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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

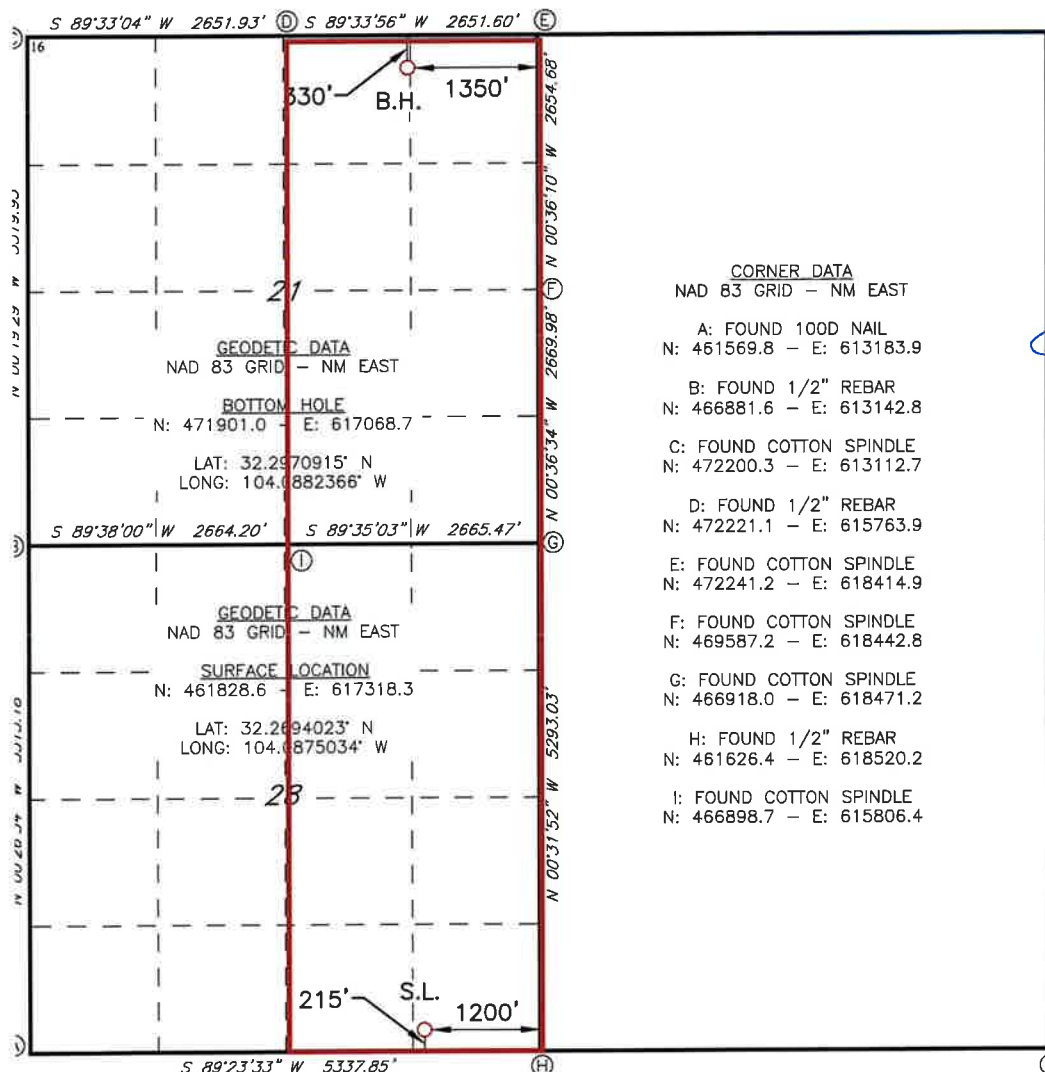
District Office

☒ AMENDED REPORT**AS DRILLED**

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46353		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 1H	
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 1200	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 322'	North/South line NORTH	Feet from the 1344'	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.

Jackie Lathan 10/29/2020
Signature Date

Jackie Lathan
Printed Name

jathan@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.

9-20-2019
Date of Survey

Signature and Seal of Professional Surveyor

19680
Certificate Number

Job No: LS19090918

Intent ☐ As Drilled ☒

API # 30-015-46353		Operator Name: Mewbourne Oil Company		Property Name: Starship 28/21 W00B Fee		Well Number 1H
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Kick Off Point (KOP)

UL 0	Section 28	Township 236	Range 28E	Lot	Feet 15	From N/S S	Feet 1361	From E/W E	County Eddy
Latitude 32.2688450					Longitude -104.0880274				NAD 83

First Take Point (FTP)

UL 0	Section 18	Township 235	Range 28E	Lot	Feet 345	From N/S S	Feet 1344	From E/W E	County Eddy
Latitude 32.2697644					Longitude -104.0879709				NAD 83

Last Take Point (LTP)

UL 13	Section 21	Township 235	Range 28E	Lot	Feet 305	From N/S N	Feet 1344	From E/W E	County Eddy
Latitude 32.2969394					Longitude -104.0882213				NAD 83

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

Is this well an infill well? ☐

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

API #		Operator Name:		Property Name:		Well Number

KZ 06/29/2018

WELLBORE TARGET DETAILS (LAT/LONG)

SECTION DETAILS

	MD	Inc	Azi	TV	+N/+S	+E/+W	Dieg	Tfrec	Vsect	Annotation
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Build 1, 507/1000
	2600.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	6172/ Hold
	2753.52	2.30	21.5 65	2753.48	-2.51	-1.80	1.50	213.65	-2.46	Drop 1, 507/1000
	8970.62	2.30	21.5 65	8970.57	-204.01	-1.46 12	0.00	0.00	-200.32	Build 12/1000
	9078.62	0.00	9073.55	9073.55	-106.02	-1.48 12	1.50	180.00	-202.79	Build 1, 507/1000
	9630.86	89.56	359.43	9551.00	267.27	-152.80	1.00	355.43	270.97	9806/ Hold
	9630.86	89.56	359.43	9551.00	10072.40	-249.50	0.00	0.00	10075.49	TD at 19630.86

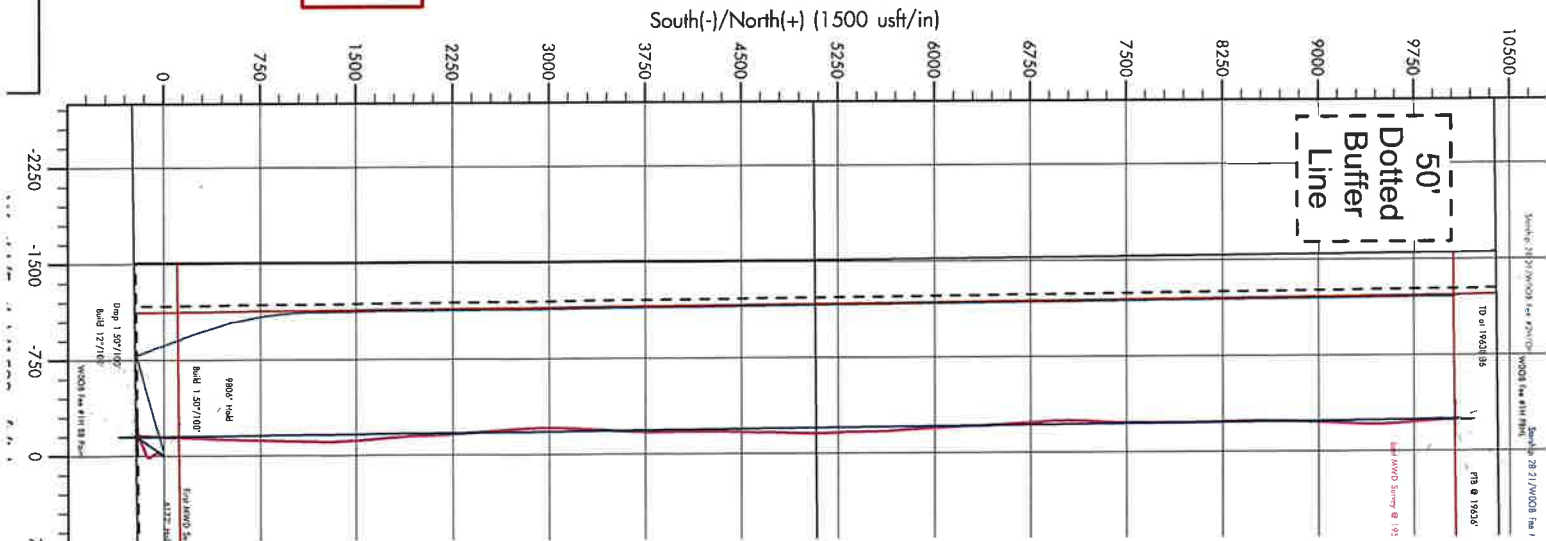
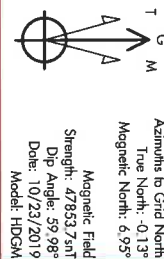


1H PBHL:
330' FNL & 1350' FEL

1H SHL:
215' FSL & 1200'
FEL

Formation Tops

No formation data is available





MEWBOURNE
OIL COMPANY

Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Starship 28-21

W00B Fee #1H

OH

Design: OH

Standard Survey Report

27 November, 2019



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W00B Fee #1H
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 #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	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 #1H					
Well Position	+N/-S	0.00 usft	Northing:	461,828.60 usft	Latitude:	32.269402
	+E/-W	0.00 usft	Easting:	617,318.30 usft	Longitude:	-104.087504
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	358.58	

Survey Program		Date	11/27/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
187.00	19,636.00	MWD (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
187.00	0.70	237.99	187.00	-0.61	-0.97	-0.58	0.37	0.37	0.00
First MWD Survey									
387.00	0.60	226.99	386.98	-1.97	-2.77	-1.90	0.08	-0.05	-5.50
547.00	0.90	218.99	546.97	-3.52	-4.17	-3.41	0.20	0.19	-5.00
589.00	1.42	228.41	588.96	-4.12	-4.77	-4.00	1.31	1.24	22.43
679.00	1.47	232.49	678.93	-5.56	-6.52	-5.40	0.13	0.06	4.53
773.00	1.33	227.14	772.90	-7.04	-8.28	-6.83	0.20	-0.15	-5.69
866.00	1.73	216.08	865.87	-8.91	-9.89	-8.66	0.53	0.43	-11.89
959.00	1.88	211.58	958.82	-11.34	-11.52	-11.05	0.22	0.16	-4.84
1,053.00	2.01	204.08	1,052.77	-14.16	-13.00	-13.83	0.30	0.14	-7.98

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W00B Fee #1H
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 #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,147.00	2.02	199.76	1,146.71	-17.22	-14.23	-16.86	0.16	0.01	-4.60
1,241.00	2.12	197.39	1,240.65	-20.44	-15.31	-20.05	0.14	0.11	-2.52
1,334.00	2.38	198.86	1,333.58	-23.91	-16.45	-23.49	0.29	0.28	1.58
1,427.00	2.57	204.01	1,426.49	-27.64	-17.92	-27.19	0.31	0.20	5.54
1,522.00	2.66	202.39	1,521.39	-31.63	-19.63	-31.13	0.12	0.09	-1.71
1,615.00	2.72	212.63	1,614.29	-35.48	-21.64	-34.93	0.52	0.06	11.01
1,708.00	2.79	192.38	1,707.19	-39.55	-23.32	-38.96	1.04	0.08	-21.77
1,801.00	2.92	180.26	1,800.07	-44.13	-23.81	-43.52	0.66	0.14	-13.03
1,894.00	3.43	168.61	1,892.93	-49.22	-23.27	-48.63	0.88	0.55	-12.53
1,988.00	3.83	163.26	1,986.74	-54.99	-21.81	-54.43	0.56	0.43	-5.69
2,081.00	4.06	161.70	2,079.52	-61.09	-19.89	-60.58	0.27	0.25	-1.68
2,176.00	4.67	152.89	2,174.25	-67.72	-17.07	-67.28	0.95	0.64	-9.27
2,269.00	5.42	146.98	2,266.89	-74.78	-12.95	-74.43	0.98	0.81	-6.35
2,362.00	6.33	144.15	2,359.40	-82.61	-7.55	-82.40	1.03	0.98	-3.04
2,448.00	6.58	141.93	2,444.85	-90.34	-1.74	-90.27	0.41	0.29	-2.58
2,563.00	6.62	143.48	2,559.09	-100.85	6.27	-100.97	0.16	0.03	1.35
2,656.00	5.11	159.97	2,651.61	-109.05	10.88	-109.29	2.42	-1.62	17.73
2,749.00	5.04	184.20	2,744.25	-117.02	12.00	-117.28	2.29	-0.08	26.05
2,842.00	5.03	208.12	2,836.90	-124.69	9.78	-124.89	2.24	-0.01	25.72
2,936.00	5.39	230.83	2,930.52	-131.11	4.41	-131.18	2.21	0.38	24.16
3,029.00	4.66	236.45	3,023.17	-135.96	-2.12	-135.86	0.95	-0.78	6.04
3,123.00	4.24	252.26	3,116.89	-139.13	-8.61	-138.87	1.37	-0.45	16.82
3,217.00	4.44	250.42	3,210.62	-141.41	-15.35	-140.98	0.26	0.21	-1.96
3,310.00	4.46	249.92	3,303.34	-143.85	-22.14	-143.26	0.05	0.02	-0.54
3,404.00	4.54	250.50	3,397.05	-146.35	-29.08	-145.58	0.10	0.09	0.62
3,497.00	4.39	251.25	3,489.77	-148.72	-35.92	-147.79	0.17	-0.16	0.81
3,591.00	4.38	249.66	3,583.49	-151.13	-42.69	-150.02	0.13	-0.01	-1.69
3,683.00	4.29	249.48	3,675.23	-153.55	-49.21	-152.29	0.10	-0.10	-0.20
3,776.00	4.22	248.54	3,767.97	-156.03	-55.65	-154.60	0.11	-0.08	-1.01
3,869.00	4.19	247.50	3,860.72	-158.58	-61.97	-156.99	0.09	-0.03	-1.12
3,963.00	4.17	246.62	3,954.47	-161.25	-68.28	-159.51	0.07	-0.02	-0.94
4,056.00	4.22	246.35	4,047.22	-163.96	-74.52	-162.07	0.06	0.05	-0.29
4,150.00	4.21	246.44	4,140.97	-166.73	-80.85	-164.67	0.01	-0.01	0.10
4,244.00	4.21	245.95	4,234.71	-169.51	-87.17	-167.30	0.04	0.00	-0.52
4,337.00	4.19	245.88	4,327.46	-172.29	-93.38	-169.93	0.02	-0.02	-0.08
4,430.00	4.27	245.40	4,420.21	-175.12	-99.63	-172.60	0.09	0.09	-0.52
4,523.00	4.24	245.10	4,512.95	-178.01	-105.90	-175.33	0.04	-0.03	-0.32
4,617.00	4.24	245.41	4,606.70	-180.92	-112.21	-178.08	0.02	0.00	0.33
4,710.00	3.70	246.32	4,699.47	-183.56	-118.09	-180.57	0.58	-0.58	0.98
4,803.00	3.28	246.97	4,792.30	-185.80	-123.28	-182.69	0.45	-0.45	0.70
4,896.00	2.51	239.99	4,885.18	-187.86	-127.49	-184.65	0.91	-0.83	-7.51
4,990.00	1.95	231.83	4,979.11	-189.88	-130.53	-186.59	0.68	-0.60	-8.68
5,084.00	1.83	232.61	5,073.06	-191.78	-132.98	-188.43	0.13	-0.13	0.83

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W00B Fee #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3091.00usft (Patterson 244)
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Well:	W00B Fee #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,177.00	1.05	226.85	5,166.03	-193.26	-134.79	-189.86	0.85	-0.84	-6.19
5,270.00	0.92	220.16	5,259.02	-194.42	-135.89	-190.99	0.19	-0.14	-7.19
5,362.00	0.89	224.52	5,351.00	-195.49	-136.87	-192.04	0.08	-0.03	4.74
5,455.00	1.01	224.24	5,443.99	-196.59	-137.94	-193.12	0.13	0.13	-0.30
5,548.00	0.99	221.68	5,536.98	-197.78	-139.05	-194.27	0.05	-0.02	-2.75
5,640.00	0.89	219.30	5,628.96	-198.93	-140.03	-195.40	0.12	-0.11	-2.59
5,735.00	0.84	217.67	5,723.95	-200.05	-140.92	-196.50	0.06	-0.05	-1.72
5,828.00	0.16	276.88	5,816.95	-200.57	-141.47	-197.01	0.83	-0.73	63.67
5,921.00	0.48	353.15	5,909.95	-200.17	-141.65	-196.60	0.50	0.34	82.01
6,015.00	0.29	339.78	6,003.95	-199.56	-141.77	-195.98	0.22	-0.20	-14.22
6,109.00	0.24	261.15	6,097.95	-199.36	-142.05	-195.78	0.36	-0.05	-83.65
6,202.00	0.49	253.65	6,190.94	-199.51	-142.63	-195.91	0.27	0.27	-8.06
6,297.00	0.76	286.15	6,285.94	-199.45	-143.62	-195.83	0.46	0.28	34.21
6,390.00	1.02	290.40	6,378.93	-198.99	-144.99	-195.33	0.29	0.28	4.57
6,483.00	1.15	329.95	6,471.91	-197.89	-146.23	-194.20	0.80	0.14	42.53
6,577.00	1.61	336.16	6,565.88	-195.86	-147.24	-192.16	0.51	0.49	6.61
6,670.00	1.97	323.08	6,658.84	-193.39	-148.73	-189.65	0.58	0.39	-14.06
6,764.00	2.13	326.70	6,752.78	-190.64	-150.66	-186.85	0.22	0.17	3.85
6,857.00	1.91	312.24	6,845.72	-188.15	-152.75	-184.31	0.59	-0.24	-15.55
6,952.00	2.20	311.50	6,940.66	-185.88	-155.29	-181.98	0.31	0.31	-0.78
7,045.00	1.16	285.04	7,033.62	-184.45	-157.54	-180.49	1.37	-1.12	-28.45
7,138.00	0.96	271.92	7,126.60	-184.18	-159.22	-180.18	0.34	-0.22	-14.11
7,231.00	0.59	277.18	7,219.60	-184.10	-160.48	-180.06	0.40	-0.40	5.66
7,325.00	0.42	288.12	7,313.59	-183.93	-161.29	-179.88	0.21	-0.18	11.64
7,419.00	0.49	317.69	7,407.59	-183.53	-161.88	-179.46	0.26	0.07	31.46
7,512.00	0.29	74.25	7,500.59	-183.17	-161.92	-179.10	0.72	-0.22	125.33
7,607.00	0.62	96.42	7,595.58	-183.16	-161.18	-179.11	0.39	0.35	23.34
7,700.00	0.50	115.30	7,688.58	-183.39	-160.32	-179.36	0.23	-0.13	20.30
7,793.00	0.66	262.55	7,781.58	-183.63	-160.48	-179.60	1.20	0.17	158.33
7,887.00	1.27	278.45	7,875.56	-183.55	-162.05	-179.48	0.70	0.65	16.91
7,980.00	0.42	294.07	7,968.55	-183.26	-163.38	-179.15	0.94	-0.91	16.80
8,073.00	0.14	244.73	8,061.55	-183.17	-163.79	-179.05	0.37	-0.30	-53.05
8,167.00	0.18	250.46	8,155.55	-183.27	-164.03	-179.15	0.05	0.04	6.10
8,260.00	0.18	185.23	8,248.55	-183.46	-164.19	-179.34	0.21	0.00	-70.14
8,352.00	0.51	156.13	8,340.55	-183.98	-164.03	-179.86	0.40	0.36	-31.63
8,445.00	0.94	150.70	8,433.54	-185.02	-163.49	-180.92	0.47	0.46	-5.84
8,539.00	1.40	186.66	8,527.52	-186.84	-163.25	-182.73	0.90	0.49	38.26
8,631.00	2.11	176.71	8,619.48	-189.64	-163.28	-185.54	0.84	0.77	-10.82
8,725.00	2.22	170.46	8,713.41	-193.17	-162.88	-189.07	0.28	0.12	-6.65
8,818.00	2.17	168.86	8,806.35	-196.67	-162.24	-192.59	0.09	-0.05	-1.72
8,912.00	2.01	173.97	8,900.28	-200.06	-161.72	-195.99	0.26	-0.17	5.44
8,955.00	1.90	179.04	8,943.26	-201.52	-161.63	-197.45	0.48	-0.26	11.79
9,029.00	0.54	161.79	9,017.24	-203.08	-161.50	-199.01	1.88	-1.84	-23.31

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W00B Fee #1H
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 #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,084.64	5.37	12.78	9,072.80	-200.79	-160.85	-196.74	10.49	8.68	-267.82
W00B Fee #1H BB Point									
9,123.00	9.39	11.60	9,110.84	-195.97	-159.82	-191.95	10.49	10.48	-3.07
9,216.00	19.11	4.24	9,200.88	-173.30	-157.16	-169.35	10.61	10.45	-7.91
9,309.00	27.86	3.69	9,286.09	-136.36	-154.63	-132.49	9.41	9.41	-0.59
9,403.00	38.60	0.85	9,364.61	-84.97	-152.78	-81.16	11.54	11.43	-3.02
9,497.00	50.09	0.83	9,431.72	-19.38	-151.82	-15.61	12.22	12.22	-0.02
9,590.00	60.96	2.65	9,484.29	57.13	-149.41	60.81	11.80	11.69	1.96
9,684.00	72.99	4.33	9,520.99	143.31	-144.10	146.84	12.90	12.80	1.79
9,771.00	85.59	2.73	9,537.12	228.46	-138.87	231.83	14.59	14.48	-1.84
9,870.00	91.35	2.45	9,539.77	327.28	-134.40	330.51	5.83	5.82	-0.28
9,963.00	89.92	1.17	9,538.73	420.23	-131.47	423.35	2.06	-1.54	-1.38
10,057.00	91.63	1.88	9,537.46	514.18	-128.97	517.22	1.97	1.82	0.76
10,150.00	90.28	2.27	9,535.91	607.10	-125.60	610.03	1.51	-1.45	0.42
10,244.00	89.36	2.45	9,536.21	701.02	-121.73	703.82	1.00	-0.98	0.19
10,337.00	87.34	2.25	9,538.89	793.90	-117.92	796.58	2.18	-2.17	-0.22
10,430.00	87.05	2.70	9,543.44	886.70	-113.91	889.25	0.58	-0.31	0.48
10,524.00	89.16	2.08	9,546.55	980.56	-109.99	982.99	2.34	2.24	-0.66
10,619.00	90.36	1.38	9,546.94	1,075.52	-107.12	1,077.84	1.46	1.26	-0.74
10,713.00	91.01	359.66	9,545.82	1,169.50	-106.27	1,171.78	1.96	0.69	-1.83
10,808.00	91.29	359.37	9,543.91	1,264.48	-107.07	1,266.74	0.42	0.29	-0.31
10,901.00	90.53	357.81	9,542.44	1,357.44	-109.36	1,359.73	1.87	-0.82	-1.68
10,994.00	91.18	357.80	9,541.05	1,450.36	-112.92	1,452.71	0.70	0.70	-0.01
11,088.00	89.21	356.01	9,540.73	1,544.21	-118.00	1,546.66	2.83	-2.10	-1.90
11,181.00	89.86	356.19	9,541.48	1,636.99	-124.32	1,639.57	0.73	0.70	0.19
11,245.00	87.19	354.46	9,543.13	1,700.75	-129.53	1,703.44	4.97	-4.17	-2.70
11,276.00	88.18	354.75	9,544.38	1,731.59	-132.45	1,734.34	3.33	3.19	0.94
11,307.00	87.67	354.87	9,545.51	1,762.44	-135.25	1,765.25	1.69	-1.65	0.39
11,338.00	87.45	355.25	9,546.82	1,793.30	-137.92	1,796.16	1.42	-0.71	1.23
11,370.00	87.00	355.20	9,548.37	1,825.15	-140.58	1,828.07	1.41	-1.41	-0.16
11,415.00	87.87	355.46	9,550.39	1,869.95	-144.24	1,872.95	2.02	1.93	0.58
11,464.00	88.04	357.66	9,552.14	1,918.83	-147.17	1,921.89	4.50	0.35	4.49
11,557.00	89.55	357.98	9,554.09	2,011.74	-150.71	2,014.86	1.66	1.62	0.34
11,650.00	87.13	357.99	9,556.79	2,104.64	-153.98	2,107.81	2.60	-2.60	0.01
11,744.00	87.50	355.89	9,561.19	2,198.39	-158.99	2,201.66	2.27	0.39	-2.23
11,837.00	85.99	356.96	9,566.47	2,291.06	-164.78	2,294.44	1.99	-1.62	1.15
11,931.00	87.97	355.52	9,571.42	2,384.72	-170.94	2,388.22	2.60	2.11	-1.53
12,023.00	90.39	355.25	9,572.74	2,476.40	-178.34	2,480.06	2.65	2.63	-0.29
12,117.00	90.11	355.16	9,572.33	2,570.07	-186.20	2,573.90	0.31	-0.30	-0.10
12,211.00	90.06	355.53	9,572.19	2,663.76	-193.83	2,667.75	0.40	-0.05	0.39
12,304.00	89.86	356.35	9,572.25	2,756.53	-200.41	2,760.65	0.91	-0.22	0.88
12,398.00	90.34	357.45	9,572.09	2,850.39	-205.49	2,854.61	1.28	0.51	1.17
12,492.00	90.39	359.28	9,571.49	2,944.35	-208.17	2,948.60	1.95	0.05	1.95
12,585.00	90.03	0.61	9,571.15	3,037.34	-208.26	3,041.57	1.48	-0.39	1.43

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W00B Fee #1H
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 #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)
12,679.00	90.70	2.17	9,570.55	3,131.31	-205.98	3,135.45	1.81	0.71	1.66
12,773.00	89.36	2.90	9,570.50	3,225.22	-201.83	3,229.23	1.62	-1.43	0.78
12,867.00	89.07	3.96	9,571.79	3,319.04	-196.20	3,322.88	1.17	-0.31	1.13
12,961.00	89.83	3.77	9,572.69	3,412.82	-189.87	3,416.48	0.83	0.81	-0.20
13,055.00	90.70	3.85	9,572.26	3,506.61	-183.62	3,510.08	0.93	0.93	0.09
13,148.00	89.36	2.78	9,572.21	3,599.45	-178.24	3,602.76	1.84	-1.44	-1.15
13,242.00	90.34	2.74	9,572.46	3,693.34	-173.72	3,696.51	1.04	1.04	-0.04
13,335.00	89.30	1.05	9,572.75	3,786.28	-170.64	3,789.35	2.13	-1.12	-1.82
13,429.00	89.30	359.66	9,573.90	3,880.27	-170.06	3,883.29	1.48	0.00	-1.48
13,523.00	89.58	359.01	9,574.82	3,974.26	-171.15	3,977.28	0.75	0.30	-0.69
13,617.00	89.89	359.24	9,575.25	4,068.25	-172.59	4,071.28	0.41	0.33	0.24
13,710.00	90.22	0.07	9,575.16	4,161.25	-173.15	4,164.26	0.96	0.35	0.89
13,804.00	90.08	359.93	9,574.91	4,255.25	-173.15	4,258.23	0.21	-0.15	-0.15
13,897.00	90.20	0.54	9,574.69	4,348.24	-172.77	4,351.19	0.67	0.13	0.66
13,991.00	88.79	0.70	9,575.52	4,442.23	-171.75	4,445.12	1.51	-1.50	0.17
14,085.00	91.12	1.32	9,575.59	4,536.21	-170.09	4,539.03	2.56	2.48	0.66
14,179.00	87.39	1.32	9,576.81	4,630.16	-167.93	4,632.90	3.97	-3.97	0.00
14,272.00	88.43	1.73	9,580.20	4,723.07	-165.45	4,725.71	1.20	1.12	0.44
14,365.00	88.79	1.76	9,582.46	4,815.99	-162.62	4,818.55	0.39	0.39	0.03
14,459.00	90.31	1.76	9,583.20	4,909.94	-159.73	4,912.40	1.62	1.62	0.00
14,554.00	91.51	1.97	9,581.69	5,004.88	-156.64	5,007.23	1.28	1.26	0.22
14,647.00	90.76	359.37	9,579.85	5,097.85	-155.56	5,100.14	2.91	-0.81	-2.80
14,742.00	89.16	357.03	9,579.91	5,192.79	-158.54	5,195.12	2.98	-1.68	-2.46
14,835.00	91.12	357.78	9,579.69	5,285.69	-162.75	5,288.10	2.26	2.11	0.81
14,928.00	89.55	358.48	9,579.14	5,378.64	-165.79	5,381.09	1.85	-1.69	0.75
15,021.00	90.87	359.29	9,578.80	5,471.61	-167.60	5,474.09	1.67	1.42	0.87
15,115.00	88.15	358.44	9,579.60	5,565.58	-169.46	5,568.07	3.03	-2.89	-0.90
15,208.00	86.58	357.01	9,583.88	5,658.41	-173.14	5,660.96	2.28	-1.69	-1.54
15,302.00	85.40	356.14	9,590.45	5,752.01	-178.74	5,754.67	1.56	-1.26	-0.93
15,395.00	87.95	356.44	9,595.85	5,844.65	-184.75	5,847.43	2.76	2.74	0.32
15,488.00	87.95	356.19	9,599.17	5,937.39	-190.72	5,940.30	0.27	0.00	-0.27
15,582.00	87.67	356.71	9,602.77	6,031.15	-196.54	6,034.16	0.63	-0.30	0.55
15,676.00	87.95	356.87	9,606.36	6,124.93	-201.80	6,128.05	0.34	0.30	0.17
15,769.00	91.15	357.84	9,607.09	6,217.81	-206.09	6,221.01	3.60	3.44	1.04
15,863.00	92.16	358.88	9,604.37	6,311.73	-208.78	6,314.97	1.54	1.07	1.11
15,956.00	88.96	357.26	9,603.46	6,404.66	-211.91	6,407.95	3.86	-3.44	-1.74
16,049.00	90.31	357.00	9,604.06	6,497.54	-216.57	6,500.91	1.48	1.45	-0.28
16,142.00	89.64	356.17	9,604.10	6,590.37	-222.11	6,593.85	1.15	-0.72	-0.89
16,235.00	88.66	355.68	9,605.48	6,683.13	-228.72	6,686.74	1.18	-1.05	-0.53
16,329.00	88.40	355.79	9,607.89	6,776.84	-235.71	6,780.60	0.30	-0.28	0.12
16,422.00	88.66	356.06	9,610.27	6,869.57	-242.31	6,873.47	0.40	0.28	0.29
16,516.00	89.47	358.68	9,611.81	6,963.45	-246.62	6,967.42	2.92	0.86	2.79
16,610.00	89.55	0.79	9,612.61	7,057.44	-247.06	7,061.40	2.25	0.09	2.24

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W00B Fee #1H
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 #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)	
16,703.00	87.62	2.04	9,614.91	7,150.38	-244.76	7,154.25	2.47	-2.08	1.34	
16,796.00	88.37	3.68	9,618.16	7,243.20	-240.13	7,246.93	1.94	0.81	1.76	
16,893.00	91.18	3.25	9,618.54	7,340.01	-234.26	7,343.56	2.93	2.90	-0.44	
16,985.00	89.24	0.67	9,618.21	7,431.95	-231.12	7,435.39	3.51	-2.11	-2.80	
17,077.00	88.99	0.02	9,619.63	7,523.93	-230.56	7,527.34	0.76	-0.27	-0.71	
17,169.00	92.27	0.47	9,618.62	7,615.91	-230.17	7,619.28	3.60	3.57	0.49	
17,261.00	92.80	0.53	9,614.55	7,707.82	-229.37	7,711.14	0.58	0.58	0.07	
17,354.00	92.66	0.52	9,610.12	7,800.71	-228.52	7,803.98	0.15	-0.15	-0.01	
17,446.00	92.49	359.78	9,605.98	7,892.62	-228.28	7,895.85	0.82	-0.18	-0.80	
17,538.00	89.52	358.86	9,604.37	7,984.58	-229.37	7,987.82	3.38	-3.23	-1.00	
17,630.00	89.33	359.03	9,605.29	8,076.56	-231.06	8,079.81	0.28	-0.21	0.18	
17,723.00	89.02	358.61	9,606.63	8,169.53	-232.98	8,172.80	0.56	-0.33	-0.45	
17,814.00	88.94	358.54	9,608.25	8,260.49	-235.24	8,263.78	0.12	-0.09	-0.08	
17,907.00	89.44	358.96	9,609.57	8,353.46	-237.27	8,356.77	0.70	0.54	0.45	
18,000.00	89.72	359.89	9,610.25	8,446.45	-238.20	8,449.76	1.04	0.30	1.00	
18,092.00	89.05	359.70	9,611.24	8,538.45	-238.53	8,541.73	0.76	-0.73	-0.21	
18,184.00	90.06	0.45	9,611.95	8,630.44	-238.41	8,633.70	1.37	1.10	0.82	
18,277.00	90.11	0.89	9,611.81	8,723.43	-237.32	8,726.64	0.48	0.05	0.47	
18,369.00	89.97	1.42	9,611.75	8,815.42	-235.47	8,818.54	0.60	-0.15	0.58	
18,461.00	90.59	2.02	9,611.30	8,907.37	-232.71	8,910.40	0.94	0.67	0.65	
18,553.00	89.27	2.62	9,611.41	8,999.29	-228.98	9,002.20	1.58	-1.43	0.65	
18,646.00	88.91	2.22	9,612.89	9,092.20	-225.06	9,094.98	0.58	-0.39	-0.43	
18,738.00	90.08	3.40	9,613.70	9,184.08	-220.55	9,186.73	1.81	1.27	1.28	
18,830.00	89.41	3.15	9,614.11	9,275.93	-215.29	9,278.42	0.78	-0.73	-0.27	
18,923.00	90.14	1.49	9,614.47	9,368.85	-211.53	9,371.21	1.95	0.78	-1.78	
19,015.00	91.71	358.85	9,612.99	9,460.83	-211.25	9,463.16	3.34	1.71	-2.87	
19,107.00	92.63	356.92	9,609.51	9,552.69	-214.65	9,555.08	2.32	1.00	-2.10	
19,199.00	92.49	357.02	9,605.40	9,644.47	-219.50	9,646.95	0.19	-0.15	0.11	
19,292.00	86.55	355.23	9,606.18	9,737.21	-225.78	9,739.81	6.67	-6.39	-1.92	
19,384.00	86.16	354.87	9,612.02	9,828.68	-233.71	9,831.45	0.58	-0.42	-0.39	
19,476.00	86.86	355.75	9,617.62	9,920.20	-241.21	9,923.13	1.22	0.76	0.96	
19,568.00	90.36	359.76	9,619.86	10,012.07	-244.81	10,015.06	5.78	3.80	4.36	
19,593.00	91.68	1.09	9,619.41	10,037.07	-244.63	10,040.05	7.49	5.28	5.32	
Last MWD Survey @ 19593'										
19,628.03	91.68	1.09	9,618.38	10,072.07	-243.96	10,075.02	0.00	0.00	0.00	
W00B Fee #1H PBHL										
19,636.00	91.68	1.09	9,618.15	10,080.04	-243.81	10,082.99	0.00	0.00	0.00	
PTB @ 19636'										