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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 / 01/24/2020
⁴ API Number 30 - 015 - 46240	⁵ Pool Name Purple Sage; Wolfcamp (Gas)	
	⁶ Pool Code 98220	
⁷ Property Code 326024	⁸ Property Name Coltrane 36/25 W0PI Federal Com	⁹ Well Number 1H

II. ¹⁰ Surface Location

UL or lot no. P	Section 36	Township 25S	Range 31E	Lot Idn	Feet from the 400	North/South Line South	Feet from the 410	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. I	Section 25	Township 25S	Range 31E	Lot Idn	Feet from the 2321	North/South line South	Feet from the 336	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 01/21/2020	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

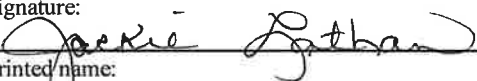
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
35246	Shell Trading US Co. PO Box 4604 Houston, TX 77210	O
285689	Delaware Basin Midstream 1201 Lake Robbins Drive The Woodlands, Texas 77380	G

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

²¹ Spud Date 09/02/2019	²² Ready Date 01/24/2020	²³ TD 19143' MD	²⁴ PBTB 19122'	²⁵ Perforations 11866' - 19122'	²⁶ DHC, MC NA
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
26"		20" 94# K55	204'		575
17 1/2"		13 3/8" 54.5# J55	1260'		975
12 1/4"		9 5/8" 40# HCL80	4244'		1175
8 3/4"		7" 29# P110	11843'		825
6 1/8"		4 1/2" 13.5# HCP110	11258' - 19142		475

V. Well Test Data

³¹ Date New Oil 01/24/2020	³² Gas Delivery Date 01/24/2020	³³ Test Date 01/28/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure NA	³⁶ Csg. Pressure 3750
³⁷ Choke Size 25/64"	³⁸ Oil 809	³⁹ Water 3656	⁴⁰ Gas 3342		⁴¹ Test Method Flowing

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: PATRICIA MARTINEZ Title: PETROLEUM SPECIALIST Approval Date: 12/15/2021
Printed name: Jackie Lathan Title: Regulatory E-mail Address: jlathan@mewbourne.com Date: 02/25/2020	Phone: 575-393-5905

Received by OCD: 12/13/2021 6:50:59 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 30-015-46210		² Pool Code 98220		³ Pool Name Purple Sage; Wolfcamp (Gas)	
⁴ Property Code 326024		⁵ Property Name COLTRANE 36/25 WOPI FEDERAL COM			⁶ Well Number 1H
⁷ OGRID NO. 14744		⁸ Operator Name MEWBORNE OIL COMPANY			⁹ Elevation 3301'

¹⁰ Surface Location

UL or lot no. P	Section 36	Township 25S	Range 31E	Lot Idn	Feet from the 400	North/South line SOUTH	Feet From the 410	East/West line EAST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. I	Section 25	Township 25S	Range 31E	Lot Idn	Feet from the 2321	North/South line SOUTH	Feet from the 336	East/West line EAST	County EDDY
¹² Dedicated Acres 480		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 393606.0 - E 729938.8 LAT: 32.0806392° N LONG: 103.7243902° W BOTTOM HOLE N 400791.6 - E 729981.6 LAT: 32.1003904° N LONG: 103.7241208° W CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1916" N 393164.8 - E 725028.3 B: FOUND BRASS CAP "1939" N 395801.2 - E 725019.9 C: FOUND BRASS CAP "1939" N 398442.3 - E 725012.1 D: FOUND BRASS CAP "1939" N 401083.2 - E 725002.4 E: FOUND BRASS CAP "1939" N 403723.6 - E 724993.6 F: FOUND BRASS CAP "1939" N 403741.9 - E 727644.8 G: FOUND 1/2" REBAR N 403764.2 - E 730299.4 H: FOUND BRASS CAP "1916" N 401125.6 - E 730309.8 I: CALCULATED CORNER N 398486.2 - E 730323.5 J: FOUND BRASS CAP "1916" N 395846.7 - E 730337.2 K: FOUND BRASS CAP "1916" N 393209.3 - E 730350.7 L: FOUND BRASS CAP "1916" N 393188.6 - E 727688.7 M: FOUND BRASS CAP "1939" N 398453.8 - E 727669.2	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: 2/18/2020 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. 5-9-18 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number	
	RRC - Job No.: LS1804488	
	Released to Imaging: 12/15/2021 12:21:45 PM	



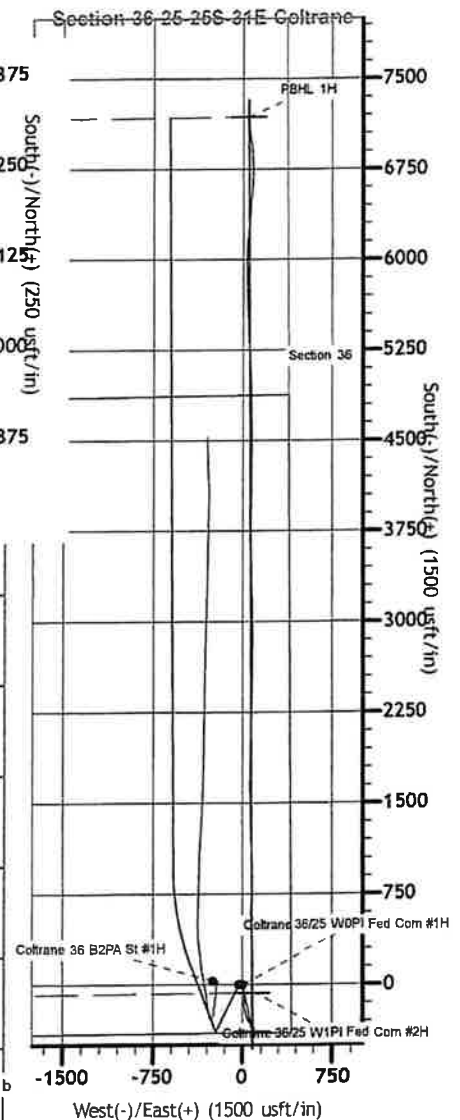
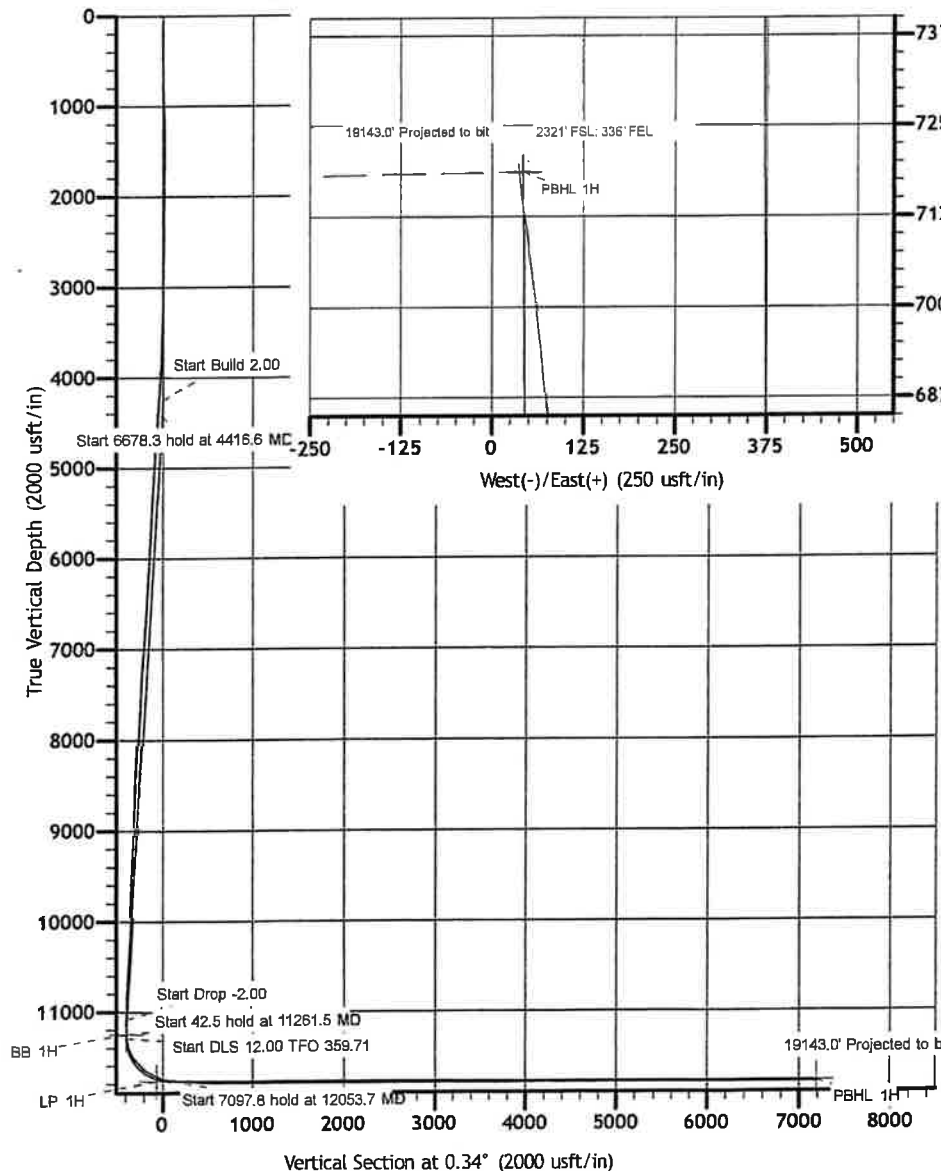
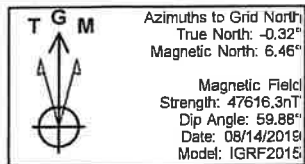
COMPANY: Mewbourne Oil Company
 WELL: Coltrane 36/25 WOP Fed Com #1H
 COUNTY: Eddy County, N.M. Nad (83)
 DATUM: North American Datum 1983
 RIG: Patterson 231

STRYKER
 DIRECTIONAL
 OFFICE: 936.582.7296

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.46°

GEODETIC ZONE: New Mexico Eastern Zone											Slot
3301+27 @ 3328.0usft											
GROUND ELEVATION: 3301.0											
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude						
0.0	0.0	393606.00	729938.80	32° 4' 50.301 N	103° 43' 27.804 W						
PLAN SECTIONS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	4250.0	0.00	0.00	4250.0	0.0	0.0	0.00	0.00	0.0		
3	4416.6	3.33	168.13	4416.5	-4.7	1.0	2.00	168.13	-4.7		
4	11094.9	3.33	168.13	11083.5	-384.6	80.8	0.00	0.00	-384.1		
5	11261.5	0.00	0.00	11250.0	-389.3	81.8	2.00	180.00	-389.8	BB 1H	
6	11304.0	0.00	0.00	11292.5	-389.3	81.8	0.00	0.00	-389.8		
7	12053.7	89.97	359.71	11770.0	87.9	79.3	12.00	359.71	88.4		
8	19151.5	89.97	359.71	11774.0	7185.6	42.8	0.00	0.00	7185.7	PBHL 1H	

SHL: 400' FSL; 410' FEL
 Section 36-25S-31E
 PBHL: 2310 FSL; 330' FEL
 Section 25-25S-31E





Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 36 25-25S-31E Coltrane

Coltrane 36/25 W0PI Fed Com #1H

Original Hole

Design: Original Hole

Standard Survey Report

01 October, 2019





Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Coltrane 36/25 W0PI Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3301+27 @ 3328.0usft
Site:	Section 36 25-25S-31E Coltrane	MD Reference:	3301+27 @ 3328.0usft
Well:	Coltrane 36/25 W0PI Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

Project	Eddy County, N.M. 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		Section 36 25-25S-31E Coltrane			
Site Position:		Northing:	393,606.00 usft	Latitude:	32° 4' 50.301 N
From:	Map	Easting:	729,938.80 usft	Longitude:	103° 43' 27.804 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.32 °

Well	Coltrane 36/25 W0PI Fed Com #1H					
Well Position	+N/-S	0.0 usft	Northing:	393,606.00 usft	Latitude:	32° 4' 50.301 N
	+E/-W	0.0 usft	Easting:	729,938.80 usft	Longitude:	103° 43' 27.804 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	27.0 usft	Ground Level:	3,301.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	08/14/19	6.78	59.88	47,616.32820214

Design	Original Hole				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0		0.29

Survey Program	Date	10/01/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	1,200.0	Gyro Surveys (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot	
1,303.0	19,143.0	Stryker Surveys (Original Hole)	MWD	MWD v3:standard declination	

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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.35	186.90	100.0	-0.3	0.0	-0.3	0.35	0.35	0.00	
200.0	0.43	214.31	200.0	-0.9	-0.3	-0.9	0.20	0.08	27.41	
300.0	0.29	66.54	300.0	-1.1	-0.3	-1.1	0.69	-0.14	-147.77	
400.0	0.53	166.18	400.0	-1.5	0.1	-1.5	0.65	0.24	99.64	
500.0	0.42	141.84	500.0	-2.2	0.4	-2.2	0.23	-0.11	-24.34	
600.0	0.80	133.08	600.0	-3.0	1.2	-3.0	0.39	0.38	-8.76	
700.0	1.57	76.27	700.0	-3.1	3.0	-3.1	1.32	0.77	-56.81	
800.0	2.70	39.41	799.9	-1.0	5.8	-1.0	1.72	1.13	-36.86	
900.0	2.94	358.31	899.8	3.4	7.2	3.4	1.99	0.24	-41.10	



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Coltrane 36/25 WOPi Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3301+27 @ 3328.0usft
Site:	Section 36 25-25S-31E Coltrane	MD Reference:	3301+27 @ 3328.0usft
Well:	Coltrane 36/25 WOPi Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

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)
1,000.0	3.88	335.95	999.6	9.1	5.8	9.1	1.61	0.94	-22.36
1,100.0	2.87	51.78	1,099.5	13.7	6.4	13.7	4.22	-1.01	75.83
1,200.0	2.39	78.11	1,199.4	15.7	10.4	15.7	1.29	-0.48	26.33
1,303.0	3.10	85.70	1,302.3	16.3	15.3	16.4	0.77	0.69	7.37
1,492.0	1.60	106.60	1,491.1	16.0	22.9	16.1	0.90	-0.79	11.06
1,586.0	2.10	101.30	1,585.1	15.2	25.8	15.4	0.56	0.53	-5.64
1,778.0	1.90	92.20	1,776.9	14.4	32.5	14.6	0.20	-0.10	-4.74
1,968.0	0.50	228.50	1,966.9	13.8	35.0	13.9	1.20	-0.74	71.74
2,157.0	1.30	250.40	2,155.9	12.5	32.3	12.7	0.45	0.42	11.59
2,347.0	1.50	227.10	2,345.8	10.1	28.5	10.2	0.31	0.11	-12.26
2,536.0	1.80	243.80	2,534.7	7.1	24.0	7.2	0.30	0.16	8.84
2,725.0	1.50	248.30	2,723.7	4.9	19.1	5.0	0.17	-0.16	2.38
2,915.0	1.70	250.40	2,913.6	3.0	14.1	3.1	0.11	0.11	1.11
3,104.0	1.80	247.80	3,102.5	0.9	8.7	1.0	0.07	0.05	-1.38
3,294.0	1.50	228.10	3,292.4	-1.9	4.1	-1.8	0.34	-0.16	-10.37
3,482.0	1.60	189.30	3,480.4	-6.1	1.8	-6.1	0.55	0.05	-20.64
3,671.0	1.70	181.50	3,669.3	-11.5	1.3	-11.5	0.13	0.05	-4.13
3,860.0	2.50	168.50	3,858.2	-18.3	2.1	-18.3	0.49	0.42	-6.88
4,050.0	3.40	160.20	4,047.9	-27.7	4.8	-27.7	0.52	0.47	-4.37
4,199.0	4.20	164.70	4,196.6	-37.1	7.8	-37.1	0.57	0.54	3.02
4,249.0	4.80	170.70	4,246.4	-41.0	8.6	-40.9	1.52	1.20	12.00
4,438.0	4.00	174.00	4,434.9	-55.3	10.5	-55.3	0.44	-0.42	1.75
4,627.0	3.40	181.60	4,623.5	-67.5	11.1	-67.4	0.41	-0.32	4.02
4,816.0	3.80	179.10	4,812.1	-79.3	11.0	-79.3	0.23	0.21	-1.32
5,004.0	3.50	175.90	4,999.7	-91.3	11.5	-91.2	0.19	-0.16	-1.70
5,194.0	3.10	181.50	5,189.4	-102.2	11.8	-102.1	0.27	-0.21	2.95
5,384.0	3.30	178.20	5,379.1	-112.8	11.8	-112.7	0.14	0.11	-1.74
5,574.0	2.90	173.50	5,568.8	-123.1	12.6	-123.0	0.25	-0.21	-2.47
5,763.0	3.10	183.10	5,757.6	-132.9	12.8	-132.8	0.29	0.11	5.08
5,951.0	2.70	184.50	5,945.3	-142.4	12.2	-142.3	0.22	-0.21	0.74
6,139.0	3.10	183.70	6,133.1	-151.9	11.5	-151.8	0.21	0.21	-0.43
6,329.0	2.90	185.90	6,322.8	-161.8	10.7	-161.7	0.12	-0.11	1.16
6,516.0	2.70	187.30	6,509.6	-170.9	9.7	-170.8	0.11	-0.11	0.75
6,705.0	4.40	159.90	6,698.2	-182.1	11.6	-182.0	1.25	0.90	-14.50
6,894.0	4.10	167.90	6,886.7	-195.5	15.5	-195.4	0.35	-0.16	4.23
7,082.0	4.10	165.50	7,074.2	-208.6	18.6	-208.5	0.09	0.00	-1.28
7,272.0	3.40	165.80	7,263.8	-220.6	21.7	-220.5	0.37	-0.37	0.16
7,461.0	2.90	166.30	7,452.6	-230.7	24.2	-230.6	0.26	-0.26	0.26
7,649.0	2.90	166.10	7,640.3	-239.9	26.4	-239.8	0.01	0.00	-0.11
7,838.0	2.90	164.80	7,829.1	-249.2	28.8	-249.0	0.03	0.00	-0.69
8,027.0	2.80	165.80	8,017.8	-258.3	31.2	-258.1	0.06	-0.05	0.53
8,216.0	3.60	148.20	8,206.5	-267.8	35.5	-267.6	0.67	0.42	-9.31
8,406.0	2.90	159.00	8,396.2	-277.4	40.4	-277.1	0.49	-0.37	5.68



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Coltrane 36/25 WOPi Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3301+27 @ 3328.0usft
Site:	Section 36 25-25S-31E Coltrane	MD Reference:	3301+27 @ 3328.0usft
Well:	Coltrane 36/25 WOPi Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

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)
8,596.0	1.90	159.90	8,586.1	-284.8	43.2	-284.6	0.53	-0.53	0.47
8,785.0	2.60	154.50	8,774.9	-291.6	46.1	-291.4	0.39	0.37	-2.86
8,975.0	2.60	158.50	8,964.7	-299.5	49.5	-299.3	0.10	0.00	2.11
9,164.0	2.10	157.20	9,153.6	-306.7	52.4	-306.4	0.27	-0.26	-0.69
9,353.0	2.80	132.80	9,342.4	-313.0	57.2	-312.7	0.66	0.37	-12.91
9,542.0	2.90	133.30	9,531.2	-319.4	64.0	-319.1	0.05	0.05	0.26
9,730.0	2.60	129.20	9,719.0	-325.4	70.8	-325.0	0.19	-0.16	-2.18
9,920.0	3.40	139.50	9,908.7	-332.4	77.8	-332.0	0.51	0.42	5.42
10,108.0	3.10	153.80	10,096.4	-341.2	83.7	-340.8	0.46	-0.16	7.61
10,297.0	4.30	167.90	10,285.0	-352.7	87.4	-352.3	0.79	0.63	7.46
10,486.0	4.00	170.80	10,473.5	-366.1	89.9	-365.7	0.19	-0.16	1.53
10,675.0	3.50	173.70	10,662.1	-378.4	91.6	-377.9	0.28	-0.26	1.53
10,864.0	1.00	187.70	10,850.9	-385.8	92.0	-385.3	1.34	-1.32	7.41
11,053.0	1.10	233.40	11,039.9	-388.5	90.4	-388.0	0.43	0.05	24.18
11,242.0	0.90	235.20	11,228.9	-390.4	87.7	-390.0	0.11	-0.11	0.95
11,263.2	1.00	283.64	11,250.1	-390.5	87.4	-390.0	3.70	0.47	228.23
BB 1H									
11,289.0	1.70	312.40	11,275.9	-390.1	86.9	-389.7	3.70	2.71	111.57
11,321.0	6.30	343.40	11,307.8	-388.1	86.0	-387.7	15.38	14.38	96.88
11,352.0	11.00	354.90	11,338.4	-383.6	85.3	-383.1	16.08	15.16	37.10
11,384.0	15.10	354.80	11,369.6	-376.4	84.6	-375.9	12.81	12.81	-0.31
11,415.0	19.60	356.30	11,399.2	-367.2	83.9	-366.7	14.59	14.52	4.84
11,447.0	23.10	357.80	11,429.0	-355.5	83.3	-355.1	11.07	10.94	4.69
11,478.0	26.50	359.20	11,457.1	-342.5	83.0	-342.1	11.13	10.97	4.52
11,510.0	30.20	0.00	11,485.3	-327.3	82.9	-326.9	11.62	11.56	2.50
11,542.0	33.30	1.20	11,512.5	-310.5	83.1	-310.1	9.89	9.69	3.75
11,573.0	36.00	1.60	11,538.0	-292.9	83.5	-292.4	8.74	8.71	1.29
11,605.0	39.10	1.20	11,563.3	-273.4	84.0	-273.0	9.72	9.69	-1.25
11,637.0	42.80	0.00	11,587.5	-252.4	84.2	-252.0	11.82	11.56	-3.75
11,668.0	46.20	358.50	11,609.6	-230.7	83.9	-230.3	11.48	10.97	-4.84
11,700.0	49.60	357.70	11,631.1	-207.0	83.1	-206.5	10.79	10.63	-2.50
11,731.0	53.30	357.40	11,650.4	-182.8	82.1	-182.3	11.96	11.94	-0.97
11,763.0	56.50	357.90	11,668.8	-156.6	81.0	-156.2	10.08	10.00	1.56
11,794.0	59.70	358.40	11,685.2	-130.3	80.2	-129.9	10.41	10.32	1.61
11,880.0	66.20	0.10	11,724.3	-53.8	79.2	-53.3	7.76	7.56	1.98
11,883.1	66.47	0.07	11,725.5	-50.9	79.2	-50.5	8.76	8.71	-0.99
LP 1H									
11,911.0	68.90	359.80	11,736.1	-25.1	79.2	-24.7	8.76	8.71	-0.97
11,943.0	73.80	359.60	11,746.3	5.2	79.0	5.6	15.32	15.31	-0.63
11,974.0	78.40	0.30	11,753.8	35.3	79.0	35.7	15.00	14.84	2.26
12,005.0	80.30	2.00	11,759.5	65.7	79.6	66.2	8.16	6.13	5.48
12,037.0	82.90	2.50	11,764.2	97.4	80.8	97.8	8.27	8.13	1.56
12,068.0	84.70	2.60	11,767.5	128.2	82.2	128.6	5.82	5.81	0.32
12,100.0	85.70	1.20	11,770.2	160.0	83.3	160.5	5.36	3.13	-4.38



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Coltrane 36/25 WOP Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3301+27 @ 3328.0usft
Site:	Section 36 25-25S-31E Coltrane	MD Reference:	3301+27 @ 3328.0usft
Well:	Coltrane 36/25 WOP Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM500D

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)
12,132.0	87.10	358.30	11,772.2	192.0	83.1	192.4	10.05	4.38	-9.06
12,163.0	87.80	358.30	11,773.6	222.9	82.2	223.3	2.26	2.26	0.00
12,195.0	86.80	358.00	11,775.1	254.9	81.2	255.3	3.26	-3.13	-0.94
12,257.0	87.10	359.10	11,778.4	316.8	79.6	317.2	1.84	0.48	1.77
12,352.0	87.70	357.00	11,782.7	411.6	76.4	412.0	2.30	0.63	-2.21
12,446.0	87.50	357.20	11,786.6	505.4	71.6	505.8	0.30	-0.21	0.21
12,540.0	90.50	1.50	11,788.3	599.3	70.6	599.7	5.58	3.19	4.57
12,635.0	90.80	1.90	11,787.2	694.3	73.4	694.7	0.53	0.32	0.42
12,730.0	90.90	2.20	11,785.8	789.2	76.8	789.6	0.33	0.11	0.32
12,824.0	89.80	359.30	11,785.2	883.2	78.0	883.6	3.30	-1.17	-3.09
12,932.0	88.60	358.60	11,786.7	991.2	76.0	991.5	1.29	-1.11	-0.65
13,026.0	88.70	358.70	11,788.9	1,085.1	73.8	1,085.5	0.15	0.11	0.11
13,121.0	89.40	358.50	11,790.5	1,180.1	71.5	1,180.4	0.77	0.74	-0.21
13,216.0	89.60	359.30	11,791.3	1,275.1	69.7	1,275.4	0.87	0.21	0.84
13,310.0	90.20	358.40	11,791.5	1,369.0	67.8	1,369.4	1.15	0.64	-0.96
13,405.0	90.30	357.90	11,791.1	1,464.0	64.7	1,464.3	0.54	0.11	-0.53
13,499.0	89.20	358.70	11,791.5	1,557.9	61.9	1,558.2	1.45	-1.17	0.85
13,593.0	90.10	0.80	11,792.1	1,651.9	61.5	1,652.2	2.43	0.96	2.23
13,688.0	90.20	1.30	11,791.8	1,746.9	63.3	1,747.2	0.54	0.11	0.53
13,782.0	90.00	0.50	11,791.7	1,840.9	64.7	1,841.2	0.88	-0.21	-0.85
13,877.0	90.60	0.70	11,791.2	1,935.9	65.7	1,936.2	0.67	0.63	0.21
13,972.0	90.50	0.40	11,790.3	2,030.9	66.6	2,031.2	0.33	-0.11	-0.32
14,066.0	90.50	0.90	11,789.4	2,124.9	67.7	2,125.2	0.53	0.00	0.53
14,161.0	90.70	1.60	11,788.4	2,219.8	69.8	2,220.2	0.77	0.21	0.74
14,255.0	90.50	0.70	11,787.5	2,313.8	71.7	2,314.2	0.98	-0.21	-0.96
14,350.0	90.50	0.60	11,786.6	2,408.8	72.7	2,409.2	0.11	0.00	-0.11
14,444.0	90.20	0.80	11,786.1	2,502.8	73.9	2,503.1	0.38	-0.32	0.21
14,538.0	89.80	0.20	11,786.1	2,596.8	74.7	2,597.1	0.77	-0.43	-0.64
14,633.0	89.30	1.10	11,786.8	2,691.8	75.8	2,692.1	1.08	-0.53	0.95
14,728.0	89.50	0.60	11,787.8	2,786.8	77.2	2,787.1	0.57	0.21	-0.53
14,822.0	89.80	1.40	11,788.4	2,880.8	78.8	2,881.1	0.91	0.32	0.85
14,918.0	89.80	358.60	11,788.7	2,976.7	78.8	2,977.1	2.92	0.00	-2.92
15,012.0	89.80	358.50	11,789.0	3,070.7	76.5	3,071.1	0.11	0.00	-0.11
15,107.0	89.60	358.50	11,789.5	3,165.7	74.0	3,166.0	0.21	-0.21	0.00
15,201.0	89.50	358.70	11,790.3	3,259.6	71.7	3,260.0	0.24	-0.11	0.21
15,295.0	89.50	358.50	11,791.1	3,353.6	69.4	3,353.9	0.21	0.00	-0.21
15,390.0	89.70	358.50	11,791.7	3,448.6	66.9	3,448.9	0.21	0.21	0.00
15,484.0	89.70	359.20	11,792.2	3,542.6	65.0	3,542.8	0.74	0.00	0.74
15,579.0	90.40	359.50	11,792.2	3,637.6	63.9	3,637.8	0.80	0.74	0.32
15,675.0	91.10	0.20	11,790.9	3,733.5	63.7	3,733.8	1.03	0.73	0.73
15,770.0	91.20	0.30	11,789.0	3,828.5	64.1	3,828.8	0.15	0.11	0.11
15,864.0	91.20	0.60	11,787.0	3,922.5	64.8	3,922.8	0.32	0.00	0.32
15,959.0	91.60	1.00	11,784.7	4,017.5	66.2	4,017.7	0.60	0.42	0.42



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Coltrane 36/25 WOPi Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3301+27 @ 3328.0usft
Site:	Section 36 25-25S-31E Coltrane	MD Reference:	3301+27 @ 3328.0usft
Well:	Coltrane 36/25 WOPi Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

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)
16,053.0	90.10	0.30	11,783.3	4,111.4	67.2	4,111.7	1.76	-1.60	-0.74
16,147.0	90.00	0.90	11,783.2	4,205.4	68.2	4,205.7	0.65	-0.11	0.64
16,241.0	90.20	0.20	11,783.1	4,299.4	69.1	4,299.7	0.77	0.21	-0.74
16,336.0	89.50	0.50	11,783.3	4,394.4	69.7	4,394.7	0.80	-0.74	0.32
16,430.0	89.40	0.00	11,784.2	4,488.4	70.1	4,488.7	0.54	-0.11	-0.53
16,525.0	89.90	0.00	11,784.8	4,583.4	70.1	4,583.7	0.53	0.53	0.00
16,620.0	89.60	0.10	11,785.2	4,678.4	70.2	4,678.7	0.33	-0.32	0.11
16,714.0	91.10	359.40	11,784.6	4,772.4	69.8	4,772.7	1.76	1.60	-0.74
16,808.0	88.30	358.20	11,785.1	4,866.4	67.8	4,866.7	3.24	-2.98	-1.28
16,903.0	89.60	357.30	11,786.9	4,961.3	64.1	4,961.6	1.66	1.37	-0.95
17,000.0	89.40	357.70	11,787.7	5,058.2	59.8	5,058.4	0.46	-0.21	0.41
17,094.0	89.50	357.70	11,788.6	5,152.1	56.1	5,152.3	0.11	0.11	0.00
17,189.0	89.60	357.70	11,789.4	5,247.0	52.3	5,247.2	0.11	0.11	0.00
17,284.0	90.40	358.50	11,789.4	5,342.0	49.1	5,342.2	1.19	0.84	0.84
17,378.0	90.40	358.10	11,788.7	5,435.9	46.3	5,436.1	0.43	0.00	-0.43
17,473.0	90.20	357.80	11,788.2	5,530.9	42.9	5,531.0	0.38	-0.21	-0.32
17,568.0	89.60	357.10	11,788.4	5,625.8	38.7	5,625.9	0.97	-0.63	-0.74
17,662.0	90.00	358.20	11,788.7	5,719.7	34.8	5,719.8	1.25	0.43	1.17
17,757.0	91.60	359.10	11,787.4	5,814.7	32.6	5,814.7	1.93	1.68	0.95
17,846.0	90.40	0.00	11,785.8	5,903.6	31.9	5,903.7	1.69	-1.35	1.01
17,941.0	90.90	0.00	11,784.7	5,998.6	31.9	5,998.7	0.53	0.53	0.00
18,036.0	90.00	3.70	11,784.0	6,093.6	35.0	6,093.7	4.01	-0.95	3.89
18,130.0	89.90	5.10	11,784.1	6,187.3	42.2	6,187.4	1.49	-0.11	1.49
18,225.0	89.30	4.40	11,784.7	6,282.0	50.0	6,282.1	0.97	-0.63	-0.74
18,320.0	90.30	3.50	11,785.1	6,376.7	56.6	6,376.9	1.42	1.05	-0.95
18,415.0	90.00	3.90	11,784.8	6,471.5	62.7	6,471.8	0.53	-0.32	0.42
18,510.0	90.10	5.10	11,784.7	6,566.2	70.2	6,566.5	1.27	0.11	1.26
18,606.0	89.20	3.00	11,785.3	6,662.0	77.0	6,662.3	2.38	-0.94	-2.19
18,700.0	89.10	359.60	11,786.7	6,755.9	79.1	6,756.3	3.62	-0.11	-3.62
18,795.0	89.90	356.50	11,787.6	6,850.9	75.9	6,851.2	3.37	0.84	-3.26
18,890.0	89.90	353.30	11,787.7	6,945.5	67.4	6,945.7	3.37	0.00	-3.37
18,985.0	90.20	352.60	11,787.6	7,039.8	55.8	7,039.9	0.80	0.32	-0.74
19,080.0	89.50	352.50	11,787.9	7,134.0	43.4	7,134.1	0.74	-0.74	-0.11
19,104.0	91.00	354.50	11,787.8	7,157.8	40.7	7,157.9	10.42	6.25	8.33
19,131.7	91.00	354.50	11,787.3	7,185.4	38.1	7,185.5	0.00	0.00	0.00
PBHL 1H									
19,143.0	91.00	354.50	11,787.1	7,196.6	37.0	7,196.7	0.00	0.00	0.00



Stryker Energy Directional Services
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Coltrane 36/25 WOPi Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3301+27 @ 3328.0usft
Site:	Section 36 25-25S-31E Coltrane	MD Reference:	3301+27 @ 3328.0usft
Well:	Coltrane 36/25 WOPi Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
19,143.0	11,787.1	7,196.6	37.0	19143.0' Projected to bit

Checked By: _____ Approved By: _____ Date: _____



January 17, 2020

New Mexico Energy, Minerals and Natural Resources Department
Attn: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Attn: Jackie Lathan

Re: Mewbourne Oil Company
Coltrane 36 25 W0PI Federal Com #001H
Purple Sage; Wolfcamp
Eddy County, New Mexico
API# 30-015-46210

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
Glenn Thompson	Original Hole	1,303ft. to 19,131ft.	09-07-19 to 09-28-19	MWD Survey

A certified plat on which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone

number.

A handwritten signature in black ink, appearing to read "Eric Estes", is written over a horizontal line.

Eric Estes

Enclosures

CC:

Mewbourne Oil Company
Attn: Frosty Lathan
P.O. Box 5720
Hobbs, NM 88241

Mewbourne Oil Company
Attn: Robin Terrell
P.O. Box 5720
Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\Coltrane 36 25 W0PI Fed Com #1HM191170

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163



January 17, 2020

Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Eric Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of September 7, 2019, through September 28, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 1,303 feet to a depth of 19,131 feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Coltrane 36 25 W0PI Federal Com #001H, well API # **30-015-46210** in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

A handwritten signature in black ink, appearing to read "Eric Estes", is written over a horizontal line.

Eric Estes

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

**STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163**



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 36 25-25S-31E Coltrane
Well: Coltrane 36/25 W0P1 Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Coltrane 36/25 W0P1 Fed Com #1H
TVD Reference: 3301+27 @ 3328.0usft
MD Reference: 3301+27 @ 3328.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey Program		Date		10/01/19											
From (usft)	To (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (")	DLeg ("/100usft)	Northing (usft)	Easting (usft)				
Survey															
100.0	1,200.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.00	393,606.00	729,938.80				
1,303.0	19,143.0	0.35	186.90	100.0	-0.3	0.0	0.3	186.90	0.35	393,605.70	729,938.76				
		0.43	214.31	200.0	-0.9	-0.3	1.0	197.27	0.20	393,605.08	729,938.52				
		0.29	66.54	300.0	-1.1	-0.3	1.2	193.21	0.69	393,604.87	729,938.54				
		0.53	166.18	400.0	-1.5	0.1	1.5	176.96	0.65	393,604.53	729,938.88				
		0.42	141.84	500.0	-2.2	0.4	2.2	169.36	0.23	393,603.79	729,939.22				
		0.80	133.08	600.0	-3.0	1.2	3.2	158.85	0.39	393,603.02	729,939.95				
		1.57	76.27	700.0	-3.1	3.0	4.3	136.27	1.32	393,602.87	729,941.79				
		2.70	39.41	799.9	-1.0	5.8	5.9	99.59	1.72	393,605.02	729,944.62				
		2.94	358.31	899.8	3.4	7.2	8.0	64.84	1.89	393,609.40	729,946.04				
1,000.0		3.88	335.95	999.6	9.1	5.8	10.7	32.57	1.61	393,615.05	729,944.58				
1,100.0		2.87	51.78	1,099.5	13.7	6.4	15.1	24.95	4.22	393,619.69	729,945.17				
1,200.0		2.39	78.11	1,199.4	15.7	10.4	18.8	33.51	1.29	393,621.67	729,949.18				
1,303.0		3.10	85.70	1,302.3	16.3	15.3	22.3	43.07	0.77	393,622.32	729,954.06				
1,492.0		1.60	106.60	1,491.1	16.0	22.9	27.9	55.12	0.90	393,621.95	729,961.68				
1,586.0		2.10	101.30	1,585.1	15.2	25.8	30.0	59.46	0.56	393,621.24	729,964.63				
1,778.0		1.90	92.20	1,776.9	14.4	32.5	35.5	66.03	0.20	393,620.43	729,971.26				
1,968.0		0.50	228.50	1,966.9	13.8	35.0	37.6	68.53	1.20	393,619.76	729,973.79				
2,157.0		1.30	250.40	2,155.9	12.5	32.3	34.7	68.88	0.45	393,618.49	729,971.15				
2,347.0		1.50	227.10	2,345.8	10.1	28.5	30.2	70.52	0.31	393,616.08	729,967.30				
2,536.0		1.80	243.80	2,534.7	7.1	24.0	25.0	73.57	0.30	393,613.08	729,962.82				



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 36 25-25S-31E Coltrane
Well: Coltrane 36/25 W0P1 Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference:
TVD Reference: 3301+27 @ 3328.0usft
MD Reference: 3301+27 @ 3328.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
	2,725.0	1.50	248.30	2,723.7	4.9	19.1	19.7	75.70	0.17	393,610.86	729,957.86
	2,915.0	1.70	250.40	2,913.6	3.0	14.1	14.4	78.01	0.11	393,608.99	729,952.89
	3,104.0	1.80	247.80	3,102.5	0.9	8.7	8.8	83.89	0.07	393,606.93	729,947.51
	3,294.0	1.50	228.10	3,292.4	-1.9	4.1	4.5	114.41	0.34	393,604.14	729,942.89
	3,482.0	1.60	189.30	3,480.4	-6.1	1.8	6.4	163.22	0.55	393,599.91	729,940.64
	3,671.0	1.70	181.50	3,669.3	-11.5	1.3	11.6	173.37	0.13	393,594.50	729,940.14
	3,860.0	2.50	168.50	3,858.2	-18.3	2.1	18.5	173.51	0.49	393,587.66	729,940.88
	4,050.0	3.40	160.20	4,047.9	-27.7	4.8	28.1	170.13	0.52	393,578.30	729,943.62
	4,199.0	4.20	164.70	4,196.6	-37.1	7.8	37.9	168.20	0.57	393,568.88	729,946.56
	4,249.0	4.80	170.70	4,246.4	-41.0	8.6	41.8	168.17	1.52	393,565.05	729,947.38
	4,438.0	4.00	174.00	4,434.9	-55.3	10.5	56.3	169.21	0.44	393,550.69	729,949.34
	4,627.0	3.40	181.60	4,623.5	-67.5	11.1	68.4	170.68	0.41	393,538.53	729,949.88
	4,816.0	3.80	179.10	4,812.1	-79.3	11.0	80.1	172.09	0.23	393,526.67	729,949.82
	5,004.0	3.50	175.90	4,999.7	-91.3	11.5	92.0	172.80	0.19	393,514.71	729,950.33
	5,194.0	3.10	181.50	5,189.4	-102.2	11.8	102.9	173.41	0.27	393,503.79	729,950.61
	5,384.0	3.30	178.20	5,379.1	-112.8	11.8	113.4	174.01	0.14	393,493.19	729,950.64
	5,574.0	2.90	173.50	5,568.8	-123.1	12.6	123.7	174.17	0.25	393,482.96	729,951.36
	5,763.0	3.10	183.10	5,757.6	-132.9	12.8	133.5	174.49	0.29	393,473.10	729,951.62
	5,951.0	2.70	184.50	5,945.3	-142.4	12.2	142.9	175.10	0.22	393,463.61	729,951.00
	6,139.0	3.10	183.70	6,133.1	-151.9	11.5	152.3	175.66	0.21	393,454.12	729,950.33
	6,329.0	2.90	185.90	6,322.8	-161.8	10.7	162.1	176.22	0.12	393,444.21	729,949.50
	6,516.0	2.70	187.30	6,509.6	-170.9	9.7	171.1	176.77	0.11	393,435.14	729,948.46
	6,705.0	4.40	159.90	6,698.2	-182.1	11.6	182.5	176.36	1.25	393,423.91	729,950.38
	6,894.0	4.10	167.90	6,886.7	-195.5	15.6	196.1	175.47	0.35	393,410.50	729,954.29
	7,082.0	4.10	165.50	7,074.2	-208.6	18.6	209.4	174.91	0.09	393,397.42	729,957.38
	7,272.0	3.40	165.80	7,263.8	-220.6	21.7	221.7	174.39	0.37	393,385.38	729,960.46
	7,461.0	2.90	166.30	7,452.6	-230.7	24.2	232.0	174.02	0.26	393,375.30	729,962.97



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 36 25-25S-31E Coltrane
Well: Coltrane 36/25 W0PI Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Collar 36/25 W0PI Fed Com #1H
TVD Reference: 3301+27 @ 3328.0usft
MD Reference: 3301+27 @ 3328.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
	7,649.0	2.90	166.10	7,640.3	-239.9	26.4	241.4	173.71	0.01	393,366.07	729,965.24
	7,838.0	2.90	164.80	7,829.1	-249.2	28.8	250.9	173.40	0.03	393,356.81	729,967.64
	8,027.0	2.80	165.80	8,017.8	-258.3	31.2	260.2	173.11	0.06	393,347.72	729,970.03
	8,216.0	3.60	148.20	8,206.5	-267.8	35.5	270.1	172.45	0.67	393,338.20	729,974.29
	8,406.0	2.90	159.00	8,396.2	-277.4	40.4	280.3	171.72	0.49	393,328.65	729,979.15
	8,596.0	1.90	159.90	8,586.1	-284.8	43.2	288.1	171.38	0.53	393,321.20	729,981.96
	8,785.0	2.60	154.50	8,774.9	-291.6	46.1	295.2	171.02	0.39	393,314.39	729,984.88
	8,975.0	2.60	158.50	8,964.7	-299.5	49.5	303.6	170.61	0.10	393,306.49	729,988.32
	9,164.0	2.10	157.20	9,153.6	-306.7	52.4	311.1	170.30	0.27	393,299.31	729,991.23
	9,353.0	2.80	132.80	9,342.4	-313.0	57.2	318.2	169.65	0.66	393,292.98	729,995.96
	9,542.0	2.90	133.30	9,531.2	-319.4	64.0	325.8	168.67	0.05	393,286.56	730,002.82
	9,730.0	2.60	129.20	9,719.0	-325.4	70.8	333.0	167.73	0.19	393,280.61	730,009.59
	9,920.0	3.40	139.50	9,908.7	-332.4	77.8	341.4	166.83	0.51	393,273.60	730,016.59
	10,108.0	3.10	153.80	10,096.4	-341.2	83.7	351.3	166.22	0.46	393,264.80	730,022.45
	10,297.0	4.30	167.90	10,285.0	-352.7	87.4	363.4	166.08	0.79	393,253.29	730,026.20
	10,486.0	4.00	170.80	10,473.5	-366.1	89.9	377.0	166.20	0.19	393,239.85	730,028.73
	10,675.0	3.50	173.70	10,662.1	-378.4	91.6	389.3	166.39	0.28	393,227.61	730,030.42
	10,864.0	1.00	187.70	10,850.9	-385.8	92.0	396.6	166.58	1.34	393,220.24	730,030.83
	11,053.0	1.10	233.40	11,039.9	-388.5	90.4	398.8	166.91	0.43	393,217.52	730,029.16
	11,242.0	0.90	235.20	11,228.9	-390.4	87.7	400.1	167.34	0.11	393,215.59	730,028.48
	11,263.2	1.00	283.64	11,250.1	-390.5	87.4	400.1	167.39	3.70	393,215.54	730,028.16
BB 1H											
	11,289.0	1.70	312.40	11,275.9	-390.1	86.9	399.7	167.45	3.70	393,215.85	730,025.66
	11,321.0	6.30	343.40	11,307.8	-388.1	86.0	397.6	167.51	15.38	393,217.86	730,024.81
	11,352.0	11.00	354.90	11,338.4	-383.6	85.3	392.9	167.47	16.08	393,222.44	730,024.06
	11,384.0	15.10	354.80	11,369.6	-376.4	84.6	385.8	167.33	12.81	393,229.63	730,023.41
	11,415.0	19.60	356.30	11,399.2	-367.2	83.9	376.6	167.13	14.59	393,238.85	730,022.71

Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 36 25-26S-31E Coltrane
Well: Coltrane 36/25 WOPF Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference:
TVD Reference: Well Collar 36/25 WOPF Fed Com #1H
MD Reference: 3301+27 @ 3328.0usft
North Reference: 3301+27 @ 3328.0usft
Survey Calculation Method: Grid
Database: Minimum Curvature
 EDM5000

Survey	MD (usft)	Ino (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
	11,447.0	23.10	357.80	11,428.0	-355.5	83.3	365.2	166.81	11.07	393,250.48	730,022.12
	11,478.0	26.50	359.20	11,457.1	-342.5	83.0	352.4	166.38	11.13	393,263.47	730,021.79
	11,510.0	30.20	0.00	11,485.3	-327.3	82.9	337.7	165.79	11.62	393,278.67	730,021.69
	11,542.0	33.30	1.20	11,512.5	-310.5	83.1	321.4	165.02	9.89	393,295.50	730,021.88
	11,573.0	36.00	1.60	11,538.0	-292.9	83.5	304.6	164.09	8.74	393,313.12	730,022.31
	11,605.0	39.10	1.20	11,563.3	-273.4	84.0	286.0	162.92	9.72	393,332.61	730,022.78
	11,637.0	42.80	0.00	11,587.5	-252.4	84.2	266.1	161.55	11.82	393,353.58	730,022.99
	11,668.0	46.20	358.50	11,609.6	-230.7	83.9	245.5	160.01	11.48	393,375.30	730,022.70
	11,700.0	49.80	357.70	11,631.1	-207.0	83.1	223.0	158.12	10.79	393,399.03	730,021.91
	11,731.0	53.30	357.40	11,650.4	-182.8	82.1	200.3	155.82	11.96	393,423.25	730,020.87
	11,763.0	56.50	357.90	11,668.8	-156.6	81.0	176.3	152.65	10.08	393,449.40	730,019.80
	11,794.0	59.70	358.40	11,685.2	-130.3	80.2	153.0	148.40	10.41	393,475.70	730,018.95
	11,880.0	66.20	0.10	11,724.3	-53.8	79.2	95.7	124.17	7.76	393,552.24	730,017.98
	11,883.1	66.47	0.07	11,725.5	-50.9	79.2	94.1	122.74	8.76	393,555.09	730,017.99
LP 1H											
	11,911.0	68.90	359.80	11,736.1	-25.1	79.2	83.0	107.60	8.76	393,580.89	730,017.96
	11,943.0	73.80	359.60	11,746.3	5.2	79.0	79.2	86.23	15.32	393,611.20	730,017.80
	11,974.0	78.40	0.30	11,753.8	35.3	79.0	86.5	65.92	15.00	393,641.29	730,017.77
	12,005.0	80.30	2.00	11,759.5	65.7	79.6	103.2	50.44	8.16	393,671.74	730,018.39
	12,037.0	82.90	2.50	11,764.2	97.4	80.8	126.6	39.70	8.27	393,703.37	730,019.63
	12,068.0	84.70	2.60	11,767.5	128.2	82.2	152.3	32.68	5.82	393,734.16	730,021.00
	12,100.0	85.70	1.20	11,770.2	160.0	83.3	180.4	27.49	5.36	393,766.03	730,022.06
	12,132.0	87.10	358.30	11,772.2	192.0	83.1	209.2	23.41	10.05	393,797.96	730,021.92
	12,163.0	87.80	358.30	11,773.6	222.9	82.2	237.6	20.24	2.26	393,828.92	730,021.00
	12,195.0	86.80	358.00	11,775.1	254.9	81.2	267.5	17.67	3.26	393,860.86	730,019.97
	12,257.0	87.10	359.10	11,778.4	316.8	79.6	326.6	14.11	1.84	393,922.76	730,018.40
	12,352.0	87.70	357.00	11,782.7	411.6	76.4	418.6	10.51	2.30	394,017.60	730,015.17



Stryker Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 36 25-26S-31E Coltrane
Well: Coltrane 36/25 WOPF Fed Com #1H
Design: Original Hole

Local Co-ordinate Reference: Well Coltrane 36/25 WOPF Fed Com #1H
TVD Reference: 3301+27 @ 3328.0usft
MD Reference: 3301+27 @ 3328.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
	12,446.0	87.50	357.20	11,786.6	505.4	71.6	510.4	8.07	0.30	394,111.39	730,010.42
	12,540.0	90.50	1.50	11,788.3	599.3	70.6	603.5	6.71	5.58	394,205.34	730,009.36
	12,635.0	90.80	1.90	11,787.2	694.3	73.4	698.2	6.03	0.53	394,300.29	730,012.17
	12,730.0	90.90	2.20	11,785.8	789.2	76.8	792.9	5.56	0.33	394,395.22	730,015.57
	12,824.0	89.80	359.30	11,785.2	883.2	78.0	886.6	5.05	3.30	394,489.20	730,016.80
	12,932.0	88.60	358.60	11,786.7	991.2	76.0	994.1	4.39	1.29	394,597.17	730,014.82
	13,026.0	88.70	358.70	11,788.9	1,085.1	73.8	1,087.6	3.99	0.15	394,691.12	730,012.61
	13,121.0	89.40	358.50	11,790.5	1,180.1	71.5	1,182.2	3.47	0.77	394,786.07	730,010.29
	13,216.0	89.60	359.30	11,791.3	1,275.1	69.7	1,277.0	3.13	0.87	394,881.05	730,008.47
	13,310.0	90.20	358.40	11,791.5	1,369.0	67.8	1,370.7	2.83	1.15	394,975.03	730,006.58
	13,405.0	90.30	357.90	11,791.1	1,464.0	64.7	1,465.4	2.53	0.54	395,069.98	730,003.51
	13,499.0	89.20	358.70	11,791.5	1,557.9	61.9	1,559.2	2.28	1.45	395,163.94	730,000.72
	13,593.0	90.10	0.80	11,792.1	1,651.9	61.5	1,653.1	2.13	2.43	395,257.93	730,000.31
	13,688.0	90.20	1.30	11,791.8	1,746.9	63.3	1,748.1	2.07	0.54	395,352.91	730,002.05
	13,782.0	90.00	0.50	11,791.7	1,840.9	64.7	1,842.0	2.01	0.88	395,446.90	730,003.53
	13,877.0	90.60	0.70	11,791.2	1,935.9	65.7	1,937.0	1.94	0.67	395,541.89	730,004.53
	13,972.0	90.50	0.40	11,790.3	2,030.9	66.6	2,032.0	1.88	0.33	395,636.88	730,005.44
	14,066.0	90.50	0.90	11,789.4	2,124.9	67.7	2,126.0	1.82	0.53	395,730.87	730,006.50
	14,161.0	90.70	1.60	11,788.4	2,219.8	69.8	2,220.9	1.80	0.77	395,825.84	730,008.58
	14,255.0	90.50	0.70	11,787.5	2,313.8	71.7	2,314.9	1.77	0.96	395,919.82	730,010.46
	14,350.0	90.50	0.60	11,786.6	2,408.8	72.7	2,409.9	1.73	0.11	396,014.81	730,011.54
	14,444.0	90.20	0.80	11,786.1	2,502.8	73.9	2,503.9	1.69	0.38	396,108.80	730,012.69
	14,538.0	89.80	0.20	11,786.1	2,596.8	74.7	2,597.9	1.65	0.77	396,202.80	730,013.51
	14,633.0	89.30	1.10	11,786.8	2,691.8	75.8	2,692.9	1.61	1.08	396,297.79	730,014.59
	14,728.0	89.50	0.60	11,787.8	2,786.8	77.2	2,787.8	1.59	0.57	396,392.77	730,016.00
	14,822.0	89.90	1.40	11,788.4	2,880.8	78.8	2,881.8	1.57	0.91	396,486.75	730,017.64
	14,918.0	89.90	358.60	11,788.7	2,976.7	78.9	2,977.8	1.52	2.92	396,582.74	730,017.64



Stryker Energy Directional Services

Survey Report Landscape



Company: Newbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 36 25-25S-31E Coltrane
Well: Coltrane 36/25 WOP1 Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference:
TVD Reference: 3301+27 @ 3328.0usft
MD Reference: 3301+27 @ 3328.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Well Coltrane 36/25 WOP1 Fed Com #1H

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
	15,012.0	89.80	358.50	11,789.0	3,070.7	76.5	3,071.7	1.43	0.11	396,676.71	730,016.26
	15,107.0	89.60	358.50	11,789.5	3,165.7	74.0	3,166.5	1.34	0.21	396,771.68	730,012.77
	15,201.0	89.50	358.70	11,790.3	3,259.6	71.7	3,260.4	1.26	0.24	396,865.65	730,010.47
	15,295.0	89.50	358.50	11,791.1	3,353.6	69.4	3,354.3	1.19	0.21	396,959.62	730,008.18
	15,390.0	89.70	358.50	11,791.7	3,448.6	66.9	3,449.2	1.11	0.21	397,054.58	730,005.69
	15,484.0	89.70	359.20	11,792.2	3,542.6	65.0	3,543.2	1.05	0.74	397,148.56	730,003.80
	15,579.0	90.40	359.50	11,792.2	3,637.6	63.9	3,638.1	1.01	0.80	397,243.55	730,002.73
	15,675.0	91.10	0.20	11,790.9	3,733.5	63.7	3,734.1	0.98	1.03	397,339.54	730,002.48
	15,770.0	91.20	0.30	11,789.0	3,828.5	64.1	3,829.1	0.96	0.15	397,434.52	730,002.89
	15,864.0	91.20	0.60	11,787.0	3,922.5	64.8	3,923.0	0.95	0.32	397,528.50	730,003.63
	15,959.0	91.60	1.00	11,784.7	4,017.5	66.2	4,018.0	0.94	0.60	397,623.46	730,004.95
	16,053.0	90.10	0.30	11,783.3	4,111.4	67.2	4,112.0	0.94	1.76	397,717.44	730,006.02
	16,147.0	90.00	0.90	11,783.2	4,205.4	68.2	4,206.0	0.93	0.65	397,811.44	730,007.00
	16,241.0	90.20	0.20	11,783.1	4,299.4	69.1	4,300.0	0.92	0.77	397,905.43	730,007.91
	16,336.0	89.50	0.50	11,783.3	4,394.4	69.7	4,395.0	0.91	0.80	398,000.43	730,008.49
	16,430.0	89.40	0.00	11,784.2	4,488.4	70.1	4,489.0	0.89	0.54	398,094.42	730,008.90
	16,525.0	89.90	0.00	11,784.8	4,583.4	70.1	4,584.0	0.88	0.53	398,189.42	730,008.90
	16,620.0	89.60	0.10	11,785.2	4,678.4	70.2	4,678.9	0.86	0.33	398,284.42	730,008.98
	16,714.0	91.10	359.40	11,784.6	4,772.4	69.8	4,772.9	0.84	1.76	398,378.41	730,008.57
	16,808.0	88.30	358.20	11,785.1	4,866.4	67.8	4,866.9	0.80	3.24	398,472.38	730,006.60
	16,903.0	89.60	357.30	11,786.9	4,961.3	64.1	4,961.7	0.74	1.66	398,567.29	730,002.87
	17,000.0	89.40	357.70	11,787.7	5,058.2	59.8	5,058.5	0.68	0.46	398,664.19	729,998.64
	17,094.0	88.50	357.70	11,788.6	5,152.1	56.1	5,152.4	0.62	0.11	398,758.11	729,994.87
	17,189.0	89.60	357.70	11,789.4	5,247.0	52.3	5,247.3	0.57	0.11	398,853.03	729,991.06
	17,284.0	90.40	356.50	11,789.4	5,342.0	49.1	5,342.2	0.53	1.19	398,947.98	729,987.91
	17,378.0	90.40	356.10	11,788.7	5,435.9	46.3	5,436.1	0.49	0.43	399,041.94	729,985.12
	17,473.0	90.20	357.80	11,788.2	5,530.9	42.9	5,531.0	0.44	0.38	399,136.87	729,981.72



Stryker Energy Directional Services

Survey Report Landscape



Company: Newbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 36 25-25S-31E Coltrane
Well: Coltrane 36/25 W0PI Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Coltrane 36/25 W0PI Fed Com #1H
TVD Reference: 3301+27 @ 3328.0usft
MD Reference: 3301+27 @ 3328.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
	17,568.0	89.60	357.10	11,788.4	5,625.8	38.7	5,625.9	0.39	0.97	399,231.78	729,977.49
	17,662.0	90.00	358.20	11,788.7	5,719.7	34.8	5,719.8	0.35	1.25	399,325.70	729,973.64
	17,757.0	91.60	359.10	11,787.4	5,814.7	32.6	5,814.7	0.32	1.93	399,420.66	729,971.40
	17,846.0	90.40	0.00	11,785.8	5,903.6	31.9	5,903.7	0.31	1.69	399,509.64	729,970.70
	17,941.0	90.90	0.00	11,784.7	5,998.6	31.9	5,998.7	0.30	0.53	399,604.63	729,970.70
	18,036.0	90.00	3.70	11,784.0	6,093.6	35.0	6,093.7	0.33	4.01	399,699.56	729,973.77
	18,130.0	89.90	5.10	11,784.1	6,187.3	42.2	6,187.4	0.39	1.49	399,793.28	729,980.98
	18,225.0	89.30	4.40	11,784.7	6,282.0	50.0	6,282.2	0.46	0.97	399,887.95	729,988.85
	18,320.0	90.30	3.50	11,785.1	6,376.7	56.6	6,377.0	0.51	1.42	399,982.72	729,995.39
	18,415.0	90.00	3.90	11,784.8	6,471.5	62.7	6,471.8	0.56	0.53	400,077.53	730,001.52
	18,510.0	90.10	5.10	11,784.7	6,566.2	70.2	6,566.5	0.61	1.27	400,172.23	730,008.98
	18,606.0	89.20	3.00	11,785.3	6,662.0	77.0	6,662.4	0.66	2.38	400,267.98	730,015.75
	18,700.0	89.10	359.60	11,786.7	6,755.9	79.1	6,756.4	0.67	3.62	400,361.93	730,017.89
	18,795.0	89.90	356.50	11,787.6	6,850.9	75.9	6,851.3	0.63	3.37	400,456.86	730,014.65
	18,890.0	89.90	353.30	11,787.7	6,945.5	67.4	6,945.8	0.56	3.37	400,551.48	730,006.21
	18,985.0	90.20	352.60	11,787.6	7,039.8	55.8	7,040.0	0.45	0.80	400,645.76	729,994.55
	19,080.0	89.50	352.50	11,787.9	7,134.0	43.4	7,134.1	0.35	0.74	400,739.95	729,982.23
	19,104.0	91.00	354.50	11,787.8	7,157.8	40.7	7,157.9	0.33	10.42	400,763.80	729,979.52
	19,131.7	91.00	354.50	11,787.3	7,185.4	38.1	7,185.5	0.30	0.00	400,791.38	729,976.86
PBHL 1H	19,143.0	91.00	354.50	11,787.1	7,196.6	37.0	7,196.7	0.29	0.00	400,802.61	729,975.78

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
19,143.0	11,787.1	7,196.6	37.0	19143.0' Projected to bit

Intent ☐ As Drilled ☒

API # 30-015-46210		Operator Name: Mewbourne Oil Company		Property Name: Coltrane 36/25 W0PI Federal Com		Well Number #1H	
-----------------------	--	---	--	---	--	--------------------	--

Kick Off Point (KOP)

UL P	Section 36	Township 25N	Range 31E	Lot	Feet 9	From N/S S	Feet 323	From E/W E	County Edley
Latitude 32.0795656					Longitude -103.7241194				NAD 83

First Take Point (FTP)

UL P	Section 36	Township 25N	Range 31E	Lot	Feet 346	From N/S S	Feet 330	From E/W E	County Edley
Latitude 32.0804558					Longitude -103.7241353				NAD 83

Last Take Point (LTP)

UL I	Section 25	Township 25N	Range 31E	Lot	Feet 2300	From N/S S	Feet 336	From E/W E	County Edley
Latitude 32.1003617					Longitude -103.7241331				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

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

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			5. Lease Serial No. NMNM19619		
2. Name of Operator MEWBOURNE OIL COMPANY Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com			6. If Indian, Allottee or Tribe Name		
3. Address P O BOX 5270 HOBBS, NM 88241			7. Unit or CA Agreement Name and No.		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 36 T25S R31E Mer NMP At surface SESE 400FSL 410FEL 32.080639 N Lat, 103.724388 W Lon At top prod interval reported below Sec 25 T25S R31E Mer NMP At total depth NESE 2310FSL 330FEL 32.100391 N Lat, 103.724121 W Lon			8. Lease Name and Well No. COLTRANE 36/25 WOPI FED COM 1H 9. API Well No. 30-015-46210-00-S1		
14. Date Spudded 09/02/2019			15. Date T.D. Reached 09/28/2019		
16. Date Completed ☐ D & A ☒ Ready to Prod. 01/24/2020			10. Field and Pool, or Exploratory PURPLE SAGE-WOLFCAMP (GAS) 11. Sec., T., R., M., or Block and Survey or Area Sec 36 T25S R31E Mer NMP 12. County or Parish EDDY 13. State NM		
17. Elevations (DF, KB, RT, GL)* 3301 GL			18. Total Depth: MD 19143 TVD 11788		
19. Plug Back T.D.: MD 19122 TVD 11788			20. Depth Bridge Plug Set: MD TVD		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) EXEMPTFROMLOGGI			22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)		

23. Casing and Liner Record (Report all strings set in well)

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
26.000	20.000 K55	94.0	0	204		575	137	0	
17.500	13.375 J55	54.5	0	1260		975	137	0	
12.250	9.625 HCL80	40.0	0	4244		1175	379	0	
8.750	7.000 HCP110	29.0	0	11843		825	351	0	
6.125	4.500 HCP110	13.5	11258	19142		475	211	0	

24. Tubing Record

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

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11652	19143	11866 TO 19122	0.390	1620	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11866 TO 19122	17,578,840 GALS SLICKWATER CARRYING 17,549,710# LOCAL 100 MESH SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/24/2020	01/28/2020	24	→	809.0	3342.0	3656.0			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	
25/64	SI	3750.0	→	809	3342	3656	4131	PGW	

28a. Production - Interval B

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 #528440 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

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	11652	19143	OIL & GAS	RUSTLER	1060
				TOP SALT	1449
				CASTILE	2204
				RAMSEY	4123
				DELAWARE	4335
				BRUSHY CANYON	7151
				BONE SPRING	8377
				WOLFCAMP	11652

32. Additional remarks (include plugging procedure):
Exempt from logging.

THIS IS AN AMENDED REPORT SHOWING THE CORRECT API #30-015-46210

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 #528440 Verified by the BLM Well Information System.
For MEWBOURNE OIL COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by JENNIFER SANCHEZ on 09/03/2020 (20JAS0233SE)**

Name (please print) JACKIE LATHAN

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 09/02/2020

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Revisions to Operator-Submitted EC Data for Well Completion #528440

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM19619	NMNM19619
Agreement:		
Operator:	MEWBOURNE OIL COMPANY PO BOX 5270 HOBBS, NM 88241 Ph: 575-393-5905	MEWBOURNE OIL COMPANY P O BOX 5270 HOBBS, NM 88241 Ph: 575.393.5905
Admin Contact:	JACKIE LATHAN REGULATORY E-Mail: jlathan@mewbourne.com Ph: 575-393-5905	JACKIE LATHAN AUTHORIZED REPRESENTATIVE E-Mail: jlathan@mewbourne.com Ph: 575-393-5905
Tech Contact:	JACKIE LATHAN REGULATORY E-Mail: jlathan@mewbourne.com Ph: 575-393-5905	JACKIE LATHAN AUTHORIZED REPRESENTATIVE E-Mail: jlathan@mewbourne.com Ph: 575-393-5905
Well Name: Number:	COLTRANE 36/25 W0PI FED COM 1H	COLTRANE 36/25 W0PI FED COM 1H
Location:		
State:	NM	NM
County:	EDDY	EDDY
S/T/R:	Sec 36 T25S R31E Mer	Sec 36 T25S R31E Mer NMP
Surf Loc:	SESE 400FSL 410FEL	SESE 400FSL 410FEL 32.080639 N Lat, 103.724388 W Lon
Field/Pool:	PURPLE SAGE; WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Logs Run:	EXEMPT FROM LOGGING	EXEMPTFROMLOGGI
Producing Intervals - Formations:	WOLFCAMP	WOLFCAMP
Porous Zones:	WOLFCAMP	WOLFCAMP
Markers:	RUSTLER T/SALT CASTILE B/SALT DELAWARE BRUSHY CANYON BONE SPRING WOLFCAMP	RUSTLER TOP SALT CASTILE RAMSEY DELAWARE BRUSHY CANYON BONE SPRING WOLFCAMP

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 66426

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 66426
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

District I
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Phone:(505) 334-6178 Fax:(505) 334-6170
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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 66426

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 66426
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	12/15/2021