0.93	-10.08
10,417.00	4.44	86.00	10,366.75	-113.22	921.36	-29.28	0.33	-0.33	0.55
10,512.00	4.04	88.99	10,461.49	-112.90	928.37	-28.33	0.48	-0.42	3.15
10,606.00	5.85	85.21	10,555.14	-112.45	936.46	-27.15	1.96	1.93	-4.02
10,701.00	5.58	77.22	10,649.67	-111.02	945.79	-24.88	0.88	-0.28	-8.41
10,795.00	5.80	75.46	10,743.21	-108.82	954.84	-21.87	0.30	0.23	-1.87
10,890.00	5.76	79.32	10,837.72	-106.73	964.17	-18.94	0.41	-0.04	4.06
10,985.00	4.35	78.53	10,932.35	-105.13	972.39	-16.60	1.49	-1.48	-0.83
11,080.00	4.00	75.90	11,027.10	-103.60	979.13	-14.47	0.42	-0.37	-2.77
11,175.00	3.96	71.06	11,121.87	-101.73	985.45	-12.04	0.36	-0.04	-5.09
11,270.00	3.30	61.75	11,216.68	-99.37	990.96	-9.19	0.93	-0.69	-9.80
11,364.00	2.73	54.19	11,310.55	-96.78	995.16	-6.23	0.74	-0.61	-8.04
11,459.00	2.29	49.18	11,405.46	-94.22	998.43	-3.38	0.52	-0.46	-5.27
11,554.00	2.42	39.95	11,500.38	-91.44	1,001.16	-0.37	0.42	0.14	-9.72
11,649.00	2.07	40.39	11,595.30	-88.60	1,003.56	2.68	0.37	-0.37	0.46
11,665.00	1.93	38.98	11,611.30	-88.17	1,003.91	3.14	0.93	-0.88	-8.81
11,720.00	1.85	36.43	11,666.27	-86.73	1,005.02	4.67	0.21	-0.15	-4.64
11,767.00	6.99	2.24	11,713.12	-83.26	1,005.59	8.18	11.82	10.94	-72.74
11,814.00	14.37	0.05	11,759.27	-74.56	1,005.70	16.86	15.72	15.70	-4.66
11,861.00	19.82	2.95	11,804.18	-60.76	1,006.12	30.64	11.73	11.60	6.17
11,909.00	23.74	1.37	11,848.74	-42.97	1,006.77	48.42	8.26	8.17	-3.29
11,956.00	26.42	359.61	11,891.31	-23.05	1,006.92	68.27	5.92	5.70	-3.74
12,004.00	27.12	1.19	11,934.16	-1.43	1,007.08	89.81	2.08	1.46	3.29
12,051.00	34.02	2.16	11,974.61	22.45	1,007.80	113.66	14.72	14.68	2.06
12,099.00	39.65	1.89	12,013.01	51.19	1,008.81	142.38	11.73	11.73	-0.56
12,146.00	43.52	0.49	12,048.16	82.38	1,009.44	173.49	8.47	8.23	-2.98
12,194.00	49.01	1.01	12,081.33	117.04	1,009.90	208.05	11.46	11.44	1.08
12,241.00	50.46	2.42	12,111.71	152.89	1,010.98	243.85	3.84	3.09	3.00
12,289.00	53.14	2.16	12,141.39	190.57	1,012.49	281.52	5.60	5.58	-0.54
12,336.00	57.98	1.19	12,167.96	229.31	1,013.61	320.19	10.44	10.30	-2.06
12,378.00	62.86	0.93	12,188.69	265.82	1,014.28	356.61	11.63	11.62	-0.62



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well #17H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Site:	Red Hills West Unit	MD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Well:	#17H	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)	
12,430.00	68.26	359.78	12,210.19	313.14	1,014.57	403.76	10.58	10.38	-2.21	
12,479.00	75.69	2.60	12,225.35	359.68	1,015.56	450.21	16.12	15.16	5.76	
12,526.00	81.63	1.63	12,234.58	405.71	1,017.25	496.20	12.80	12.64	-2.06	
12,546.00	85.23	2.07	12,236.87	425.57	1,017.89	516.03	18.13	18.00	2.20	
12,573.00	87.74	1.89	12,238.53	452.50	1,018.83	542.94	9.32	9.30	-0.67	
12,618.00	90.81	1.81	12,239.10	497.47	1,020.28	587.85	6.82	6.82	-0.18	
12,668.00	89.76	0.84	12,238.85	547.45	1,021.43	637.74	2.86	-2.10	-1.94	
12,683.00	89.27	0.93	12,238.98	562.45	1,021.67	652.69	3.32	-3.27	0.60	
12,763.00	89.71	0.75	12,239.69	642.44	1,022.84	732.46	0.59	0.55	-0.23	
12,858.00	89.76	1.28	12,240.13	737.42	1,024.52	827.20	0.56	0.05	0.56	
12,953.00	91.03	3.21	12,239.47	832.34	1,028.24	922.07	2.43	1.34	2.03	
13,046.00	91.47	3.48	12,237.44	925.16	1,033.67	1,015.00	0.56	0.47	0.29	
13,141.00	91.60	2.77	12,234.90	1,019.98	1,038.84	1,109.90	0.76	0.14	-0.75	
13,236.00	90.51	0.75	12,233.15	1,114.92	1,041.76	1,204.71	2.42	-1.15	-2.13	
13,331.00	89.67	358.29	12,233.00	1,209.90	1,040.96	1,299.23	2.74	-0.88	-2.59	
13,425.00	89.41	359.78	12,233.75	1,303.89	1,039.38	1,392.69	1.61	-0.28	1.59	
13,519.00	89.58	358.73	12,234.58	1,397.87	1,038.16	1,486.18	1.13	0.18	-1.12	
13,614.00	89.23	356.36	12,235.57	1,492.77	1,034.09	1,580.32	2.52	-0.37	-2.49	
13,708.00	88.57	355.92	12,237.37	1,586.54	1,027.76	1,673.13	0.84	-0.70	-0.47	
13,802.00	88.35	358.47	12,239.90	1,680.39	1,023.17	1,766.17	2.72	-0.23	2.71	
13,896.00	90.46	0.66	12,240.88	1,774.37	1,022.45	1,859.70	3.24	2.24	2.33	
13,991.00	89.32	359.43	12,241.06	1,869.36	1,022.53	1,954.31	1.77	-1.20	-1.29	
14,085.00	88.97	359.87	12,242.46	1,963.35	1,021.95	2,047.86	0.60	-0.37	0.47	
14,178.00	90.11	0.31	12,243.21	2,056.35	1,022.10	2,140.49	1.31	1.23	0.47	
14,273.00	90.77	359.43	12,242.48	2,151.34	1,021.88	2,235.07	1.16	0.69	-0.93	
14,366.00	90.77	358.38	12,241.23	2,244.32	1,020.11	2,327.50	1.13	0.00	-1.13	
14,461.00	89.93	358.29	12,240.65	2,339.27	1,017.35	2,421.82	0.89	-0.88	-0.09	
14,555.00	89.80	359.10	12,240.87	2,433.25	1,015.21	2,515.21	0.87	-0.14	0.86	
14,648.00	90.29	359.26	12,240.80	2,526.24	1,013.87	2,607.70	0.55	0.53	0.17	
14,742.00	90.24	358.73	12,240.36	2,620.22	1,012.23	2,701.15	0.57	-0.05	-0.56	
14,836.00	91.30	359.70	12,239.10	2,714.20	1,010.94	2,794.63	1.53	1.13	1.03	
14,929.00	90.59	358.91	12,237.57	2,807.18	1,009.81	2,887.12	1.14	-0.76	-0.85	
15,029.00	89.89	358.73	12,237.15	2,907.16	1,007.75	2,986.50	0.72	-0.70	-0.18	
15,123.00	89.27	358.99	12,237.84	3,001.14	1,005.88	3,079.92	0.72	-0.66	0.28	
15,218.00	89.67	359.87	12,238.71	3,096.13	1,004.94	3,174.44	1.02	0.42	0.93	
15,312.00	90.24	0.40	12,238.79	3,190.13	1,005.16	3,268.07	0.83	0.61	0.56	
15,407.00	90.37	0.05	12,238.28	3,285.12	1,005.53	3,362.71	0.39	0.14	-0.37	
15,501.00	90.33	359.52	12,237.71	3,379.12	1,005.18	3,456.29	0.57	-0.04	-0.56	
15,595.00	89.19	359.52	12,238.10	3,473.12	1,004.39	3,549.83	1.21	-1.21	0.00	
15,690.00	90.24	0.49	12,238.58	3,568.11	1,004.40	3,644.43	1.50	1.11	1.02	
15,784.00	90.29	0.49	12,238.14	3,662.11	1,005.20	3,738.11	0.05	0.05	0.00	
15,879.00	90.42	0.40	12,237.55	3,757.10	1,005.94	3,832.79	0.17	0.14	-0.09	
15,973.00	90.68	0.14	12,236.65	3,851.10	1,006.38	3,926.43	0.39	0.28	-0.28	



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well #17H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Site:	Red Hills West Unit	MD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Well:	#17H	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)
16,068.00	90.33	359.08	12,235.81	3,946.09	1,005.74	4,020.98	1.17	-0.37	-1.12
16,163.00	89.27	358.20	12,236.14	4,041.06	1,003.48	4,115.35	1.45	-1.12	-0.93
16,257.00	88.88	357.94	12,237.66	4,134.99	1,000.32	4,208.61	0.50	-0.41	-0.28
16,351.00	89.32	358.64	12,239.14	4,228.94	997.51	4,301.92	0.88	0.47	0.74
16,446.00	89.27	358.55	12,240.31	4,323.90	995.18	4,396.28	0.11	-0.05	-0.09
16,541.00	89.14	358.20	12,241.62	4,418.86	992.49	4,490.60	0.39	-0.14	-0.37
16,636.00	89.19	358.64	12,243.01	4,513.81	989.87	4,584.93	0.47	0.05	0.46
16,731.00	89.19	358.64	12,244.35	4,608.77	987.62	4,679.29	0.00	0.00	0.00
16,826.00	89.23	358.64	12,245.66	4,703.74	985.36	4,773.66	0.04	0.04	0.00
16,920.00	89.19	358.73	12,246.96	4,797.70	983.20	4,867.05	0.10	-0.04	0.10
17,016.00	89.32	359.52	12,248.21	4,893.68	981.74	4,962.50	0.83	0.14	0.82
17,111.00	89.67	0.49	12,249.04	4,988.68	981.75	5,057.11	1.09	0.37	1.02
17,205.00	90.15	0.58	12,249.19	5,082.68	982.62	5,150.79	0.52	0.51	0.10
17,300.00	89.71	0.66	12,249.31	5,177.67	983.65	5,245.49	0.47	-0.46	0.08
17,395.00	90.90	0.93	12,248.80	5,272.66	984.97	5,340.21	1.28	1.25	0.28
17,490.00	90.81	0.66	12,247.38	5,367.64	986.29	5,434.92	0.30	-0.09	-0.28
17,585.00	91.08	0.66	12,245.82	5,462.62	987.38	5,529.61	0.28	0.28	0.00
17,680.00	91.60	0.40	12,243.60	5,557.59	988.26	5,624.26	0.61	0.55	-0.27
17,774.00	90.95	359.70	12,241.50	5,651.56	988.34	5,717.86	1.02	-0.69	-0.74
17,869.00	90.55	359.17	12,240.26	5,746.55	987.41	5,812.37	0.70	-0.42	-0.56
17,964.00	90.86	359.52	12,239.09	5,841.54	986.32	5,906.87	0.49	0.33	0.37
18,059.00	91.25	359.26	12,237.34	5,936.51	985.31	6,001.37	0.49	0.41	-0.27
18,153.00	89.49	357.15	12,236.74	6,030.46	982.36	6,094.66	2.92	-1.87	-2.24
18,248.00	87.87	355.48	12,238.92	6,125.23	976.26	6,188.49	2.45	-1.71	-1.76
18,343.00	88.57	356.27	12,241.87	6,219.94	969.43	6,282.18	1.11	0.74	0.83
18,437.00	88.57	357.67	12,244.22	6,313.77	964.46	6,375.19	1.49	0.00	1.49
18,532.00	88.70	358.64	12,246.48	6,408.70	961.41	6,469.44	1.03	0.14	1.02
18,628.00	90.07	0.14	12,247.51	6,504.68	960.38	6,564.94	2.12	1.43	1.56
18,722.00	89.23	0.31	12,248.09	6,598.68	960.75	6,658.58	0.91	-0.89	0.18
18,815.00	88.57	0.22	12,249.87	6,691.66	961.18	6,751.22	0.72	-0.71	-0.10
18,907.00	89.14	0.84	12,251.71	6,783.63	962.03	6,842.89	0.92	0.62	0.67
18,999.00	89.14	0.93	12,253.09	6,875.61	963.46	6,934.62	0.10	0.00	0.10
19,091.00	90.59	1.28	12,253.31	6,967.59	965.23	7,026.39	1.62	1.58	0.38
19,184.00	90.64	0.49	12,252.31	7,060.58	966.67	7,119.12	0.85	0.05	-0.85
19,276.00	90.46	0.31	12,251.43	7,152.57	967.31	7,210.79	0.28	-0.20	-0.20
19,368.00	90.02	0.58	12,251.04	7,244.57	968.02	7,302.47	0.56	-0.48	0.29
19,461.00	90.68	0.84	12,250.48	7,337.56	969.18	7,395.19	0.76	0.71	0.28
19,553.00	92.18	1.01	12,248.18	7,429.51	970.66	7,486.90	1.64	1.63	0.18
19,645.00	90.15	359.87	12,246.31	7,521.48	971.37	7,578.56	2.53	-2.21	-1.24
19,732.00	86.29	359.17	12,249.01	7,608.42	970.64	7,665.07	4.51	-4.44	-0.80
19,825.00	86.99	358.55	12,254.46	7,701.24	968.79	7,757.34	1.00	0.75	-0.67
19,917.00	87.25	358.73	12,259.08	7,793.10	966.61	7,848.62	0.34	0.28	0.20
20,009.00	87.96	359.26	12,262.93	7,885.01	965.00	7,940.01	0.96	0.77	0.58
20,101.00	90.15	359.87	12,264.45	7,976.98	964.30	8,031.54	2.47	2.38	0.66



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well #17H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Site:	Red Hills West Unit	MD Reference:	RKB=27 @ 3246.00usft (Patterson 562)
Well:	#17H	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)
20,193.00	89.71	0.14	12,264.56	8,068.98	964.31	8,123.16	0.56	-0.48	0.29
20,286.00	90.42	1.10	12,264.45	8,161.98	965.31	8,215.87	1.28	0.76	1.03
20,378.00	90.55	1.01	12,263.67	8,253.96	967.01	8,307.62	0.17	0.14	-0.10
20,470.00	90.64	0.31	12,262.72	8,345.95	968.07	8,399.33	0.77	0.10	-0.76
20,563.00	90.68	358.82	12,261.65	8,438.94	967.36	8,491.87	1.60	0.04	-1.60
20,655.00	90.59	358.82	12,260.63	8,530.91	965.47	8,583.30	0.10	-0.10	0.00
20,747.00	91.16	359.43	12,259.22	8,622.89	964.06	8,674.77	0.91	0.62	0.66
20,839.00	91.25	357.32	12,257.29	8,714.83	961.45	8,766.09	2.30	0.10	-2.29
20,932.00	91.16	356.36	12,255.33	8,807.66	956.33	8,858.08	1.04	-0.10	-1.03
21,024.00	90.99	356.53	12,253.61	8,899.47	950.63	8,948.99	0.26	-0.18	0.18
21,116.00	91.12	356.36	12,251.91	8,991.28	944.92	9,039.91	0.23	0.14	-0.18
21,208.00	91.20	357.76	12,250.05	9,083.13	940.20	9,130.96	1.52	0.09	1.52
21,301.00	91.43	0.66	12,247.91	9,176.09	938.92	9,223.42	3.13	0.25	3.12
21,393.00	90.86	1.01	12,246.08	9,268.06	940.26	9,315.13	0.73	-0.62	0.38
21,485.00	91.38	1.19	12,244.28	9,360.03	942.03	9,406.88	0.60	0.57	0.20
21,577.00	90.86	1.54	12,242.48	9,451.98	944.22	9,498.66	0.68	-0.57	0.38
21,670.00	90.95	359.34	12,241.01	9,544.96	944.93	9,591.32	2.37	0.10	-2.37
21,762.00	91.65	358.82	12,238.92	9,636.93	943.46	9,682.77	0.95	0.76	-0.57
21,854.00	89.67	358.64	12,237.86	9,728.89	941.42	9,774.17	2.16	-2.15	-0.20
21,947.00	89.63	358.64	12,238.43	9,821.87	939.21	9,866.56	0.04	-0.04	0.00
22,039.00	89.85	358.55	12,238.85	9,913.84	936.96	9,957.95	0.26	0.24	-0.10
22,131.00	90.20	358.64	12,238.81	10,005.81	934.70	10,049.34	0.39	0.38	0.10
22,223.00	90.15	359.34	12,238.53	10,097.79	933.08	10,140.80	0.76	-0.05	0.76
22,316.00	90.51	359.43	12,237.99	10,190.79	932.08	10,233.32	0.40	0.39	0.10
22,408.00	90.86	359.17	12,236.89	10,282.77	930.96	10,324.83	0.47	0.38	-0.28
22,500.00	90.73	359.17	12,235.62	10,374.75	929.62	10,416.31	0.14	-0.14	0.00
22,557.00	90.55	359.17	12,234.98	10,431.74	928.80	10,472.99	0.32	-0.32	0.00
Last AEP Survey									
22,590.00	90.55	359.17	12,234.66	10,464.74	928.32	10,505.81	0.00	0.00	0.00
PTB @ 22590'									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,142.00	1,139.68	11.63	22.88	First AEP Survey
22,557.00	12,234.98	10,431.74	928.80	Last AEP Survey
22,590.00	12,234.66	10,464.74	928.32	PTB @ 22590'

Checked By: _____	Approved By: _____	Date: _____
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ALTITUDE ENERGY PARTNERS LLC. SURVEY DATA CERTIFICATION

ALTITUDE JOB NUMBER	AEP 20030	OPERATOR	MEWBOURNE OIL COMPANY
WELL NAME	RED HILLS WEST UNIT 17H	COUNTY & STATE	LEA COUNTY, NM
API WELL NUMBER	30-025-46910	PROPOSED DIRECTION	5.20
Latitude	32.050694	Longitude	-10.667310

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
1030	1029.73	7.42	56.71	2.55	3.97	GYRO
FIRST	FIRST				SURVEY INSTRUMENT	
SURVEY	SURVEY				TYPE	
DATE	DEPTH	INCLIN	AZIMUTH		MWD	
6/27/20	1142	14.29	68.34	MAGNETIC DECLINATION OR TOTAL GRID		
LAST	LAST			TOTAL CORRECTION USED		6.2
SURVEY	SURVEY			DECLINATION OR GRID		GRID
DATE	DEPTH	INCLIN	AZIMUTH			
7/27/20	22557	90.55	359.17			
PROJECTED	PROJECTED					
TD SURVEY	TD SURVEY					
DATE	DEPTH	INCLIN	AZIMUTH			
7/27/20	22590	90.55	359.17			

The data and calculations for this survey have been checked by me and conform to the calibration standards and operational procedures set forth by Altitude Energy Partners LLC. I am authorized and qualified to review the data, calculations and this report, and that the report represents a true and correct Directional Survey of this well based on the original data corrected to True North and obtained at the well site. Wellbore coordinates are calculated using Minimum curvature or other method.

Tom Aaker

PRINT MWD NAME ABOVE

Tom Aaker

SIGN MWD NAME ABOVE

7/27/20

TODAY'S DATE

Intent ☐ As Drilled ☒

API # 30-025-46910		
Operator Name: Mewbourne Oil Company	Property Name: Red Hills West Unit	Well Number 017H

Kick Off Point (KOP)

UL C	Section 3	Township 26S	Range 32E	Lot	Feet 63	From N/S S	Feet 2253	From E/W W	County Lea
Latitude 32.0504385					Longitude -103.6640683			NAD 83	

First Take Point (FTP)

UL N	Section 3	Township 26S	Range 32E	Lot	Feet 526	From N/S S	Feet 2266	From E/W W	County Lea
Latitude 32.0517110					Longitude -103.6640229			NAD 83	

Last Take Point (LTP)

UL C	Section 10	Township 26S	Range 32E	Lot	Feet 136	From N/S N	Feet 2297	From E/W W	County Lea
Latitude 32.6793087					Longitude -103.6641034			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 # 30-025-46904		
Operator Name: Mewbourne O. & Co.	Property Name: Red Hills West Unit	Well Number # 010H

KZ 06/29/2018

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM105559

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No. NMNM125386A		
2. Name of Operator MEWBOURNE OIL COMPANY			Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com		
3. Address PO BOX 5270 HOBBS, NM 88241			3a. Phone No. (include area code) Ph: 575-393-5905		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 10 T26S R32E Mer SWSW 150FSL 1250FWL At top prod interval reported below Sec 10 T26S R32E Mer NMP SESW 526FSL 2266FWL At total depth Sec 3 T26S R32E Mer NMP NENW 87FNL 2266FWL			8. Lease Name and Well No. RED HILLS WEST UNIT 017H		
14. Date Spudded 06/24/2020			15. Date T.D. Reached 07/27/2020		
16. Date Completed ☐ D & A ☒ Ready to Prod. 11/20/2020			9. API Well No. 30-025-46910		
18. Total Depth: MD 22590 TVD 12235			19. Plug Back T.D.: MD 22549 TVD 12235		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory UPPER WOLFCAMP		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) EXEMPT FROM LOGGING			11. Sec., T., R., M., or Block and Survey or Area Sec 10 T26S R32E Mer		
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)			12. County or Parish LEA		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3219 GL			14. Date Spudded 06/24/2020		

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	840		700	203	0	
12.250	9.625 HCL80	40.0	0	4520		1125	409	0	
8.750	7.625 HCP110	39.0	0	11638		564	201	4220	
6.125	4.500 HCP110	13.5	11386	22590		1072	283	0	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11796	22590	12496 TO 22541	0.500	2916	OPEN
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
12496 TO 22541	26,155,878 GALS PW SLICKWATER CARRYING 24,982,765# LOCAL 100 MESH SAND

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/20/2020	11/30/2020	24	→	1079.0	3455.0	4923.0		0.81	FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
34/64	SI	4000.0	→	1079	3455	4923	3202	POW	

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #541014 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

**29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD****30. Summary of Porous Zones (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WOLFCAMP	11796	22590	WATER, OIL & GAS	RUSTLER	876
				TOP OF SALT	1198
				BASE OF SALT	4320
				DELAWARE	4545
				BELL CANYON	4605
				CHERRY CANYON	5583
				BRUSHY CANYON	7145
				BONE SPRING	8649

**32. Additional remarks (include plugging procedure):
Additional Tops: Wolfcamp 11796**

exempt from logging

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #541014 Verified by the BLM Well Information System.
For MEWBOURNE OIL COMPANY, sent to the Hobbs**

Name (please print) JACKIE LATHAN Title REGULATORY

Signature (Electronic Submission) Date 12/16/2020

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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 18220

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241	OGRID:	14744	Action Number:	18220	Action Type:	C-104C
OCD Reviewer									Condition
plmartinez									None