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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

Form C-104
Revised August 1, 2011

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 / 03/15/2021
⁴ API Number 30 – 015-46922	⁵ Pool Name Purple Sage; Bone Spring (Gas)	⁶ Pool Code 98220
⁷ Property Code 327341	⁸ Property Name Pale Rider 8/5 W1PA State 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
P	8	25S	28E		260	South	1270	East	Eddy

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
A	5	25S	28E		330	North	325	East	Eddy
¹² Lse Code S	¹³ Producing Method Code Gas Lift		¹⁴ Gas Connection Date 03/15/2021		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
371960	Lucid Energy Group 3100 McKinnon Suite 800 Dallas, TX 75201	G
	Oryx Delaware Oil 4000 N Big Spring Suite 400 Midland, TX 79705	O

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

²¹ Spud Date 10/15/2020	²² Ready Date 03/15/2021	²³ TD 19629'	²⁴ PBTB 19591'	²⁵ Perforations 9707' - 19576'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17 ½"		13 ¾" 54.5# J55		460'	520
12 ¼"		9 ⅝" 40# HCL80		2425'	550
8 ¾"		7" 29# HCP110		9695'	805
6 ⅞"		4 ½" 13.5# HCP110		8898' - 19629'	750

V. Well Test Data

³¹ Date New Oil 03/15/2021	³² Gas Delivery Date 03/15/2021	³³ Test Date 03/22/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2180
³⁷ Choke Size 29/64"	³⁸ Oil 916	³⁹ Water 3270	⁴⁰ Gas 2095		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 Approved by: Kurt Simmons
Printed name: Jackie Lathan	Title: NMOCD, Santa Fe
Title: Regulatory	Approval Date: 07/16/2021
E-mail Address: jlathan@mewbourne.com	
Date: 04/28/2021	Phone: 575-393-5905

Received by OCD: 4/29/2021 11:03:53 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

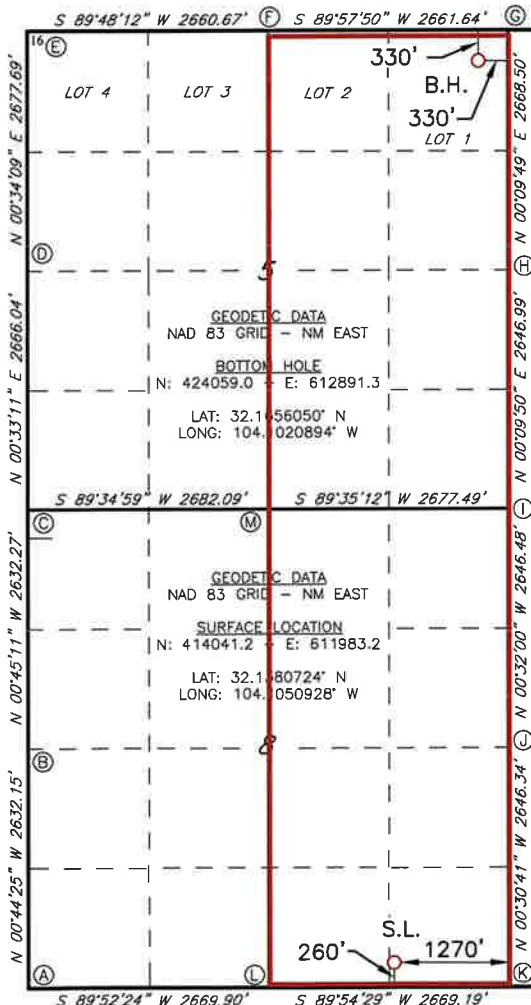
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46922		² Pool Code 98220		³ Pool Name Purple Sage; Wolfcamp (Gas)					
⁴ Property Code 327341		⁵ Property Name PALE RIDER 8/5 W1PA STATE COM						⁶ Well Number 1H	
⁷ GRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3011'	
¹⁰ Surface Location									
UL or lot no. P	Section 8	Township 25S	Range 28E	Lot Idn	Feet from the 260	North/South line SOUTH	Feet From the 1270	East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. A	Section 5	Township 25S	Range 28E	Lot Idn	Feet from the 330	North/South line NORTH	Feet from the 325	East/West line EAST	County EDDY
¹² Dedicated Acres 641.17		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.



CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1940"
N: 413773.3 - E: 607917.3

B: FOUND BRASS CAP "1940"
N: 416404.6 - E: 607883.3

C: FOUND BRASS CAP "1940"
N: 419036.1 - E: 607848.7

D: FOUND BRASS CAP "1940"
N: 421701.4 - E: 607874.5

E: FOUND BRASS CAP "1940"
N: 424378.3 - E: 607901.1

F: FOUND BRASS CAP "1940"
N: 424387.5 - E: 610561.1

G: FOUND BRASS CAP "1940"
N: 424389.2 - E: 613222.2

H: FOUND BRASS CAP "1940"
N: 421721.3 - E: 613214.5

I: FOUND BRASS CAP "1940"
N: 419074.9 - E: 613207.0

J: FOUND BRASS CAP "1940"
N: 416429.1 - E: 613231.6

K: FOUND BRASS CAP "1940"
N: 413783.4 - E: 613255.2

L: FOUND BRASS CAP "1940"
N: 413779.2 - E: 610586.6

M: FOUND BRASS CAP "1940"
N: 419055.6 - E: 610530.2

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: 04/28/2021

Printed Name: Jackie Lathan

E-mail Address: jathan@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.

11-08-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



Job No: LS19111078

Plan #1



Project: Eddy Co., NM (NAD 83)
 Site: Pale Rider 8-5
 Well: W1PA State Com #1H
 Wellbore: OH
 Design: Plan #1
 Lat: 32.138072
 Long: -104.105093
 GL: 3011.00
 KB: KB=28 @ 3039.00usft (Patterson 575)



WELL DETAILS: W1PA State Com #1H

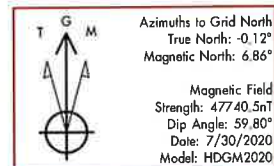
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	414041.20	611983.20	32.138072	-104.105093

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PR 8-5 W1PA St Com #1H BB Poin#966.06	-248.32	941.90	413792.88	612925.10	Point	
PR 8-5 W1PA St Com #1H PBHL 9604.00	10017.80	908.10	424059.00	612891.30	Point	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
550.00	0.00	0.00	550.00	0.00	0.00	0.00	0.00	0.00	Build 1.5"/100'
1015.71	6.99	104.77	1014.56	-7.23	27.42	1.50	104.77	-4.72	7542' Hold
8558.65	6.99	104.77	8501.50	-241.09	914.48	0.00	0.00	-157.56	Drop 1.5"/100'
9024.36	0.00	0.00	8966.06	-248.32	941.90	1.50	180.00	-162.28	Build 10"/100'
9920.52	89.62	359.81	9539.00	320.80	940.03	10.00	359.81	404.34	9697' Hold
19617.79	89.62	359.81	9604.00	10017.80	908.10	0.00	0.00	10058.87	TD at 19617.79

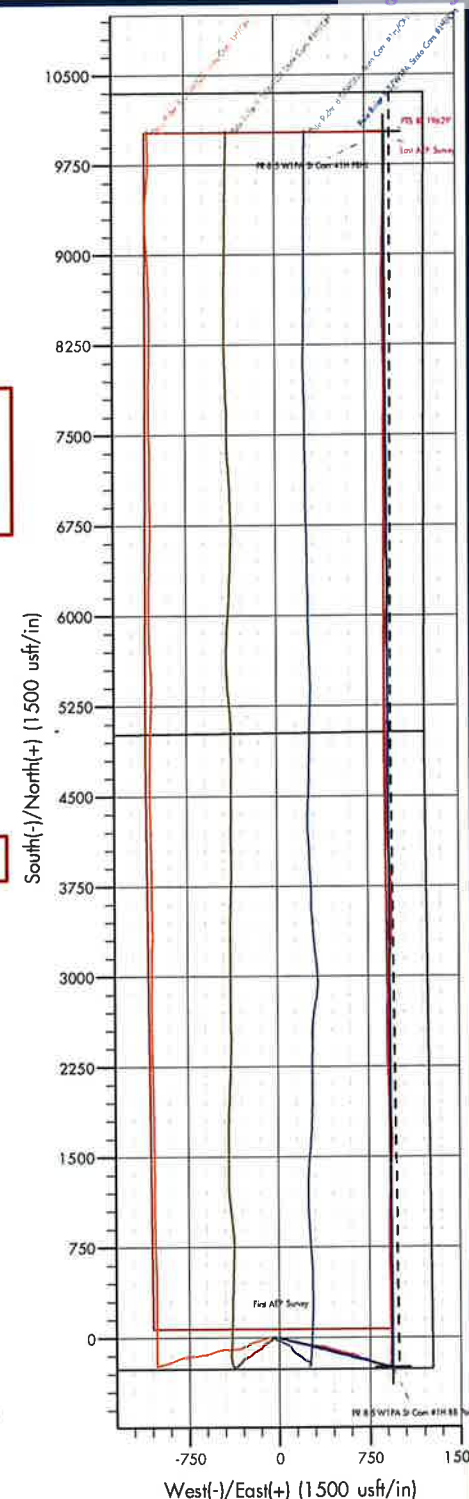
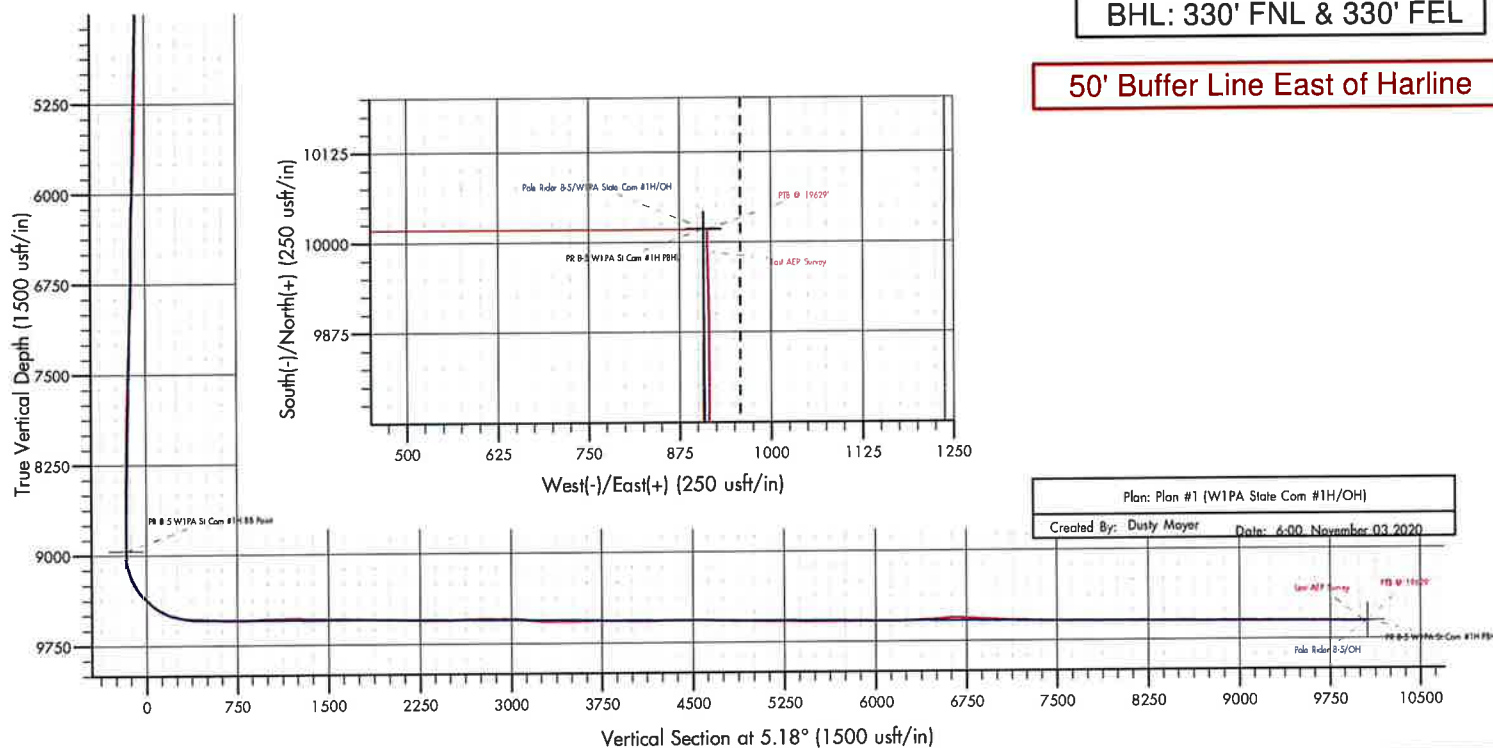


330' FSL Hard Line
 330' FNL Hard Line
 330' FEL Hard Line
 2310' FEL Hard Line

Pale Rider 8-5 W1PA State
 Com #1H
 SHL: 260' FSL & 1270' FEL

Pale Rider 8-5 W1PA State
 Com #1H
 BHL: 330' FNL & 330' FEL

50' Buffer Line East of Harline



Plan: Plan #1 (W1PA State Com #1H/OH)

Created By: Dusty Mayer Date: 6:00 November 03 2020



Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Pale Rider 8-5

W1PA State Com #1H

OH

Design: OH

Standard Survey Report

03 November, 2020





Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1PA State Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Site:	Pale Rider 8-5	MD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Well:	W1PA State Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000,1 Single User Db

Project	Eddy 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	Pale Rider 8-5				
Site Position:		Northing:	414,041.20 usft	Latitude:	32.138073
From:	Map	Easting:	611,893.20 usft	Longitude:	-104.105384
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	W1PA State Com #1H					
Well Position	+N/-S	0.00 usft	Northing:	414,041.20 usft	Latitude:	32.138072
	+E/-W	0.00 usft	Easting:	611,983.20 usft	Longitude:	-104.105093
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,011.00 usft
Grid Convergence:		0.12 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	7/30/2020	6.98	59.80	47,740.50000000

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	5.18	

Survey Program	Date	11/3/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	406.00	Surface (OH)	GYRO-NS	OWSG Gyrocompass Gyro	
542.00	19,629.00	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	
100.00	0.24	55.12	100.00	0.12	0.17	0.13	0.24	0.24	0.00	
200.00	0.48	49.66	200.00	0.51	0.66	0.57	0.24	0.24	-5.46	
300.00	0.46	44.31	299.99	1.07	1.26	1.18	0.05	-0.02	-5.35	
406.00	0.29	12.09	405.99	1.64	1.62	1.78	0.25	-0.16	-30.40	
542.00	1.85	114.96	541.97	1.05	3.68	1.37	1.42	1.15	75.64	
First AEP Survey										
663.00	4.18	115.31	662.79	-1.66	9.44	-0.81	1.93	1.93	0.29	
807.00	6.37	110.74	806.17	-6.74	21.65	-4.75	1.55	1.52	-3.17	



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1PA State Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Site:	Pale Rider 8-5	MD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Well:	W1PA State 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)	ΔN/S (usft)	ΔE/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Bull's Rate (°/100usft)	Turn Rate (°/100usft)
892.00	6.29	106.43	890.66	-9.72	30.53	-6.93	0.57	-0.09	-5.07
1,083.00	7.78	95.62	1,080.22	-13.95	53.43	-9.07	1.04	0.78	-5.66
1,274.00	7.47	111.62	1,269.55	-19.79	77.84	-12.68	1.12	-0.16	8.38
1,464.00	6.15	110.12	1,458.21	-27.84	98.88	-18.80	0.70	-0.69	-0.79
1,655.00	6.68	99.14	1,648.02	-33.13	119.46	-22.21	0.70	0.28	-5.75
1,844.00	7.38	98.52	1,835.60	-36.67	142.32	-23.67	0.37	0.37	-0.33
2,033.00	7.69	103.97	2,022.97	-41.52	166.59	-26.31	0.41	0.16	2.88
2,221.00	8.57	105.90	2,209.08	-48.40	192.27	-30.84	0.49	0.47	1.03
2,377.00	7.21	102.74	2,363.60	-53.74	213.00	-34.29	0.91	-0.87	-2.03
2,509.00	6.24	101.77	2,494.69	-57.03	228.10	-36.21	0.74	-0.73	-0.73
2,697.00	8.53	101.42	2,681.12	-61.88	251.77	-38.89	1.22	1.22	-0.19
2,886.00	8.13	99.49	2,868.12	-66.85	278.70	-41.42	0.26	-0.21	-1.02
3,075.00	7.38	97.90	3,055.39	-70.73	303.90	-43.00	0.41	-0.40	-0.84
3,267.00	6.55	95.97	3,245.97	-73.56	327.01	-43.74	0.45	-0.43	-1.01
3,457.00	8.62	89.64	3,434.31	-74.60	352.03	-42.51	1.17	1.09	-3.33
3,645.00	9.32	104.23	3,620.03	-78.25	380.87	-43.55	1.26	0.37	7.76
3,835.00	8.53	108.80	3,807.73	-86.58	409.13	-49.29	0.56	-0.42	2.41
4,024.00	7.30	107.48	3,994.93	-94.70	433.85	-55.15	0.66	-0.65	-0.70
4,213.00	6.68	108.19	4,182.52	-101.74	455.75	-60.18	0.33	-0.33	0.38
4,402.00	6.68	107.57	4,370.24	-108.49	476.67	-65.01	0.04	0.00	-0.33
4,589.00	5.71	108.19	4,556.14	-114.68	495.88	-69.44	0.52	-0.52	0.33
4,778.00	6.95	104.41	4,743.99	-120.46	515.89	-73.39	0.69	0.66	-2.00
4,966.00	5.36	103.35	4,930.90	-125.31	535.45	-76.46	0.85	-0.85	-0.56
5,154.00	7.91	101.33	5,117.62	-129.88	556.68	-79.10	1.36	1.36	-1.07
5,344.00	6.73	103.09	5,306.07	-134.97	580.34	-82.03	0.63	-0.62	0.93
5,532.00	6.20	100.28	5,492.88	-139.28	601.06	-84.45	0.33	-0.28	-1.49
5,720.00	6.64	110.91	5,679.70	-144.97	621.20	-88.30	0.67	0.23	5.65
5,910.00	6.73	115.75	5,868.41	-153.73	641.49	-95.19	0.30	0.05	2.55
6,101.00	6.33	116.89	6,058.17	-163.35	660.96	-103.02	0.22	-0.21	0.60
6,292.00	6.02	115.48	6,248.07	-172.43	679.40	-110.39	0.18	-0.16	-0.74
6,483.00	4.57	94.56	6,438.26	-177.34	696.03	-113.78	1.25	-0.76	-10.95
6,674.00	5.76	93.95	6,628.48	-178.60	713.17	-113.49	0.62	0.62	-0.32
6,866.00	7.69	110.21	6,819.17	-183.71	734.84	-116.62	1.40	1.01	8.47
7,057.00	6.24	123.83	7,008.77	-193.90	755.46	-124.91	1.15	-0.76	7.13
7,248.00	5.85	112.93	7,198.71	-203.47	773.05	-132.85	0.63	-0.20	-5.71
7,344.00	7.96	107.40	7,294.01	-207.37	783.90	-135.75	2.30	2.20	-5.76
7,440.00	9.58	107.48	7,388.89	-211.76	797.86	-138.86	1.69	1.69	0.08
7,631.00	9.54	108.19	7,577.23	-221.47	828.06	-145.81	0.07	-0.02	0.37
7,822.00	8.62	107.84	7,765.84	-230.80	856.72	-152.51	0.48	-0.48	-0.18
8,013.00	8.22	100.63	7,954.79	-237.70	883.77	-156.95	0.59	-0.21	-3.77
8,205.00	7.74	103.97	8,144.93	-243.35	909.80	-160.22	0.35	-0.25	1.74
8,396.00	2.73	116.01	8,335.07	-248.46	926.39	-163.81	2.67	-2.62	6.30
8,586.00	1.05	124.97	8,524.96	-251.44	931.88	-166.28	0.90	-0.88	4.72



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1PA State Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Site:	Pale Rider 8-5	MD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Well:	W1PA State 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)
8,777.00	0.18	311.65	8,715.96	-252.24	933.09	-166.98	0.64	-0.46	-90.74
8,939.00	0.97	232.73	8,877.95	-252.90	931.81	-167.75	0.59	0.49	-48.72
9,051.00	4.13	352.00	8,989.86	-249.48	930.49	-164.46	4.18	2.82	106.49
9,098.00	9.41	352.26	9,036.51	-244.00	929.74	-159.06	11.23	11.23	0.55
9,146.00	13.71	352.61	9,083.53	-234.46	928.48	-149.68	8.96	8.96	0.73
9,193.00	19.34	2.28	9,128.58	-221.15	928.07	-136.46	13.29	11.98	20.57
9,242.00	22.37	8.08	9,174.37	-203.80	929.70	-119.04	7.48	6.18	11.84
9,289.00	25.45	3.16	9,217.33	-184.86	931.52	-100.01	7.80	6.55	-10.47
9,337.00	29.19	359.91	9,259.97	-162.85	932.07	-78.04	8.39	7.79	-6.77
9,384.00	34.29	359.20	9,299.93	-138.13	931.87	-53.44	10.88	10.85	-1.51
9,433.00	38.86	359.29	9,339.27	-108.94	931.48	-24.41	9.33	9.33	0.18
9,480.00	43.12	1.23	9,374.74	-78.13	931.64	6.30	9.46	9.06	4.13
9,528.00	47.74	1.84	9,408.42	-43.95	932.57	40.42	9.67	9.63	1.27
9,576.00	54.59	1.40	9,438.50	-6.60	933.62	77.71	14.29	14.27	-0.92
9,624.00	60.00	359.20	9,464.43	33.77	933.80	117.93	11.91	11.27	-4.58
9,671.00	67.25	357.53	9,485.29	75.83	932.58	159.71	15.75	15.43	-3.55
9,701.00	69.80	357.71	9,496.27	103.72	931.43	187.38	8.52	8.50	0.60
9,748.00	73.76	358.68	9,510.97	148.33	930.02	231.69	8.65	8.43	2.06
9,797.00	80.31	359.91	9,521.96	196.05	929.44	279.16	13.59	13.37	2.51
9,844.00	85.54	359.47	9,527.74	242.68	929.19	325.57	11.17	11.13	-0.94
9,893.00	87.43	359.12	9,530.75	291.58	928.59	374.22	3.92	3.86	-0.71
9,988.00	88.00	0.26	9,534.53	386.50	928.07	468.71	1.34	0.60	1.20
10,084.00	86.64	359.12	9,539.02	482.39	927.56	564.16	1.85	-1.42	-1.19
10,179.00	87.16	358.68	9,544.16	577.23	925.74	658.45	0.72	0.55	-0.46
10,275.00	88.88	358.06	9,547.48	673.13	923.01	753.71	1.90	1.79	-0.65
10,370.00	94.73	358.50	9,544.49	768.00	920.16	847.94	6.18	6.16	0.46
10,466.00	93.67	0.87	9,537.45	863.73	919.63	943.23	2.70	-1.10	2.47
10,562.00	92.00	2.10	9,532.71	959.58	922.12	1,038.91	2.16	-1.74	1.28
10,657.00	89.67	1.93	9,531.32	1,054.50	925.46	1,133.75	2.46	-2.45	-0.18
10,753.00	90.37	2.28	9,531.29	1,150.44	928.98	1,229.61	0.82	0.73	0.36
10,848.00	87.38	1.23	9,533.15	1,245.36	931.89	1,324.41	3.34	-3.15	-1.11
10,944.00	87.74	0.26	9,537.24	1,341.27	933.14	1,420.03	1.08	0.38	-1.01
11,040.00	89.63	1.23	9,539.44	1,437.23	934.39	1,515.71	2.21	1.97	1.01
11,135.00	90.68	2.98	9,539.19	1,532.16	937.88	1,610.57	2.15	1.11	1.84
11,206.00	89.19	1.40	9,539.27	1,603.10	940.59	1,681.47	3.06	-2.10	-2.23
11,301.00	88.48	357.62	9,541.20	1,698.06	939.78	1,775.97	4.05	-0.75	-3.98
11,396.00	88.53	357.53	9,543.68	1,792.94	935.76	1,870.10	0.11	0.05	-0.09
11,491.00	88.44	356.74	9,546.19	1,887.79	931.01	1,964.13	0.84	-0.09	-0.83
11,587.00	88.26	357.80	9,548.95	1,983.64	926.44	2,059.18	1.12	-0.19	1.10
11,682.00	88.40	357.53	9,551.72	2,078.52	922.57	2,153.32	0.32	0.15	-0.28
11,778.00	88.88	357.53	9,554.00	2,174.41	918.44	2,248.44	0.50	0.50	0.00
11,874.00	89.23	359.56	9,555.58	2,270.36	916.00	2,343.78	2.15	0.36	2.11
11,969.00	89.54	358.85	9,556.60	2,365.34	914.68	2,438.26	0.82	0.33	-0.75
12,065.00	93.93	358.85	9,553.70	2,461.25	912.76	2,533.61	4.57	4.57	0.00



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1PA State Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Site:	Pale Rider 8-5	MD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Well:	W1PA State 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)
12,161.00	93.93	359.73	9,547.12	2,557.02	911.57	2,628.87	0.91	0.00	0.92
12,256.00	90.73	0.61	9,543.26	2,651.93	911.85	2,723.42	3.49	-3.37	0.93
12,352.00	88.04	1.40	9,544.29	2,747.90	913.54	2,819.15	2.92	-2.80	0.82
12,447.00	90.46	2.37	9,545.53	2,842.83	916.66	2,913.98	2.74	2.55	1.02
12,542.00	88.31	2.63	9,546.55	2,937.73	920.80	3,008.86	2.28	-2.26	0.27
12,638.00	84.40	2.63	9,552.65	3,033.42	925.20	3,104.55	4.07	-4.07	0.00
12,733.00	82.73	3.69	9,563.30	3,127.67	930.40	3,198.89	2.08	-1.76	1.12
12,825.00	87.65	2.72	9,571.01	3,219.17	935.52	3,290.48	5.45	5.35	-1.05
12,921.00	91.65	1.84	9,571.60	3,315.07	939.34	3,386.34	4.27	4.17	-0.92
13,016.00	90.42	1.49	9,569.88	3,410.02	942.10	3,481.14	1.35	-1.29	-0.37
13,112.00	91.16	0.26	9,568.56	3,505.99	943.57	3,576.86	1.50	0.77	-1.28
13,207.00	90.81	359.64	9,566.92	3,600.98	943.48	3,671.45	0.75	-0.37	-0.65
13,303.00	90.42	359.56	9,565.89	3,696.97	942.81	3,766.99	0.41	-0.41	-0.08
13,399.00	89.58	357.80	9,565.89	3,792.94	940.60	3,862.37	2.03	-0.88	-1.83
13,494.00	88.92	356.57	9,567.14	3,887.82	935.94	3,956.43	1.47	-0.69	-1.29
13,590.00	89.49	356.74	9,568.47	3,983.64	930.34	4,051.36	0.62	0.59	0.18
13,686.00	90.59	357.62	9,568.40	4,079.52	925.61	4,146.43	1.47	1.15	0.92
13,781.00	90.64	358.06	9,567.38	4,174.45	922.03	4,240.64	0.47	0.05	0.46
13,877.00	89.71	358.06	9,567.09	4,270.39	918.78	4,335.90	0.97	-0.97	0.00
13,973.00	89.98	358.24	9,567.35	4,366.34	915.68	4,431.18	0.34	0.28	0.19
14,068.00	90.20	358.76	9,567.20	4,461.31	913.20	4,525.53	0.59	0.23	0.55
14,163.00	89.58	359.47	9,567.38	4,556.30	911.73	4,620.00	0.99	-0.65	0.75
14,259.00	88.92	358.85	9,568.64	4,652.28	910.32	4,715.46	0.94	-0.69	-0.65
14,355.00	88.70	358.50	9,570.63	4,748.23	908.10	4,810.82	0.43	-0.23	-0.36
14,450.00	88.70	358.76	9,572.79	4,843.18	905.83	4,905.18	0.27	0.00	0.27
14,546.00	89.32	359.03	9,574.45	4,939.15	903.98	5,000.59	0.70	0.65	0.28
14,641.00	88.92	358.50	9,575.91	5,034.11	901.93	5,094.98	0.70	-0.42	-0.56
14,737.00	89.27	359.73	9,577.42	5,130.09	900.45	5,190.43	1.33	0.36	1.28
14,833.00	89.41	359.29	9,578.53	5,226.08	899.63	5,285.95	0.48	0.15	-0.46
14,928.00	89.54	359.29	9,579.40	5,321.07	898.45	5,380.45	0.14	0.14	0.00
15,024.00	89.45	358.41	9,580.24	5,417.04	896.53	5,475.86	0.92	-0.09	-0.92
15,120.00	89.63	359.20	9,581.02	5,513.02	894.52	5,571.26	0.84	0.19	0.82
15,215.00	90.15	1.49	9,581.20	5,608.01	895.10	5,665.92	2.47	0.55	2.41
15,311.00	90.07	2.98	9,581.01	5,703.93	898.84	5,761.79	1.55	-0.08	1.55
15,406.00	90.37	3.25	9,580.65	5,798.79	904.00	5,856.73	0.42	0.32	0.28
15,502.00	89.54	3.25	9,580.72	5,894.64	909.44	5,952.67	0.86	-0.86	0.00
15,598.00	89.67	3.42	9,581.39	5,990.47	915.03	6,048.62	0.22	0.14	0.18
15,693.00	90.29	3.95	9,581.42	6,085.27	921.14	6,143.58	0.86	0.65	0.56
15,787.00	92.09	3.42	9,579.47	6,179.06	927.18	6,237.53	2.00	1.91	-0.56
15,883.00	92.04	359.91	9,576.01	6,274.94	929.96	6,333.27	3.65	-0.05	-3.66
15,978.00	93.05	357.27	9,571.79	6,369.81	927.63	6,427.54	2.97	1.06	-2.78
16,077.00	94.64	354.81	9,565.15	6,468.34	920.81	6,525.05	2.95	1.61	-2.48
16,173.00	91.30	354.02	9,560.17	6,563.74	911.48	6,619.22	3.57	-3.48	-0.82



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1PA State Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Site:	Pale Rider 8-5	MD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Well:	W1PA State 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)
16,268.00	88.48	355.78	9,560.36	6,658.35	903.04	6,712.68	3.50	-2.97	1.85
16,363.00	86.86	0.08	9,564.22	6,753.18	899.61	6,806.82	4.83	-1.71	4.53
16,459.00	86.99	3.69	9,569.37	6,848.98	902.76	6,902.51	3.76	0.14	3.76
16,554.00	88.00	4.13	9,573.52	6,943.66	909.23	6,997.39	1.16	1.06	0.46
16,650.00	87.60	1.49	9,577.21	7,039.47	913.93	7,093.23	2.78	-0.42	-2.75
16,746.00	87.65	359.82	9,581.19	7,135.38	915.03	7,188.85	1.74	0.05	-1.74
16,841.00	88.75	359.47	9,584.17	7,230.33	914.44	7,283.36	1.22	1.16	-0.37
16,937.00	88.40	358.68	9,586.56	7,326.28	912.89	7,378.78	0.90	-0.36	-0.82
17,033.00	88.53	358.85	9,589.13	7,422.23	910.82	7,474.15	0.22	0.14	0.18
17,128.00	89.63	358.85	9,590.66	7,517.19	908.92	7,568.55	1.16	1.16	0.00
17,224.00	89.71	359.47	9,591.21	7,613.18	907.51	7,664.02	0.65	0.08	0.65
17,320.00	89.67	359.47	9,591.73	7,709.18	906.62	7,759.54	0.04	-0.04	0.00
17,414.00	89.41	358.85	9,592.48	7,803.16	905.24	7,853.02	0.72	-0.28	-0.66
17,510.00	89.80	359.38	9,593.15	7,899.15	903.76	7,948.48	0.69	0.41	0.55
17,605.00	89.67	359.38	9,593.59	7,994.14	902.73	8,042.99	0.14	-0.14	0.00
17,701.00	89.41	359.29	9,594.36	8,090.13	901.62	8,138.49	0.29	-0.27	-0.09
17,796.00	89.54	359.47	9,595.23	8,185.12	900.59	8,233.00	0.23	0.14	0.19
17,891.00	89.80	359.38	9,595.77	8,280.12	899.64	8,327.52	0.29	0.27	-0.09
17,987.00	89.27	358.59	9,596.55	8,376.10	897.94	8,422.96	0.99	-0.55	-0.82
18,083.00	89.36	358.59	9,597.70	8,472.06	895.58	8,518.32	0.09	0.09	0.00
18,178.00	89.93	359.38	9,598.29	8,567.04	893.89	8,612.76	1.03	0.60	0.83
18,274.00	89.85	359.03	9,598.47	8,663.03	892.56	8,708.24	0.37	-0.08	-0.36
18,370.00	90.07	359.99	9,598.54	8,759.03	891.74	8,803.77	1.03	0.23	1.00
18,465.00	89.45	0.87	9,598.94	8,854.02	892.45	8,898.44	1.13	-0.65	0.93
18,561.00	89.58	1.05	9,599.75	8,950.01	894.06	8,994.17	0.23	0.14	0.19
18,656.00	89.45	1.66	9,600.56	9,044.98	896.31	9,088.96	0.66	-0.14	0.64
18,752.00	90.07	1.40	9,600.96	9,140.94	898.87	9,184.76	0.70	0.65	-0.27
18,848.00	89.67	1.14	9,601.18	9,236.92	901.00	9,280.54	0.50	-0.42	-0.27
18,943.00	90.20	1.58	9,601.28	9,331.89	903.25	9,375.33	0.73	0.56	0.46
19,039.00	89.36	1.49	9,601.65	9,427.85	905.82	9,471.13	0.88	-0.88	-0.09
19,134.00	89.63	1.58	9,602.49	9,522.81	908.37	9,565.93	0.30	0.28	0.09
19,230.00	89.27	1.66	9,603.41	9,618.77	911.08	9,661.75	0.38	-0.38	0.08
19,326.00	89.80	1.84	9,604.19	9,714.72	914.01	9,757.57	0.58	0.55	0.19
19,421.00	89.32	359.99	9,604.92	9,809.70	915.53	9,852.30	2.01	-0.51	-1.95
19,517.00	89.80	359.38	9,605.66	9,905.70	915.00	9,947.85	0.81	0.50	-0.64
19,598.00	89.54	358.41	9,606.12	9,986.68	913.44	10,028.37	1.24	-0.32	-1.20
Last AEP Survey									
19,629.00	89.54	358.41	9,606.37	10,017.67	912.58	10,059.15	0.00	0.00	0.00
PTB @ 19629'									



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1PA State Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Site:	Pale Rider 8-5	MD Reference:	KB=28 @ 3039.00usft (Patterson 575)
Well:	W1PA State Com #1H	North Reference:	Grid
Wellbores:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
542.00	541.97	1.05	3.68	First AEP Survey
19,598.00	9,606.12	9,986.68	913.44	Last AEP Survey
19,629.00	9,606.37	10,017.67	912.58	PTB @ 19629'

Checked By: _____ Approved By: _____ Date: _____

Intent ☐ As Drilled ☒

API # 30-015-46922		
Operator Name: Mewbourne Oil Co.	Property Name: Pale Rider 8/5 W1PA State Com	Well Number 1H

Kick Off Point (KOP)

UL P	Section 8	Township 25S	Range 28E	Lot	Feet 8	From N/S S	Feet 337	From E/W E	County EDDY
Latitude 32.1373733705					Longitude -104.1020799389				NAD 83

First Take Point (FTP)

UL P	Section 8	Township 25S	Range 28E	Lot	Feet 367	From N/S S	Feet 339	From E/W E	County EDDY
Latitude 32.1383623057					Longitude -104.1020831942				NAD 83

Last Take Point (LTP)

UL A	Section 5	Township 25S	Range 28E	Lot	Feet 330	From N/S N	Feet 330	From E/W E	County EDDY
Latitude 32.1656046123					Longitude -104.1020749345				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ NIs this well an infill well? ☐ Y

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-46916		
Operator Name: MEWBOURNE OIL CO.	Property Name: Pale Rider 8/5 W10B State Com	Well Number 1H

KZ 06/29/2018

Submit 1 Copy To Appropriate District Office

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

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-46922
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Pale Rider 8/5 W1PA St Com
8. Well Number 1H
9. OGRID Number 14744
10. Pool name or Wildcat Purple Sage; Wolfcamp (Gas)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3011' GL

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
Mewbourne Oil Company

3. Address of Operator
PO Box 5270, Hobbs NM 88241

4. Well Location

Unit Letter P: 260 feet from the South line and 1270 feet from the East line
Section 8 Township 25S Range 28E NMPM Eddy County

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: Completion Sundry ☒

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

03/03/2021 Frac Horizontal Wolfcamp from 9707' MD to 19576' MD w/25,911,270 gals SW, carrying 25,032,506# local 100 mesh sand. Flowback well for cleanup.

03/02/2021 Drill out frac plugs to PBTD @ 19591'

03/15/2021 Put well on production.

Formation Top Bottom Descriptions, Contents, etc.

Name Top Wolfcamp 9296' - 19629' WATER, OIL & GAS

Castile 928', Base of salt 2255', Delaware Lamar 2475', Bell Canyon 2507', Cherry Canyon 3345', Manzanita Marker 3506', Brushy Canyon 4539', Bone Spring 6141', 1st Bone Spring 7042', 2nd Bone Spring 7893', 3rd Bone Spring 8901', Wolfcamp 9296'.

Spud Date: 10/15/2020

Rig Release Date: 11/05/2020

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

SIGNATURE Jackie Lathan TITLE Regulatory DATE 04/28/2021

Type or print name Jackie Lathan E-mail address: jlathan@mewbourne.com PHONE: 575-393-5905

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Released to Imaging: 7/16/2021 1:32:25 PM

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Bell Canyon 2507'	T. Ojo Alamo	T. Penn A"
T. Salt	T. Brushy Canyon 4539'	T. Kirtland	T. Penn. "B"
B. Salt 2255'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Manzanita Marker 3506'	Base Greenhorn	T. Granite
T. Blinebry	T. Delaware Lamar 2475	T. Dakota	
T. Tubb	T. Bone Spring 6141'	T. Morrison	
T. Drinkard	T. 1 st Bone Springs 7042'	T. Todilto	
T. Abo	T. 2 nd Bone Spring 7893'	T. Entrada	
T. Wolfcamp 9296'	T. 3 rd Bone Spring 8901'	T. Wingate	
T. Penn	T. Castile 928'	T. Chinle	
T. Cisco (Bough C)	T. Cherry Canyon 3345'	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....
 No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
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Mewbourne Oil Company

Well Name: Pale Rider 8/5 W1PA St Com #1H

Updated by: Landon Stallings

Spud Date: 10/15/2020

Date Updated: 4/20/2021

Surface

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

Set @ 460'

Cmt w/ 520 sx

Circ. 263 sx to pit

Intermediate

12 1/4" x 9 3/4" 40# HCL80

Set @ 2425'

Cmt w/ 550 sx

Circ. 70 sx to pit

Production

8 3/4" x 7" 29# HCP110

Set @ 9695'

Cmt w/ 805 sx

Circ. 102 sx to pit

Liner

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

Set @ 8898' - 19,629'

TOC @ 8898'

KOP @ 8939'

Dev @ KOP: 0.97°

TVD @ 9606'

TD 6 1/8" hole @ 19,629'

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 26272

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 26272
	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.

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CONDITIONS

Action 26272

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 26272
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	Submit completion/frac sundry.	7/16/2021