

STRYKER

DIRECTIONAL

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May 15, 2019

SEP 06 2019

DISTRICT 7 - ARTESIA O.C.D.

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

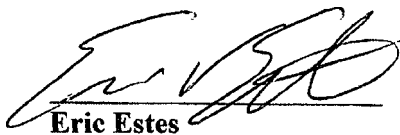
Attn: Jackie Lathan

Re: Mewbourne Oil Company
Rustler Breaks 26 23 W2ML Fee Com #1H
Purple Sage; Wolfcamp
Eddy County, New Mexico
API# 30-015-43938

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>
Greg Morris	Original Hole	726ft. to 18,382ft.	02-12-19 to 03-07-19	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.



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\Rustler Breaks 26 23 W0ML Fee Com #2HM191013

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



May 15, 2019

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 February 12, 2019, through March 7, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 726feet to a depth of 18,382feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Rustler Breaks 26 23 W2ML Fee Com #1H, well API # 30-015-43938 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

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SIGN IN HELP

Wells Operator Data

OCD Permitting

Home Wells Well Details

30-015-43938 RUSTLER BREAKS 26 23 W2ML FEE COM #001H [317045]

General Well Information

Operator: [14744] MEWBOURNE OIL CO
Status: New Direction: Horizontal
Well Type: Gas Multi-Lateral: No
Work Type: New Mineral Owner: Private
Surface Owner: State
Surface Location: D-35-24S-28E 210 FNL 370 FWL
Lat/Long: 32.1907128,-104.0654143 NAD83
GL Elevation: 2970
KB Elevation:
DF Elevation: Sing/Mult Compl: Single
Potash Waiver: False

Quick Links

- [General Well Information](#)
- [History](#)
- [Comments](#)
- [Operator](#)
- [Pds](#)
- [Casing](#)
- [Well Completions](#)
- [Financial Assurance](#)
- [Compliance](#)
- [Complaints Incidents and Spills](#)
- [Orders](#)
- [Production](#)
- [Transporters](#)
- [Points of Disposition](#)

Proposed Formation and/or Notes

WOLFCAMP

Associated Images

- [Well Files](#)
- [Well Logs](#)
- [Administrative Orders](#)

New Searches

- [New Well Search](#)

Depths

Proposed: 17940 Total Vertical Depth: 0
Measured Vertical Depth: 0 Plugback Measured: 0

Formation Tops

Formation	Top	Producing	Method Obtained
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Event Dates

Initial APD Approval: 10/20/2016
Most Recent APD Approval: 10/20/2016 Current APD Expiration: 10/20/2019
APD Cancellation:
APD Extension Approval: 10/01/2018
Spud:
Approved Temporary Gas Capture Plan Received: 10/20/2016
Abandonment: TA Expiration:
Shut In:
Plug and Abandoned Intent PNR Expiration:
Received: Last MIT/BHT:
Well Plugged:
Site Release:
Last Inspection: 08/17/2017

History

Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
10/20/2016	[317045] RUSTLER BREAKS 26 23 W2ML FEE COM	#001H	[14744] MEWBOURNE OIL CO	New	Gas	New		

Comments

Operator

General Contact Information

Company: [14744] MEWBOURNE OIL CO Main Phone: 575-393-5905
Address: P.O. Box 5270 Main Fax: 575-393-7259
Hobbs, NM 88241
Country: U.S.A.

RECEIVED



Stryker Directional MWD Surveys

SEP 06 2019

STRYKER
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DISTRICT//ARTESIAO.C.D.

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Rustler Breaks 26/23 W2ML Fee Com 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2969 + 27 @ 2996.0usft (Patterson 242)
Site:	Section 35 26 23-24S-28E Rustler Breaks 26/23	MD Reference:	2969 + 27 @ 2996.0usft (Patterson 242)
Well:	Rustler Breaks 26/23 W2ML Fee Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	STYKER_EDM

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 35 26 23-24S-28E Rustler Breaks 26/23 W2ML		
Site Position:		Northing:	429,581.20 usft
From:	Map	Easting:	624,226.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 50.566 N
		Longitude:	104° 3' 55.492 W
		Grid Convergence:	0.14 °

Well:	Rustler Breaks 26/23 W2ML Fee Com 1H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			27.0 usft
			Latitude:
			32° 10' 50.566 N
			Longitude:
			104° 3' 55.492 W
			Ground Level:
			2,969.0 usft

Wellbore:	Original Hole		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	12/26/18	(°)
			7.01
			Dip Angle
			(°)
			59.92
			Field Strength
			(nT)
			47,706.53885200

Design:	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			279.03

Survey Program	Date 03/08/19		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
726.0	18,435.0	MWD Survey (Original Hole)	MWD
			Description
			MWD v3:standard declination



Stryker Directional MWD Surveys



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Wellbore: Original Hole
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MD Reference: 2969 + 27 @ 2996.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STYKER_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
572.0	1.90	281.30	571.8	2,424.2	1.6	-14.9	15.0	276.13
726.0	2.30	278.00	725.7	2,270.3	2.5	-20.5	20.6	277.05
853.0	2.80	280.40	852.6	2,143.4	3.4	-26.0	26.3	277.54
1,042.0	3.10	281.10	1,041.3	1,954.7	5.3	-35.6	36.0	278.41
1,232.0	3.00	281.40	1,231.1	1,764.9	7.2	-45.5	46.1	279.03
1,422.0	0.80	207.30	1,421.0	1,575.0	7.0	-51.0	51.5	277.86
1,612.0	1.90	147.40	1,610.9	1,385.1	3.2	-49.9	50.0	273.68
1,803.0	2.20	141.70	1,801.8	1,194.2	-2.3	-45.9	46.0	267.08
1,991.0	3.50	124.40	1,989.5	1,006.5	-8.4	-39.0	39.9	257.81
2,179.0	2.50	134.30	2,177.3	818.7	-14.5	-31.3	34.5	245.10
2,366.0	2.90	128.10	2,364.1	631.9	-20.3	-24.6	31.9	230.54
2,554.0	3.20	133.70	2,551.8	444.2	-26.8	-17.1	31.8	212.50
2,562.0	3.30	136.30	2,559.8	436.2	-27.2	-16.8	31.9	211.71
2,651.0	3.60	135.50	2,648.6	347.4	-31.0	-13.1	33.6	202.83
2,838.0	3.60	136.20	2,835.3	160.7	-39.4	-4.9	39.7	187.05
3,026.0	1.00	212.40	3,023.1	-27.1	-45.1	-1.7	45.1	182.12
3,214.0	1.30	215.10	3,211.1	-215.1	-48.2	-3.8	48.4	184.48
3,402.0	1.20	225.80	3,399.0	-403.0	-51.3	-6.4	51.7	187.12
3,590.0	1.40	224.20	3,587.0	-591.0	-54.3	-9.4	55.2	189.84
3,777.0	1.10	218.70	3,774.0	-778.0	-57.4	-12.1	58.7	191.95
3,965.0	1.10	220.20	3,961.9	-965.9	-60.2	-14.4	61.9	193.49
4,152.0	1.10	228.70	4,148.9	-1,152.9	-62.7	-16.9	65.0	195.11
4,340.0	1.30	215.70	4,336.8	-1,340.8	-65.7	-19.5	68.5	196.58
4,528.0	1.50	216.20	4,524.8	-1,528.8	-69.4	-22.2	72.8	197.78
4,716.0	1.50	229.90	4,712.7	-1,716.7	-72.9	-25.6	77.3	199.32
4,904.0	1.60	233.50	4,900.7	-1,904.7	-76.1	-29.6	81.6	201.24
5,092.0	1.50	222.60	5,088.6	-2,092.6	-79.5	-33.3	86.2	202.76



Stryker Directional MWD Surveys



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 35 26 23-24S-28E Rustler Breaks 26/23
Well: Rustler Breaks 26/23 W2ML Fee Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Rustler Breaks 26/23 W2ML Fee Com 1H
TVD Reference: 2969 + 27 @ 2996.0usft (Patterson 242)
MD Reference: 2969 + 27 @ 2996.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STYKER_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
5,280.0	1.10	231.30	5,276.5	-2,280.5	-82.4	-36.4	90.1	203.84
5,467.0	1.50	227.70	5,463.5	-2,467.5	-85.2	-39.6	93.9	204.95
5,654.0	1.40	221.70	5,650.4	-2,654.4	-88.5	-43.0	98.4	205.89
5,843.0	1.10	219.40	5,839.4	-2,843.4	-91.6	-45.6	102.4	206.48
6,031.0	1.30	214.10	6,027.3	-3,031.3	-94.8	-48.0	106.3	206.85
6,218.0	1.20	202.60	6,214.3	-3,218.3	-98.4	-49.9	110.3	206.91
6,406.0	1.10	176.00	6,402.3	-3,406.3	-102.0	-50.6	113.8	206.37
6,594.0	1.10	145.00	6,590.2	-3,594.2	-105.3	-49.4	116.3	205.14
6,780.0	1.00	160.80	6,776.2	-3,780.2	-108.3	-47.8	118.4	203.84
6,968.0	0.90	128.20	6,964.2	-3,968.2	-110.7	-46.1	120.0	202.62
7,156.0	0.30	339.80	7,152.2	-4,156.2	-111.2	-45.1	120.0	202.10
7,343.0	0.70	357.40	7,339.2	-4,343.2	-109.6	-45.4	118.6	202.49
7,531.0	0.70	34.80	7,527.1	-4,531.1	-107.5	-44.8	116.4	202.61
7,720.0	1.30	75.40	7,716.1	-4,720.1	-106.0	-42.0	114.0	201.63
7,907.0	0.40	113.70	7,903.1	-4,907.1	-105.7	-39.4	112.8	200.43
8,095.0	0.50	347.90	8,091.1	-5,095.1	-105.2	-39.0	112.2	200.32
8,283.0	0.70	321.20	8,279.1	-5,283.1	-103.5	-39.8	110.9	201.06
8,471.0	0.60	253.60	8,467.1	-5,471.1	-102.9	-41.5	110.9	201.97
8,659.0	1.20	225.20	8,655.1	-5,659.1	-104.5	-43.9	113.4	202.76
8,847.0	1.00	232.80	8,843.0	-5,847.0	-106.9	-46.6	116.6	203.53
9,036.0	1.10	226.70	9,032.0	-6,036.0	-109.2	-49.2	119.7	204.26
9,224.0	1.10	258.90	9,220.0	-6,224.0	-110.7	-52.3	122.5	205.27
9,412.0	1.50	48.10	9,407.9	-6,411.9	-109.4	-52.2	121.3	205.50
9,558.0	1.10	41.90	9,553.9	-6,557.9	-107.1	-49.9	118.2	204.96
9,745.0	0.70	22.40	9,740.9	-6,744.9	-104.7	-48.2	115.3	204.72
9,934.0	0.80	2.70	9,929.9	-6,933.9	-102.4	-47.7	112.9	205.00
10,028.0	0.60	346.00	10,023.9	-7,027.9	-101.2	-47.8	111.9	205.28



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Design:	Original Hole	Database:	STYKER_EDM

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
10,059.0	0.50	10.00	10,054.8	-7,058.8	-100.9	-47.8	111.7	205.35	
10,090.0	0.60	2.90	10,085.8	-7,089.8	-100.6	-47.8	111.4	205.40	
10,122.0	2.60	2.40	10,117.8	-7,121.8	-99.7	-47.8	110.6	205.58	
10,153.0	6.00	5.50	10,148.7	-7,152.7	-97.4	-47.6	108.4	206.02	
10,184.0	9.60	4.80	10,179.5	-7,183.5	-93.2	-47.2	104.5	206.85	
10,216.0	13.30	4.70	10,210.8	-7,214.8	-86.9	-46.7	98.6	208.24	
10,247.0	16.80	6.90	10,240.7	-7,244.7	-78.9	-45.8	91.2	210.16	
10,279.0	19.50	6.60	10,271.1	-7,275.1	-69.0	-44.7	82.2	212.92	
10,304.0	21.30	3.40	10,294.6	-7,298.6	-60.3	-43.9	74.6	216.06	
10,336.0	24.70	0.50	10,324.0	-7,328.0	-47.8	-43.5	64.7	222.30	
10,367.0	27.90	359.00	10,351.8	-7,355.8	-34.1	-43.6	55.3	231.96	
10,399.0	31.70	358.40	10,379.6	-7,383.6	-18.2	-44.0	47.6	247.50	
10,430.0	35.00	359.60	10,405.5	-7,409.5	-1.2	-44.2	44.3	268.49	
10,461.0	37.20	0.60	10,430.5	-7,434.5	17.1	-44.2	47.4	291.14	
10,493.0	39.30	0.50	10,455.6	-7,459.6	36.9	-44.0	57.4	309.98	
10,524.0	42.50	359.10	10,479.1	-7,483.1	57.2	-44.1	72.2	322.37	
10,555.0	45.70	357.40	10,501.3	-7,505.3	78.8	-44.8	90.6	330.39	
10,587.0	49.80	356.20	10,522.8	-7,526.8	102.4	-46.1	112.3	335.77	
10,618.0	53.30	356.80	10,542.1	-7,546.1	126.6	-47.6	135.3	339.41	
10,650.0	57.10	357.70	10,560.4	-7,564.4	152.9	-48.8	160.5	342.29	
10,681.0	60.00	358.30	10,576.6	-7,580.6	179.3	-49.7	186.1	344.49	
10,713.0	63.30	358.60	10,591.7	-7,595.7	207.4	-50.5	213.5	346.32	
10,743.0	66.60	358.90	10,604.4	-7,608.4	234.6	-51.1	240.1	347.71	
10,775.0	69.10	359.00	10,616.5	-7,620.5	264.2	-51.6	269.2	348.94	
10,806.0	72.00	359.30	10,626.8	-7,630.8	293.5	-52.1	298.1	349.94	
10,827.0	74.20	359.80	10,632.9	-7,636.9	313.6	-52.2	317.9	350.54	
10,872.0	77.00	0.20	10,644.1	-7,648.1	357.1	-52.2	360.9	351.68	



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10,966.0	81.00	3.10	10,662.1	-7,666.1	449.3	-49.6	452.1	353.71
11,058.0	86.38	1.44	10,672.2	-7,676.2	540.6	-46.0	542.6	355.14
New LP Rustler 26-23 W2ML Fee Com #1H								
11,059.3	86.46	1.41	10,672.3	-7,676.3	542.0	-45.9	543.9	355.16
LP Rustler Breaks 26-23 W2ML Fee Com #1H								
11,060.0	86.50	1.40	10,672.3	-7,676.3	542.7	-45.9	544.6	355.17
11,154.0	88.70	0.90	10,676.2	-7,680.2	636.6	-44.0	638.1	356.04
11,248.0	90.00	1.60	10,677.3	-7,681.3	730.5	-42.0	731.7	356.71
11,342.0	92.50	3.00	10,675.2	-7,679.2	824.4	-38.2	825.3	357.35
11,436.0	91.50	2.90	10,672.0	-7,676.0	918.2	-33.4	918.9	357.92
11,530.0	94.10	5.90	10,667.4	-7,671.4	1,011.8	-26.2	1,012.2	358.52
11,624.0	89.20	2.70	10,664.7	-7,668.7	1,105.5	-19.1	1,105.7	359.01
11,719.0	90.30	4.20	10,665.1	-7,669.1	1,200.3	-13.4	1,200.4	359.36
11,813.0	85.40	0.80	10,668.6	-7,672.6	1,294.1	-9.3	1,294.2	359.59
11,907.0	91.20	1.10	10,671.4	-7,675.4	1,388.0	-7.7	1,388.0	359.68
12,000.0	91.30	1.20	10,669.4	-7,673.4	1,481.0	-5.9	1,481.0	359.77
12,094.0	93.20	1.20	10,665.7	-7,669.7	1,574.9	-3.9	1,574.9	359.86
12,188.0	88.90	357.10	10,664.0	-7,668.0	1,668.8	-5.3	1,668.8	359.82
12,282.0	88.20	357.50	10,666.3	-7,670.3	1,762.7	-9.7	1,762.7	359.68
12,377.0	89.60	359.10	10,668.2	-7,672.2	1,857.6	-12.6	1,857.7	359.61
12,470.0	90.00	359.10	10,668.5	-7,672.5	1,950.6	-14.0	1,950.7	359.59
12,563.0	92.50	359.30	10,666.5	-7,670.5	2,043.6	-15.3	2,043.6	359.57
12,657.0	91.60	358.30	10,663.1	-7,667.1	2,137.5	-17.3	2,137.6	359.54
12,751.0	89.40	357.90	10,662.3	-7,666.3	2,231.4	-20.4	2,231.5	359.48
12,844.0	92.90	357.60	10,660.4	-7,664.4	2,324.3	-24.0	2,324.4	359.41
12,938.0	93.60	358.80	10,655.1	-7,659.1	2,418.1	-27.0	2,418.3	359.36
13,032.0	91.80	358.90	10,650.6	-7,654.6	2,512.0	-28.9	2,512.2	359.34



Stryker Directional MWD Surveys



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 35 26 23-24S-28E Rustler Breaks 26/23
Well: Rustler Breaks 26/23 W2ML Fee Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Rustler Breaks 26/23 W2ML Fee Com 1H
TVD Reference: 2969 + 27 @ 2996.0usft (Patterson 242)
MD Reference: 2969 + 27 @ 2996.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STYKER_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
13,126.0	89.90	356.30	10,649.3	-7,653.3	2,605.9	-32.8	2,606.1	359.28
13,220.0	88.70	354.90	10,650.4	-7,654.4	2,699.6	-40.0	2,699.9	359.15
13,314.0	89.90	357.70	10,651.5	-7,655.5	2,793.4	-46.1	2,793.8	359.05
13,408.0	91.30	359.70	10,650.6	-7,654.6	2,887.3	-48.2	2,887.8	359.04
13,502.0	87.70	359.20	10,651.4	-7,655.4	2,981.3	-49.1	2,981.7	359.06
13,597.0	91.40	0.10	10,652.1	-7,656.1	3,076.3	-49.7	3,076.7	359.07
13,691.0	92.90	0.50	10,648.6	-7,652.6	3,170.2	-49.2	3,170.6	359.11
13,784.0	87.90	358.50	10,648.0	-7,652.0	3,263.2	-50.0	3,263.6	359.12
13,879.0	90.40	359.80	10,649.4	-7,653.4	3,358.2	-51.4	3,358.6	359.12
13,973.0	90.00	0.50	10,649.0	-7,653.0	3,452.2	-51.2	3,452.5	359.15
14,068.0	90.90	0.50	10,648.3	-7,652.3	3,547.2	-50.4	3,547.5	359.19
14,162.0	91.50	2.40	10,646.3	-7,650.3	3,641.1	-48.0	3,641.4	359.25
14,257.0	90.50	359.90	10,644.7	-7,648.7	3,736.1	-46.1	3,736.3	359.29
14,351.0	89.00	359.50	10,645.1	-7,649.1	3,830.1	-46.6	3,830.3	359.30
14,445.0	91.70	359.00	10,644.5	-7,648.5	3,924.0	-47.8	3,924.3	359.30
14,539.0	90.50	357.60	10,642.7	-7,646.7	4,018.0	-50.6	4,018.3	359.28
14,639.0	90.80	357.70	10,641.6	-7,645.6	4,117.9	-54.7	4,118.2	359.24
14,733.0	91.50	1.50	10,639.7	-7,643.7	4,211.8	-55.3	4,212.2	359.25
14,827.0	92.60	3.40	10,636.3	-7,640.3	4,305.7	-51.3	4,306.0	359.32
14,921.0	93.40	0.10	10,631.4	-7,635.4	4,399.5	-48.5	4,399.8	359.37
15,015.0	91.20	356.80	10,627.6	-7,631.6	4,493.4	-51.0	4,493.7	359.35
15,109.0	90.70	354.60	10,626.1	-7,630.1	4,587.1	-58.1	4,587.5	359.27
15,203.0	90.10	357.50	10,625.4	-7,629.4	4,680.9	-64.5	4,681.3	359.21
15,297.0	90.40	357.20	10,625.0	-7,629.0	4,774.8	-68.9	4,775.2	359.17
15,391.0	91.30	2.50	10,623.6	-7,627.6	4,868.7	-69.1	4,869.2	359.19
15,484.0	89.00	359.80	10,623.4	-7,627.4	4,961.7	-67.3	4,962.1	359.22
15,578.0	89.00	359.80	10,625.0	-7,629.0	5,055.7	-67.6	5,056.1	359.23



Stryker Directional MWD Surveys



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Rustler Breaks 26/23 W2ML Fee Com 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2969 + 27 @ 2996.0usft (Patterson 242)
Site:	Section 35 26 23-24S-28E Rustler Breaks 26/23	MD Reference:	2969 + 27 @ 2996.0usft (Patterson 242)
Well:	Rustler Breaks 26/23 W2ML Fee Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	STYKER_EDM

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
15,672.0	92.90	2.30	10,623.4	-7,627.4	5,149.6	-65.9	5,150.0	359.27	
15,764.0	91.60	358.20	10,619.8	-7,623.8	5,241.5	-65.5	5,241.9	359.28	
15,858.0	89.80	358.00	10,618.7	-7,622.7	5,335.4	-68.6	5,335.9	359.26	
15,952.0	93.10	0.80	10,616.3	-7,620.3	5,429.4	-69.6	5,429.8	359.27	
16,046.0	89.10	359.40	10,614.5	-7,618.5	5,523.4	-69.4	5,523.8	359.28	
16,089.2	88.46	359.17	10,615.4	-7,619.4	5,566.5	-69.9	5,567.0	359.28	
Point Rustler Breaks 26-23 W2ML Fee Com #1H									
16,140.0	87.70	358.90	10,617.1	-7,621.1	5,617.3	-70.8	5,617.7	359.28	
16,234.0	88.70	0.30	10,620.1	-7,624.1	5,711.2	-71.4	5,711.7	359.28	
16,323.0	87.80	0.70	10,622.8	-7,626.8	5,800.2	-70.7	5,800.6	359.30	
16,417.0	90.00	0.30	10,624.6	-7,628.6	5,894.2	-69.9	5,894.6	359.32	
16,510.0	91.20	2.80	10,623.6	-7,627.6	5,987.1	-67.3	5,987.5	359.36	
16,605.0	89.50	4.30	10,623.0	-7,627.0	6,081.9	-61.5	6,082.2	359.42	
16,699.0	93.70	5.20	10,620.4	-7,624.4	6,175.6	-53.7	6,175.8	359.50	
16,793.0	90.90	1.70	10,616.6	-7,620.6	6,269.3	-48.0	6,269.5	359.56	
16,886.0	88.40	0.10	10,617.2	-7,621.2	6,362.3	-46.6	6,362.4	359.58	
16,980.0	90.90	359.30	10,617.8	-7,621.8	6,456.3	-47.1	6,456.4	359.58	
17,074.0	92.80	0.30	10,614.7	-7,618.7	6,550.2	-47.4	6,550.4	359.59	
17,167.0	90.20	357.30	10,612.3	-7,616.3	6,643.1	-49.3	6,643.3	359.57	
17,260.0	89.40	357.90	10,612.6	-7,616.6	6,736.0	-53.2	6,736.3	359.55	
17,354.0	92.80	1.40	10,610.8	-7,614.8	6,830.0	-53.8	6,830.2	359.55	
17,448.0	91.60	357.40	10,607.2	-7,611.2	6,923.9	-54.8	6,924.1	359.55	
17,541.0	89.80	358.80	10,606.1	-7,610.1	7,016.8	-57.9	7,017.1	359.53	
17,634.0	89.70	356.40	10,606.5	-7,610.5	7,109.7	-61.8	7,110.0	359.50	
17,728.0	92.20	358.10	10,604.9	-7,608.9	7,203.6	-66.3	7,203.9	359.47	
17,821.0	90.50	356.50	10,602.7	-7,606.7	7,296.5	-70.7	7,296.8	359.45	
17,915.0	89.10	356.90	10,603.1	-7,607.1	7,390.3	-76.1	7,390.7	359.41	



Stryker Directional MWD Surveys



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Rustler Breaks 26/23 W2ML Fee Com 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2969 + 27 @ 2996.0usft (Patterson 242)
Site:	Section 35 26 23-24S-28E Rustler Breaks 26/23	MD Reference:	2969 + 27 @ 2996.0usft (Patterson 242)
Well:	Rustler Breaks 26/23 W2ML Fee Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	STYKER_EDM

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
18,008.0	89.80	358.30	10,604.0	-7,608.0	7,483.2	-80.0	7,483.7	359.39	
18,101.0	89.00	356.70	10,604.9	-7,608.9	7,576.1	-84.0	7,576.6	359.36	
18,195.0	92.70	1.20	10,603.5	-7,607.5	7,670.1	-85.7	7,670.5	359.36	
18,288.0	92.00	3.40	10,599.7	-7,603.7	7,762.9	-82.0	7,763.3	359.39	
18,382.0	90.80	3.80	10,597.4	-7,601.4	7,856.7	-76.1	7,857.1	359.44	
PBHL Rustler Breaks 26-23 W2ML Fee Com #1H - New PBHL Rustler Breaks 26-23 W2ML Fee Com #1H									
18,435.0	90.80	3.80	10,596.7	-7,600.7	7,909.6	-72.6	7,909.9	359.47	
18435.0' MD Projected to Bit									

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
18,435.0	10,596.7	7,909.6	-72.6	18435.0' MD Projected to Bit



COMPANY: Mewbourne Oil Company
WELL: Rustler Breaks 26/23 W2ML Fee Com 1H
COUNTY: Eddy County, N.M. Nad (83)
DATUM: North American Datum 1983
RIG: Patterson 242



OFFICE: 936.582.7276

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.87°

GEODETIC ZONE: New Mexico Eastern Zone											
2999 + 27 @ 2996.0usft (Patterson 242)											
GROUND ELEVATION: 2969.0											
	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot				
	0.0	0.0	429581.20	624226.00	32° 10' 50.566 N	104° 3' 55.492 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	10103.0	0.00	0.00	10103.0	0.0	0.0	0.00	0.00	0.0		
3	11009.3	90.63	356.50	10676.0	578.2	-35.4	10.00	356.50	578.7		
4	11189.7	90.63	359.36	10673.9	768.4	-42.2	1.50	90.03	769.0		
5	15997.9	90.63	359.36	10621.5	5566.0	-96.2	0.00	0.00	5566.8	Point Rustler Breaks 26-23 W2ML Fee Com #1H	
6	16116.9	90.63	358.76	10620.2	5685.0	-98.1	0.50	-89.34	5685.8		
7	18309.2	90.63	358.76	10596.0	7876.6	-145.5	0.00	0.00	7878.0	New PBHL Rustler Breaks 26-23 W2ML Fee Com #1H	

SHL: 210' FNL; 370' FWL
Section 35-24S-28E
PBHL: 2310' FSL; 330' FWL
Section 23-24S-28E

