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Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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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

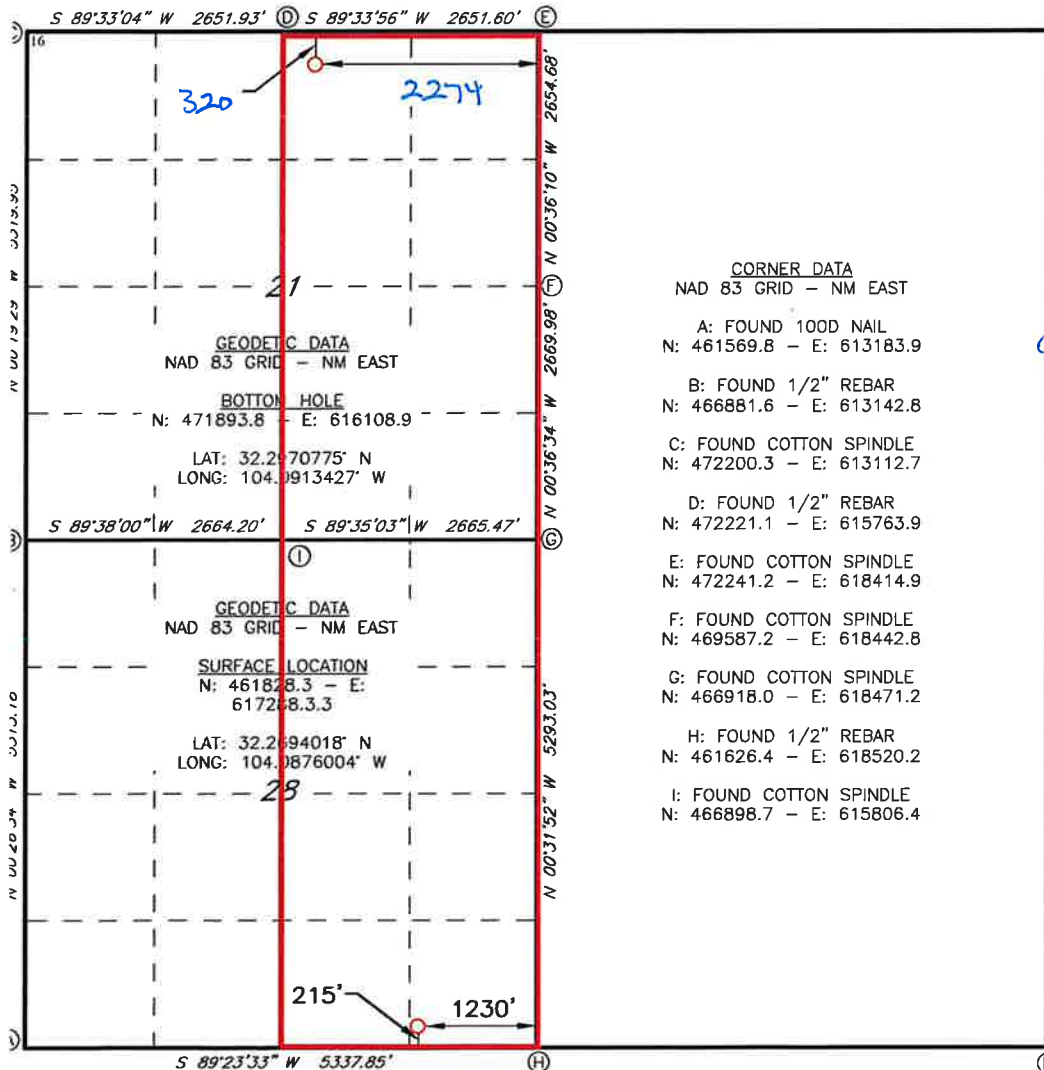
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46352		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)					
⁴ Property Code 326189		⁵ Property Name STARSHIP 28/21 WOOB FEE						⁶ Well Number 2H	
⁷ GRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3063'	
¹⁰ Surface Location									
UL or lot no. P	Section 28	Township 23S	Range 28E	Lot Idn	Feet from the 215	North/South line SOUTH	Feet From the 1230	East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. B	Section 21	Township 23S	Range 28E	Lot Idn	Feet from the 320'	North/South line NORTH	Feet from the 2274'	East/West line EAST	County EDDY
¹² Dedicated Acres 640		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

¹⁷ OPERATOR CERTIFICATION

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

Signature: Jackie Lathan Date: 10/29/2020

Printed Name: Jackie Lathan

E-mail Address: jlathan@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.

9-20-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number

Job No: LS19090919

Intent ☐ As Drilled ☒

API # 30-015-46352			
Operator Name: Mewbourne Oil Company		Property Name: Starship 28/21 W00B Fee	Well Number 2H

Kick Off Point (KOP)

UL 0	Section 28	Township 23S	Range 28E	Lot	Feet 11	From N/S S	Feet 1481	From E/W E	County Eddy
Latitude 32.2688283					Longitude -104.0900214			NAD 83	

First Take Point (FTP)

UL 0	Section 28	Township 23S	Range 28E	Lot	Feet 340	From N/S S	Feet 2107	From E/W E	County Eddy
Latitude 32.2697274					Longitude -104.0904383			NAD 83	

Last Take Point (LTP)

UL B	Section 21	Township 23S	Range 28E	Lot	Feet 382	From N/S N	Feet 2254	From E/W E	County Eddy
Latitude 32.2969356					Longitude -104.0912195			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 # 30-015-46353			
Operator Name: Mewbourne Oil Co		Property Name: Starship 28/21 W00B Fee	Well Number 1H



Mewbourne Oil Company

Patterson 244

Starship 28-21 W00B Fee #2H (AEP19244)

2019-10-30 to 2019-12-23

Eddy, New Mexico, US (32.27, -104.09)

Job Type
Directional



MEWBOURNE
OIL COMPANY

Site: Jerschip -24-21
Well: W008 Fee #2H
Wellbore: OH
Design: Plan #1
Lot: 32.269402
Long: -104.087600
GL: 3063.00
KB: RKB=28' @ 3091.00usf (Patterson 244)



WELL DETAILS: W008 Fee #2H

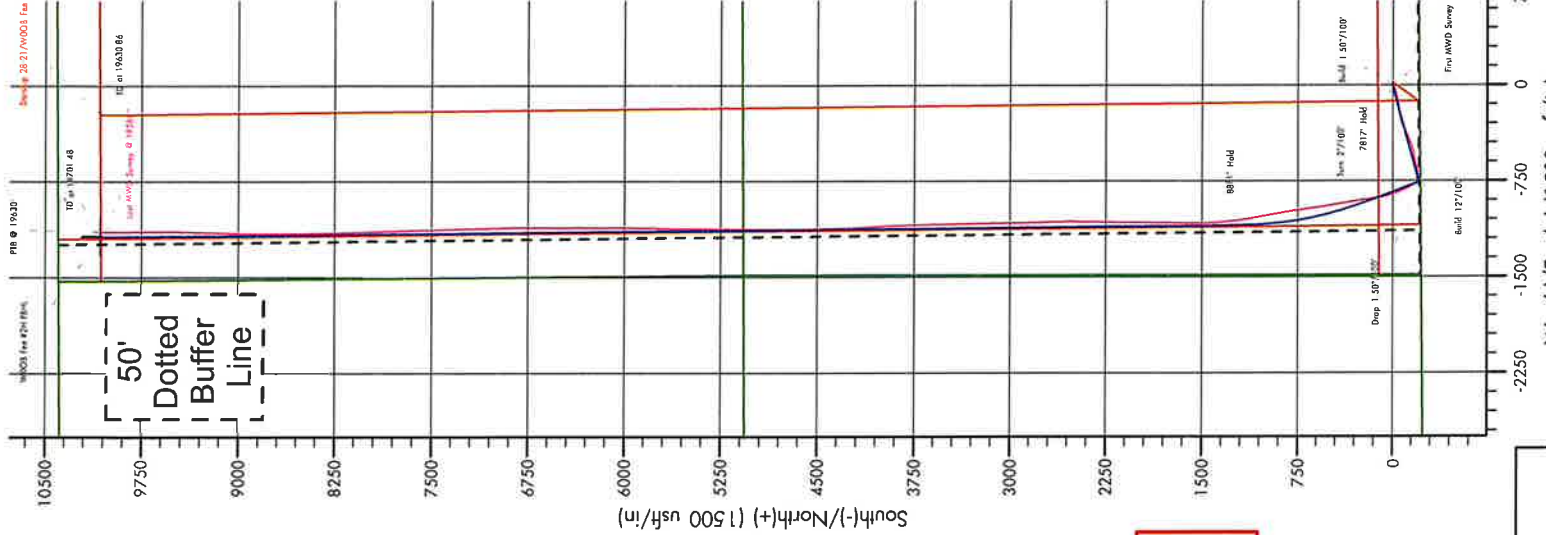
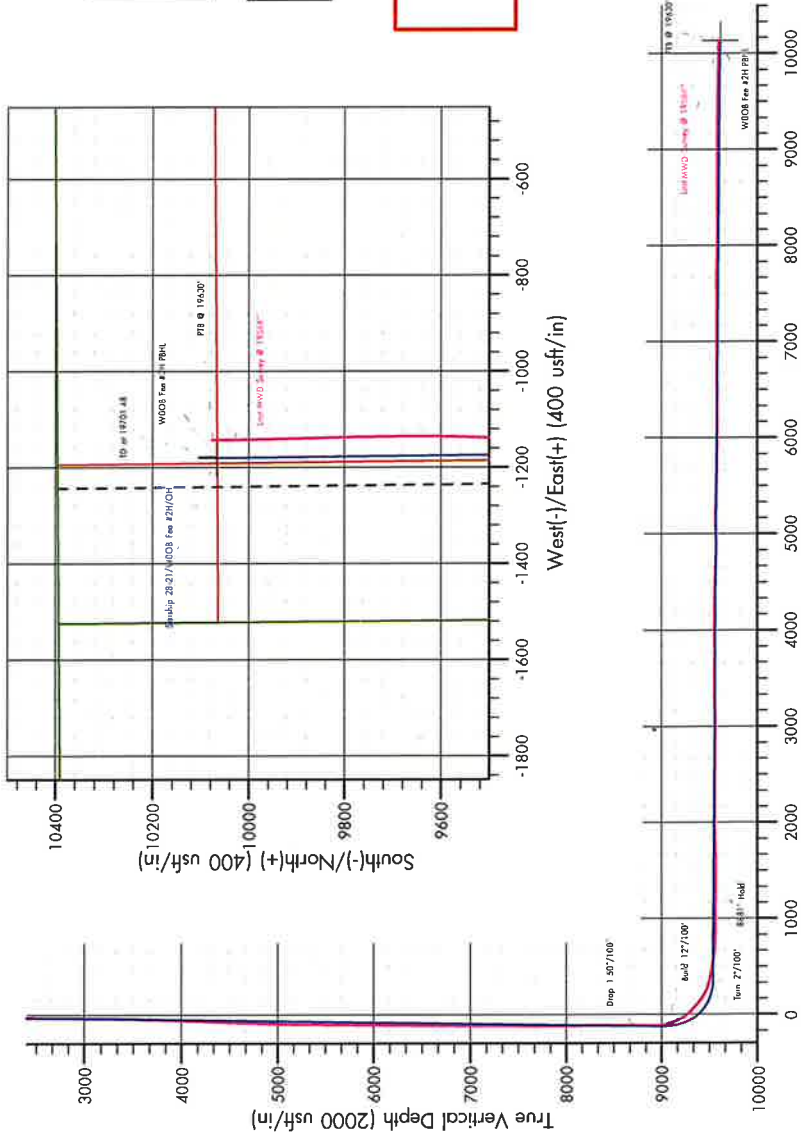
	+N/-S	+E/-W	Northing	Eastng	Latitude	Longitude
+N/-S	0.00	0.00	461828.30	617288.30	32.269402	-104.087600

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Eastng	Shape
W008 Fee #2H PBHL	9616.00	10065.50	-1179.40	471893.80	616108.90	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	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 1.50°/100'
916.69	5.50	254.25	916.12	-4.78	-16.93	1.50	254.25	-2.77	7817' Hold
8733.98	5.50	254.25	8697.43	-208.22	-738.07	0.00	0.00	-120.92	Drop 1.50°/100'
9100.67	0.00	0.00	9063.55	-213.00	-755.00	1.50	180.00	-123.70	Build 12°/100'
9847.00	89.56	339.95	9541.00	232.08	-917.44	12.00	339.95	337.27	Turn 2°/100'
10820.93	89.56	359.43	9548.51	1185.64	-1090.91	2.00	90.06	1304.54	8881' Hold
19701.48	89.56	359.43	9616.00	10065.50	-1179.40	0.00	0.00	10134.36	TD at 19701.48





MEWBOURNE
OIL COMPANY

Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Starship 28-21

W00B Fee #2H

OH

Design: OH

Standard Survey Report

20 December, 2019



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W00B Fee #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3091.00usft (Patterson 244)
Site:	Starship 28-21	MD Reference:	RKB=28' @ 3091.00usft (Patterson 244)
Well:	W00B Fee #2H	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	Starship 28-21				
Site Position:		Northing:	461,828.60 usft	Latitude:	32.269402
From:	Map	Easting:	617,318.30 usft	Longitude:	-104.087504
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.13 °

Well	W00B Fee #2H					
Well Position	+N/-S	0.00 usft	Northing:	461,828.30 usft	Latitude:	32.269402
	+E/-W	0.00 usft	Easting:	617,288.30 usft	Longitude:	-104.087601
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,063.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	10/23/19	7.08	59.98	47,853.70000000

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	353.32	

Survey Program	Date	12/20/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
176.00	19,630.00	MWD Survey (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
176.00	0.80	168.99	175.99	-1.21	0.23	-1.23	0.45	0.45	0.00
First MWD Survey									
376.00	1.10	147.99	375.97	-4.20	1.52	-4.35	0.23	0.15	-10.50
551.00	0.70	142.99	550.95	-6.48	3.05	-6.79	0.23	-0.23	-2.86
618.00	0.56	192.95	617.94	-7.13	3.23	-7.46	0.82	-0.21	74.57
709.00	1.39	269.86	708.93	-7.56	2.02	-7.75	1.51	0.91	84.52
773.00	2.38	257.04	772.90	-7.86	-0.05	-7.81	1.67	1.55	-20.03
867.00	4.81	240.47	866.71	-10.25	-5.38	-9.55	2.79	2.59	-17.63
960.00	5.51	242.23	959.33	-14.25	-12.72	-12.67	0.77	0.75	1.89
1,054.00	6.30	241.95	1,052.83	-18.78	-21.27	-16.17	0.84	0.84	-0.30

Company: Mewbourne Oil Company
Project: Eddy Co., NM (NAD 83)
Site: Starship 28-21
Well: W00B Fee #2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well W00B Fee #2H
TVD Reference: RKB=28' @ 3091.00usft (Patterson 244)
MD Reference: RKB=28' @ 3091.00usft (Patterson 244)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
1,148.00	6.31	247.71	1,146.26	-23.16	-30.60	-19.44	0.67	0.01	6.13
1,242.00	6.12	251.79	1,239.71	-26.69	-40.14	-21.83	0.51	-0.20	4.34
1,335.00	6.49	254.36	1,332.15	-29.65	-49.91	-23.64	0.50	0.40	2.76
1,429.00	6.71	257.11	1,425.52	-32.31	-60.38	-25.07	0.41	0.23	2.93
1,522.00	6.70	251.22	1,517.89	-35.27	-70.81	-26.79	0.74	-0.01	-6.33
1,616.00	6.89	261.32	1,611.23	-37.88	-81.58	-28.14	1.29	0.20	10.74
1,708.00	6.77	267.43	1,702.58	-38.96	-92.45	-27.94	0.80	-0.13	6.64
1,801.00	5.90	265.57	1,795.01	-39.57	-102.69	-27.36	0.96	-0.94	-2.00
1,895.00	5.09	264.10	1,888.58	-40.38	-111.66	-27.11	0.87	-0.86	-1.56
1,989.00	4.87	258.52	1,982.22	-41.60	-119.72	-27.39	0.57	-0.23	-5.94
2,083.00	5.35	257.66	2,075.85	-43.33	-127.91	-28.16	0.52	0.51	-0.91
2,176.00	4.72	255.25	2,168.49	-45.23	-135.84	-29.12	0.71	-0.68	-2.59
2,269.00	4.69	258.86	2,261.18	-46.94	-143.27	-29.95	0.32	-0.03	3.88
2,364.00	4.35	255.07	2,355.88	-48.62	-150.57	-30.77	0.48	-0.36	-3.99
2,442.00	5.78	265.18	2,433.58	-49.71	-157.34	-31.07	2.15	1.83	12.96
2,561.00	5.59	260.86	2,551.99	-51.13	-169.03	-31.12	0.39	-0.16	-3.63
2,655.00	5.12	260.07	2,645.58	-52.58	-177.68	-31.56	0.51	-0.50	-0.84
2,747.00	6.27	258.46	2,737.13	-54.30	-186.65	-32.22	1.26	1.25	-1.75
2,840.00	7.61	259.37	2,829.44	-56.45	-197.68	-33.07	1.45	1.44	0.98
2,934.00	7.54	261.22	2,922.62	-58.54	-209.89	-33.73	0.27	-0.07	1.97
3,028.00	7.37	260.61	3,015.83	-60.46	-221.93	-34.24	0.20	-0.18	-0.65
3,122.00	7.69	260.29	3,109.02	-62.51	-234.08	-34.86	0.34	0.34	-0.34
3,215.00	7.40	254.53	3,201.21	-65.16	-245.99	-36.10	0.87	-0.31	-6.19
3,308.00	7.61	262.76	3,293.42	-67.53	-257.87	-37.07	1.18	0.23	8.85
3,403.00	7.34	263.18	3,387.61	-69.04	-270.13	-37.15	0.29	-0.28	0.44
3,495.00	7.59	247.77	3,478.84	-72.04	-281.59	-38.79	2.19	0.27	-16.75
3,589.00	8.23	247.44	3,571.95	-76.97	-293.55	-42.30	0.68	0.68	-0.35
3,682.00	7.93	247.80	3,664.02	-81.95	-305.64	-45.84	0.33	-0.32	0.39
3,774.00	8.29	247.81	3,755.10	-86.85	-317.66	-49.31	0.39	0.39	0.01
3,868.00	8.07	246.19	3,848.15	-92.07	-329.97	-53.06	0.34	-0.23	-1.72
3,961.00	7.96	247.63	3,940.24	-97.16	-341.90	-56.73	0.25	-0.12	1.55
4,054.00	7.95	246.74	4,032.34	-102.15	-353.76	-60.31	0.13	-0.01	-0.96
4,149.00	8.06	244.67	4,126.42	-107.59	-365.81	-64.31	0.32	0.12	-2.18
4,242.00	7.82	245.61	4,218.53	-113.00	-377.47	-68.32	0.29	-0.26	1.01
4,336.00	6.75	243.13	4,311.77	-118.13	-388.22	-72.17	1.19	-1.14	-2.64
4,428.00	6.91	242.27	4,403.11	-123.15	-397.94	-76.03	0.21	0.17	-0.93
4,522.00	6.28	248.06	4,496.49	-127.70	-407.72	-79.41	0.97	-0.67	6.16
4,615.00	5.72	249.48	4,588.98	-131.23	-416.78	-81.86	0.62	-0.60	1.53
4,709.00	5.87	247.07	4,682.50	-134.74	-425.59	-84.32	0.30	0.16	-2.56
4,801.00	5.56	246.57	4,774.05	-138.35	-434.01	-86.92	0.34	-0.34	-0.54
4,894.00	5.10	245.87	4,866.64	-141.83	-441.92	-89.46	0.50	-0.49	-0.75
4,988.00	4.94	245.15	4,960.28	-145.24	-449.40	-91.98	0.18	-0.17	-0.77
5,082.00	4.39	247.87	5,053.97	-148.30	-456.41	-94.20	0.63	-0.59	2.89

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W00B Fee #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3091.00usft (Patterson 244)
Site:	Starship 28-21	MD Reference:	RKB=28' @ 3091.00usft (Patterson 244)
Well:	W00B Fee #2H	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)
5,175.00	5.31	249.86	5,146.64	-151.12	-463.75	-96.15	1.01	0.99	2.14
5,269.00	5.15	249.83	5,240.25	-154.07	-471.79	-98.14	0.17	-0.17	-0.03
5,361.00	5.88	254.21	5,331.82	-156.78	-480.20	-99.85	0.92	0.79	4.76
5,453.00	5.96	257.65	5,423.33	-159.08	-489.40	-101.07	0.40	0.09	3.74
5,546.00	5.52	255.78	5,515.86	-161.21	-498.45	-102.13	0.51	-0.47	-2.01
5,639.00	5.45	256.62	5,608.44	-163.33	-507.09	-103.24	0.11	-0.08	0.90
5,733.00	5.45	254.92	5,702.01	-165.53	-515.74	-104.41	0.17	0.00	-1.81
5,826.00	4.94	253.25	5,794.63	-167.83	-523.84	-105.76	0.57	-0.55	-1.80
5,920.00	4.86	252.59	5,888.29	-170.19	-531.51	-107.20	0.10	-0.09	-0.70
6,014.00	5.36	259.51	5,981.91	-172.18	-539.63	-108.24	0.84	0.53	7.36
6,107.00	5.40	261.15	6,074.50	-173.64	-548.23	-108.69	0.17	0.04	1.76
6,201.00	5.10	259.72	6,168.11	-175.07	-556.71	-109.12	0.35	-0.32	-1.52
6,295.00	4.79	260.17	6,261.76	-176.48	-564.68	-109.60	0.33	-0.33	0.48
6,389.00	5.03	264.70	6,355.41	-177.53	-572.66	-109.72	0.48	0.26	4.82
6,482.00	4.35	262.32	6,448.10	-178.38	-580.21	-109.68	0.76	-0.73	-2.56
6,576.00	4.05	257.23	6,541.85	-179.59	-586.98	-110.09	0.51	-0.32	-5.41
6,669.00	4.31	250.92	6,634.60	-181.46	-593.49	-111.19	0.57	0.28	-6.78
6,763.00	7.12	254.99	6,728.13	-184.13	-602.45	-112.80	3.02	2.99	4.33
6,856.00	5.92	252.45	6,820.52	-187.06	-612.59	-114.53	1.33	-1.29	-2.73
6,950.00	5.38	257.17	6,914.07	-189.50	-621.51	-115.92	0.76	-0.57	5.02
7,044.00	5.33	255.50	7,007.66	-191.58	-630.04	-116.99	0.17	-0.05	-1.78
7,137.00	5.20	255.52	7,100.26	-193.71	-638.30	-118.15	0.14	-0.14	0.02
7,230.00	5.00	251.95	7,192.90	-196.02	-646.23	-119.52	0.40	-0.22	-3.84
7,323.00	4.61	253.80	7,285.57	-198.32	-653.67	-120.94	0.45	-0.42	1.99
7,417.00	4.37	252.89	7,379.28	-200.43	-660.72	-122.21	0.27	-0.26	-0.97
7,510.00	3.83	248.81	7,472.04	-202.59	-667.01	-123.63	0.66	-0.58	-4.39
7,604.00	4.66	270.38	7,565.79	-203.70	-673.75	-123.95	1.90	0.88	22.95
7,699.00	4.20	272.04	7,660.51	-203.55	-681.09	-122.94	0.50	-0.48	1.75
7,792.00	3.45	269.52	7,753.30	-203.45	-687.29	-122.12	0.83	-0.81	-2.71
7,885.00	3.06	264.72	7,846.15	-203.71	-692.56	-121.76	0.51	-0.42	-5.16
7,979.00	4.10	280.09	7,939.97	-203.35	-698.37	-120.73	1.50	1.11	16.35
8,072.00	4.31	282.93	8,032.72	-201.98	-705.05	-118.60	0.32	0.23	3.05
8,166.00	4.08	284.84	8,126.46	-200.34	-711.72	-116.19	0.29	-0.24	2.03
8,258.00	3.79	281.87	8,218.25	-198.87	-717.86	-114.02	0.39	-0.32	-3.23
8,351.00	3.28	276.47	8,311.07	-197.94	-723.51	-112.44	0.65	-0.55	-5.81
8,443.00	2.90	270.43	8,402.94	-197.63	-728.45	-111.55	0.54	-0.41	-6.57
8,537.00	2.40	247.83	8,496.84	-198.35	-732.65	-111.78	1.22	-0.53	-24.04
8,630.00	2.47	249.97	8,589.75	-199.77	-736.34	-112.76	0.12	0.08	2.30
8,723.00	2.37	251.46	8,682.67	-201.07	-740.05	-113.62	0.13	-0.11	1.60
8,817.00	2.08	245.58	8,776.60	-202.39	-743.44	-114.54	0.39	-0.31	-6.26
8,910.00	2.02	247.86	8,869.54	-203.71	-746.50	-115.49	0.11	-0.06	2.45
8,949.00	2.19	246.97	8,908.51	-204.26	-747.82	-115.88	0.44	0.44	-2.28
9,028.00	3.11	298.83	8,987.44	-203.82	-751.09	-115.06	3.11	1.16	65.65

Company: Mewbourne Oil Company
Project: Eddy Co., NM (NAD 83)
Site: Starship 28-21
Well: W00B Fee #2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well W00B Fee #2H
TVD Reference: RKB=28' @ 3091.00usft (Patterson 244)
MD Reference: RKB=28' @ 3091.00usft (Patterson 244)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
9,121.00	15.76	324.05	9,079.02	-192.33	-760.75	-102.53	13.99	13.60	27.12
9,215.00	26.55	328.91	9,166.56	-163.92	-779.15	-72.17	11.62	11.48	5.17
9,308.00	38.75	333.18	9,244.73	-119.97	-803.11	-25.74	13.34	13.12	4.59
9,402.00	45.89	337.80	9,314.20	-62.38	-829.17	34.49	8.28	7.60	4.91
9,496.00	50.23	343.79	9,377.04	3.61	-852.03	102.70	6.61	4.62	6.37
9,589.00	56.13	348.96	9,432.78	75.92	-869.43	176.54	7.75	6.34	5.56
9,683.00	67.11	352.16	9,477.40	157.39	-882.85	259.01	12.06	11.68	3.40
9,716.00	71.84	352.12	9,488.97	187.99	-887.07	289.90	14.33	14.33	-0.12
9,774.00	77.91	350.43	9,504.09	243.30	-895.58	345.83	10.84	10.47	-2.91
9,867.00	78.45	350.42	9,523.14	333.06	-910.72	436.74	0.58	0.58	-0.01
9,929.00	79.48	350.28	9,535.01	393.06	-920.92	497.51	1.68	1.66	-0.23
9,959.00	80.37	350.56	9,540.26	422.18	-925.83	527.01	3.11	2.97	0.93
9,991.00	81.22	350.41	9,545.38	453.33	-931.05	558.56	2.70	2.66	-0.47
10,022.00	82.16	350.72	9,549.86	483.59	-936.08	589.20	3.19	3.03	1.00
10,054.00	82.74	350.82	9,554.06	514.91	-941.17	620.89	1.84	1.81	0.31
10,085.00	83.73	351.01	9,557.71	545.30	-946.03	651.65	3.25	3.19	0.61
10,116.00	84.78	351.27	9,560.82	575.78	-950.78	682.47	3.49	3.39	0.84
10,147.00	85.93	351.34	9,563.33	606.32	-955.45	713.35	3.72	3.71	0.23
10,179.00	87.76	352.24	9,565.09	637.94	-960.02	745.29	6.37	5.72	2.81
10,210.00	89.14	352.41	9,565.93	668.65	-964.15	776.27	4.49	4.45	0.55
10,241.00	89.55	352.13	9,566.28	699.37	-968.32	807.26	1.60	1.32	-0.90
10,287.00	90.45	352.58	9,566.28	744.96	-974.44	853.25	2.19	1.96	0.98
10,334.00	90.06	350.98	9,566.07	791.48	-981.16	900.24	3.50	-0.83	-3.40
10,427.00	90.00	350.16	9,566.02	883.22	-996.40	993.13	0.88	-0.06	-0.88
10,521.00	89.92	349.63	9,566.09	975.76	-1,012.89	1,086.96	0.57	-0.09	-0.56
10,616.00	90.14	350.07	9,566.04	1,069.27	-1,029.63	1,181.78	0.52	0.23	0.46
10,710.00	88.46	350.43	9,567.19	1,161.90	-1,045.55	1,275.64	1.83	-1.79	0.38
10,805.00	88.99	353.02	9,569.30	1,255.88	-1,059.22	1,370.57	2.78	0.56	2.73
10,898.00	88.23	355.51	9,571.56	1,348.38	-1,068.51	1,463.52	2.80	-0.82	2.68
10,991.00	88.99	356.72	9,573.81	1,441.14	-1,074.81	1,556.38	1.54	0.82	1.30
11,085.00	91.96	0.94	9,573.03	1,535.09	-1,076.73	1,649.91	5.49	3.16	4.49
11,178.00	91.18	0.56	9,570.49	1,628.04	-1,075.51	1,742.10	0.93	-0.84	-0.41
11,272.00	92.35	0.64	9,567.59	1,721.99	-1,074.53	1,835.29	1.25	1.24	0.09
11,367.00	91.96	0.63	9,564.02	1,816.92	-1,073.47	1,929.45	0.41	-0.41	-0.01
11,461.00	91.32	0.60	9,561.33	1,910.87	-1,072.47	2,022.65	0.68	-0.68	-0.03
11,554.00	89.86	0.66	9,560.37	2,003.86	-1,071.44	2,114.89	1.57	-1.57	0.06
11,647.00	90.42	0.96	9,560.14	2,096.85	-1,070.13	2,207.10	0.68	0.60	0.32
11,740.00	89.44	1.29	9,560.26	2,189.83	-1,068.30	2,299.23	1.11	-1.05	0.35
11,834.00	89.16	1.39	9,561.41	2,283.80	-1,066.10	2,392.31	0.32	-0.30	0.11
11,927.00	88.82	1.44	9,563.04	2,376.75	-1,063.81	2,484.37	0.37	-0.37	0.05
12,020.00	88.82	0.63	9,564.96	2,469.72	-1,062.13	2,576.50	0.87	0.00	-0.87
12,114.00	90.62	358.96	9,565.42	2,563.71	-1,062.47	2,669.90	2.61	1.91	-1.78
12,207.00	90.39	357.93	9,564.60	2,656.67	-1,064.99	2,762.52	1.13	-0.25	-1.11
12,301.00	87.81	357.61	9,566.08	2,750.58	-1,068.65	2,856.22	2.77	-2.74	-0.34

Company: Mewbourne Oil Company
Project: Eddy Co., NM (NAD 83)
Site: Starship 28-21
Well: W00B Fee #2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well W00B Fee #2H
TVD Reference: RKB=28' @ 3091.00usft (Patterson 244)
MD Reference: RKB=28' @ 3091.00usft (Patterson 244)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
12,395.00	90.31	358.87	9,567.62	2,844.51	-1,071.53	2,949.85	2.98	2.66	1.34
12,488.00	89.97	358.98	9,567.39	2,937.50	-1,073.28	3,042.40	0.38	-0.37	0.12
12,582.00	91.23	359.34	9,566.41	3,031.48	-1,074.65	3,135.91	1.39	1.34	0.38
12,675.00	91.71	359.34	9,564.02	3,124.44	-1,075.73	3,228.36	0.52	0.52	0.00
12,769.00	91.65	359.07	9,561.27	3,218.39	-1,077.03	3,321.83	0.29	-0.06	-0.29
12,864.00	90.76	358.97	9,559.27	3,313.36	-1,078.65	3,416.34	0.94	-0.94	-0.11
12,958.00	89.80	358.52	9,558.81	3,407.33	-1,080.71	3,509.91	1.13	-1.02	-0.48
13,051.00	87.93	358.06	9,560.65	3,500.27	-1,083.49	3,602.54	2.07	-2.01	-0.49
13,145.00	88.01	358.14	9,563.98	3,594.16	-1,086.60	3,696.16	0.12	0.09	0.09
13,238.00	91.09	359.02	9,564.71	3,687.11	-1,088.91	3,788.75	3.44	3.31	0.95
13,332.00	90.78	358.84	9,563.18	3,781.08	-1,090.66	3,882.29	0.38	-0.33	-0.19
13,426.00	91.99	357.91	9,560.90	3,875.02	-1,093.33	3,975.89	1.62	1.29	-0.99
13,520.00	91.12	356.60	9,558.35	3,968.87	-1,097.83	4,069.63	1.67	-0.93	-1.39
13,613.00	90.00	356.79	9,557.44	4,061.71	-1,103.19	4,162.46	1.22	-1.20	0.20
13,707.00	88.60	356.17	9,558.59	4,155.52	-1,108.96	4,256.31	1.63	-1.49	-0.66
13,801.00	88.82	358.05	9,560.71	4,249.38	-1,113.69	4,350.08	2.01	0.23	2.00
13,894.00	86.83	358.17	9,564.24	4,342.25	-1,116.76	4,442.68	2.14	-2.14	0.13
13,988.00	88.29	358.98	9,568.24	4,436.14	-1,119.09	4,536.20	1.78	1.55	0.86
14,082.00	87.15	357.75	9,571.98	4,530.02	-1,121.77	4,629.76	1.78	-1.21	-1.31
14,176.00	89.24	358.70	9,574.94	4,623.92	-1,124.68	4,723.36	2.44	2.22	1.01
14,269.00	89.44	358.09	9,576.01	4,716.88	-1,127.29	4,815.99	0.69	0.22	-0.66
14,362.00	89.47	0.80	9,576.90	4,809.86	-1,128.19	4,908.44	2.91	0.03	2.91
14,456.00	91.74	2.31	9,575.90	4,903.81	-1,125.64	5,001.46	2.90	2.41	1.61
14,551.00	91.18	1.21	9,573.48	4,998.74	-1,122.72	5,095.40	1.30	-0.59	-1.16
14,644.00	90.00	0.90	9,572.53	5,091.71	-1,121.01	5,187.55	1.31	-1.27	-0.33
14,739.00	88.82	1.04	9,573.50	5,186.69	-1,119.40	5,281.70	1.25	-1.24	0.15
14,832.00	88.77	0.71	9,575.46	5,279.66	-1,117.98	5,373.87	0.36	-0.05	-0.35
14,925.00	86.58	359.30	9,579.23	5,372.58	-1,117.97	5,466.15	2.80	-2.35	-1.52
15,018.00	88.94	0.30	9,582.87	5,465.50	-1,118.30	5,558.48	2.76	2.54	1.08
15,111.00	88.68	1.73	9,584.80	5,558.46	-1,116.65	5,650.62	1.56	-0.28	1.54
15,205.00	89.08	0.23	9,586.64	5,652.43	-1,115.04	5,743.76	1.65	0.43	-1.60
15,299.00	89.41	1.71	9,587.88	5,746.40	-1,113.45	5,836.91	1.61	0.35	1.57
15,392.00	89.52	0.20	9,588.74	5,839.38	-1,111.90	5,929.08	1.63	0.12	-1.62
15,485.00	89.66	1.29	9,589.41	5,932.37	-1,110.69	6,021.30	1.18	0.15	1.17
15,579.00	90.87	0.62	9,588.97	6,026.35	-1,109.13	6,114.46	1.47	1.29	-0.71
15,672.00	91.12	0.62	9,587.36	6,119.33	-1,108.12	6,206.69	0.27	0.27	0.00
15,766.00	90.14	0.12	9,586.33	6,213.32	-1,107.51	6,299.97	1.17	-1.04	-0.53
15,860.00	89.24	358.72	9,586.83	6,307.32	-1,108.46	6,393.44	1.77	-0.96	-1.49
15,953.00	90.42	0.23	9,587.11	6,400.31	-1,109.32	6,485.90	2.06	1.27	1.62
16,046.00	90.87	0.38	9,586.06	6,493.30	-1,108.82	6,578.20	0.51	0.48	0.16
16,139.00	91.32	1.83	9,584.29	6,586.26	-1,107.03	6,670.32	1.63	0.48	1.56
16,232.00	89.38	0.10	9,583.72	6,679.24	-1,105.46	6,762.49	2.79	-2.09	-1.86
16,326.00	90.28	359.02	9,584.00	6,773.23	-1,106.18	6,855.93	1.50	0.96	-1.15

Company: Mewbourne Oil Company
Project: Eddy Co., NM (NAD 83)
Site: Starship 28-21
Well: W00B Fee #2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well W00B Fee #2H
TVD Reference: RKB=28' @ 3091.00usft (Patterson 244)
MD Reference: RKB=28' @ 3091.00usft (Patterson 244)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
16,419.00	89.58	358.16	9,584.11	6,866.20	-1,108.47	6,948.53	1.19	-0.75	-0.92
16,513.00	89.22	357.99	9,585.09	6,960.15	-1,111.63	7,042.20	0.42	-0.38	-0.18
16,607.00	90.70	358.78	9,585.16	7,054.10	-1,114.28	7,135.83	1.78	1.57	0.84
16,700.00	90.73	358.23	9,584.00	7,147.07	-1,116.71	7,228.45	0.59	0.03	-0.59
16,796.00	90.14	358.64	9,583.27	7,243.03	-1,119.33	7,324.06	0.75	-0.61	0.43
16,889.00	90.53	358.50	9,582.73	7,336.00	-1,121.65	7,416.67	0.45	0.42	-0.15
16,982.00	89.83	358.60	9,582.44	7,428.96	-1,124.00	7,509.28	0.76	-0.75	0.11
17,074.00	90.73	358.60	9,581.99	7,520.94	-1,126.25	7,600.89	0.98	0.98	0.00
17,166.00	90.42	358.82	9,581.06	7,612.91	-1,128.32	7,692.48	0.41	-0.34	0.24
17,258.00	88.32	358.17	9,582.07	7,704.86	-1,130.74	7,784.09	2.39	-2.28	-0.71
17,351.00	88.46	358.05	9,584.69	7,797.78	-1,133.80	7,876.73	0.20	0.15	-0.13
17,443.00	87.42	357.49	9,587.99	7,889.65	-1,137.38	7,968.39	1.28	-1.13	-0.61
17,535.00	90.92	358.45	9,589.33	7,981.56	-1,140.64	8,060.06	3.94	3.80	1.04
17,627.00	90.31	358.44	9,588.34	8,073.52	-1,143.13	8,151.69	0.66	-0.66	-0.01
17,720.00	89.44	358.88	9,588.54	8,166.50	-1,145.31	8,244.28	1.05	-0.94	0.47
17,811.00	90.28	359.06	9,588.76	8,257.48	-1,146.94	8,334.84	0.94	0.92	0.20
17,904.00	90.39	358.35	9,588.22	8,350.46	-1,149.05	8,427.43	0.77	0.12	-0.76
17,997.00	90.56	359.11	9,587.45	8,443.43	-1,151.11	8,520.01	0.84	0.18	0.82
18,089.00	89.97	358.97	9,587.02	8,535.41	-1,152.65	8,611.55	0.66	-0.64	-0.15
18,181.00	90.00	358.42	9,587.05	8,627.39	-1,154.74	8,703.15	0.60	0.03	-0.60
18,274.00	89.86	359.72	9,587.16	8,720.38	-1,156.25	8,795.68	1.41	-0.15	1.40
18,366.00	91.06	2.03	9,586.42	8,812.35	-1,154.85	8,886.87	2.83	1.30	2.51
18,458.00	89.89	1.49	9,585.66	8,904.31	-1,152.02	8,977.86	1.40	-1.27	-0.59
18,550.00	88.80	1.04	9,586.71	8,996.28	-1,149.99	9,068.97	1.28	-1.18	-0.49
18,643.00	88.85	0.41	9,588.62	9,089.25	-1,148.82	9,161.18	0.68	0.05	-0.68
18,735.00	90.42	2.26	9,589.21	9,181.21	-1,146.67	9,252.27	2.64	1.71	2.01
18,827.00	89.83	2.39	9,589.00	9,273.14	-1,142.94	9,343.14	0.66	-0.64	0.14
18,919.00	89.19	0.74	9,589.79	9,365.10	-1,140.43	9,434.18	1.92	-0.70	-1.79
19,012.00	89.44	1.45	9,590.90	9,458.07	-1,138.65	9,526.32	0.81	0.27	0.76
19,104.00	88.82	1.73	9,592.30	9,550.03	-1,136.10	9,617.35	0.74	-0.67	0.30
19,196.00	88.99	0.10	9,594.06	9,641.99	-1,134.63	9,708.52	1.78	0.18	-1.77
19,288.00	89.24	358.79	9,595.48	9,733.98	-1,135.52	9,799.98	1.45	0.27	-1.42
19,381.00	88.57	358.86	9,597.26	9,826.94	-1,137.43	9,892.54	0.72	-0.72	0.08
19,473.00	89.36	358.83	9,598.92	9,918.91	-1,139.28	9,984.09	0.86	0.86	-0.03
19,565.00	89.30	358.72	9,599.99	10,010.88	-1,141.25	10,075.67	0.14	-0.07	-0.12
19,586.00	88.94	358.63	9,600.32	10,031.87	-1,141.73	10,096.58	1.77	-1.71	-0.43
Last MWD Survey @ 19586"									
19,620.81	88.94	358.63	9,600.96	10,066.66	-1,142.56	10,131.23	0.00	0.00	0.00
W00B Fee #2H PBHL									
19,630.00	88.94	358.63	9,601.13	10,075.85	-1,142.78	10,140.38	0.00	0.00	0.00
PTB @ 19630"									

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W00B Fee #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3091.00usft (Patterson 244)
Site:	Starship 28-21	MD Reference:	RKB=28' @ 3091.00usft (Patterson 244)
Well:	W00B Fee #2H	North Reference:	Grid
Wellbore:	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)	
176.00	175.99	-1.21	0.23	First MWD Survey
19,586.00	9,600.32	10,031.87	-1,141.73	Last MWD Survey @ 19586"
19,630.00	9,601.13	10,075.85	-1,142.78	PTB @ 19630'

Checked By: _____	Approved By: _____	Date: _____
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