



October 29, 2018

NM OIL CONSERVATION
ARTESIA DISTRICT
NOV 02 2018
RECEIVED

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
Boston 7 WOLI Fee #001H
Purple Sage; Wolfcamp
Eddy County, New Mexico
API# 30-015-44869

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>
Victor Anguiano	Original Hole	58ft. to 14,163ft.	08-26-18 to 09-28-18	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\Boston 7 WOLI Fee #1H\181117

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



October 29, 2018

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 August 26, 2018, through September 28, 2018 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 58feet to a depth of 14,235feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Boston 7 WOLI Fee #1H, well API # 30-015-44869 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.

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**



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 7-24S-28E Boston 7 WOLI Fee 1H
Well: Boston 7 WOLI Fee 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Boston 7 WOLI Fee 1H
TVD Reference: 3083 + 27 @ 3110.0usft (Patterson 560)
MD Reference: 3083 + 27 @ 3110.0usft (Patterson 560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_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 7-24S-28E Boston 7 WOLI Fee 1H

Site Position:		Northing:	447,497.50 usft	Latitude:	32° 13' 48.322 N
From:	Map	Easting:	603,008.20 usft	Longitude:	104° 8' 1.898 W
Position Uncertainty:	0.0 usft	Spot Radius:	13-3/16 "	Grid Convergence:	0.11 "

Well Boston 7 WOLI Fee 1H

Well Position	+N-S	0.0 usft	Northing:	447,497.50 usft	Latitude:	32° 13' 48.322 N
	+E-W	0.0 usft	Easting:	603,008.20 usft	Longitude:	104° 8' 1.898 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	27.0 usft	Ground Level:	3,083.0 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/8/2018	7.09	59.98	47,767.34838099

Design Original Hole

Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.0	0.0	0.0	194.32	

Survey Program Data 9/28/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
58.0	14,235.0	MWD Survey #1 (Original Hole)	MWD	MWD v3 standard declination



MWD Survey



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nrd (83)
Site: Section 7-24S-28E Boston 7 WOL Fee 1H
Well: Boston 7 WOL Fee 1H
Wellbore: Original Hole
Depth: Original Hole

Local Co-ordinate Reference: Well Boston 7 WOL Fee 1H
TVD Reference: 3083 + 27 @ 3110.0usft (Patterson 560)
MD Reference: 3083 + 27 @ 3110.0usft (Patterson 560)
North Reference: Cid
Survey Calculation Method: Minimum Curvature
Database: Snyker_EDM

MD	Inc	Azi (azimuth)	TVD	TVDSS	N/S	E/W	Closure Distance	Closure Azimuth
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)
0.0	0.00	0.00	0.0	3,110.0	0.0	0.0	0.0	0.0
66.0	0.80	221.80	66.0	3,062.0	-0.2	-0.2	0.3	221.80
206.0	0.80	180.90	206.0	2,904.0	-1.9	-0.8	2.2	206.81
289.0	1.70	209.00	289.0	2,811.0	-3.9	-1.7	4.2	204.31
442.0	1.40	200.70	441.9	2,668.1	-7.4	-3.4	8.1	204.76
609.0	1.30	232.60	608.8	2,601.1	-8.8	-4.3	9.6	206.63
626.0	1.80	247.60	627.6	2,482.2	-10.2	-7.2	12.4	218.25
748.0	2.40	249.80	747.8	2,392.2	-11.8	-11.4	16.4	223.98
876.0	0.80	102.60	877.7	2,232.3	-12.9	-13.4	18.6	228.16
1,005.0	2.20	89.00	1,004.7	2,106.3	-13.2	-10.4	16.6	218.28
1,132.0	1.40	107.40	1,131.8	1,978.4	-13.9	-8.5	16.3	208.12
1,269.0	1.20	111.10	1,268.6	1,851.4	-14.8	-9.8	16.3	194.32
1,386.0	1.10	162.70	1,384.6	1,728.4	-16.4	-2.0	16.6	186.86
1,512.0	1.10	162.70	1,511.5	1,598.6	-18.5	-0.9	16.6	182.70
1,639.0	1.60	166.00	1,638.6	1,471.6	-21.1	0.4	21.1	178.95
1,769.0	2.20	134.30	1,768.4	1,344.8	-24.3	2.6	24.8	173.36
1,828.0	0.80	194.10	1,827.4	1,182.6	-27.6	6.4	28.1	169.98
2,088.0	1.90	126.70	2,084.3	1,025.7	-30.2	7.8	31.1	165.63
2,160.0	2.60	112.40	2,178.3	930.7	-31.9	11.0	33.7	160.89
2,276.0	0.60	139.70	2,274.2	838.6	-33.0	13.2	36.6	158.14
2,371.0	0.40	243.70	2,370.2	739.6	-33.6	13.3	36.1	158.37
2,470.0	0.60	254.80	2,468.2	640.8	-33.8	12.6	36.0	159.73
2,666.0	0.60	266.80	2,664.2	546.6	-34.1	11.5	36.0	161.31
2,680.0	2.80	287.10	2,658.2	460.6	-34.3	8.6	35.4	166.87
2,754.0	3.60	289.10	2,753.0	367.0	-34.6	3.4	34.8	174.39
2,848.0	6.00	287.00	2,847.8	262.2	-35.0	-3.6	35.2	166.81
2,944.0	6.60	286.70	2,942.4	167.6	-35.8	-12.3	37.7	189.06



Microsoft
MWD Surveys



Company: Newbourne Oil Company
Project: Eddy County, N.M., Nad (83)
Site: Section 7-24S-28E, Section 7 WOL Fee 1H
Well: Section 7 WOL Fee 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Bottom 7 WOL Fee 1H
TVD Reference: 3083 + 27 @ 3110.0ast (Pattern 560)
MD Reference: 3083 + 27 @ 3110.0ast (Pattern 560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (unit)	Inc (")	Asl (azimuth) (")	TVD (unit)	TVDSS (unit)	NIS (unit)	EW (unit)	Closure Distance (unit)	Closure Azimuth (")
3,039.0	6.60	283.20	3,038.9	73.1	-38.6	-21.4	42.3	210.35
3,133.0	6.40	281.20	3,130.6	-20.6	-37.7	-30.2	48.3	216.71
3,228.0	5.80	289.60	3,225.1	-116.1	-38.3	-39.1	56.4	224.87
3,323.0	6.30	286.10	3,319.7	-209.7	-41.3	-47.8	63.2	228.17
3,417.0	6.60	287.60	3,413.2	-303.2	-43.4	-56.4	71.1	232.43
3,512.0	6.60	287.20	3,507.8	-397.8	-46.4	-66.4	79.6	235.22
3,606.0	6.60	284.30	3,601.3	-491.3	-47.8	-74.2	88.2	237.31
3,701.0	6.60	284.10	3,695.9	-585.9	-50.1	-83.1	97.0	238.69
3,796.0	6.30	283.60	3,790.6	-680.6	-52.6	-91.7	106.7	240.13
3,890.0	6.10	282.20	3,884.1	-774.1	-55.1	-99.6	114.0	241.08
3,985.0	6.20	282.60	3,978.7	-868.7	-57.7	-107.9	122.4	241.86
4,080.0	6.60	281.60	4,073.3	-963.3	-60.5	-116.4	131.2	242.66
4,175.0	6.60	281.20	4,167.8	-1,057.8	-63.4	-125.1	140.3	243.12
4,269.0	6.60	249.70	4,261.4	-1,151.4	-66.6	-133.7	149.3	243.67
4,364.0	6.30	249.20	4,356.0	-1,246.0	-69.7	-142.1	158.3	243.86
4,459.0	6.30	247.10	4,450.6	-1,340.6	-73.0	-150.2	167.1	244.07
4,553.0	6.10	246.60	4,544.2	-1,434.2	-76.4	-158.1	175.6	244.21
4,648.0	4.90	251.70	4,638.8	-1,528.8	-78.3	-166.6	183.6	244.43
4,742.0	4.60	251.60	4,732.6	-1,622.6	-81.8	-173.1	191.6	244.72
4,837.0	4.30	249.70	4,827.2	-1,717.2	-84.2	-180.0	198.7	244.94
4,932.0	6.70	258.10	4,921.9	-1,811.9	-86.4	-188.0	206.9	245.32
5,027.0	6.70	256.40	5,016.4	-1,906.4	-88.6	-197.2	216.1	245.63
5,121.0	6.20	256.10	5,110.0	-2,000.0	-90.4	-206.9	224.6	246.28
5,216.0	4.80	257.20	5,204.6	-2,094.6	-92.2	-213.9	233.0	246.88
5,311.0	4.60	258.10	5,299.3	-2,189.3	-93.9	-221.6	240.9	247.05
5,406.0	6.10	253.00	5,392.9	-2,282.9	-96.0	-229.7	249.0	247.32
5,500.0	6.00	260.40	5,487.6	-2,377.6	-98.6	-237.7	257.3	247.47



Microsoft
MWD Surveys



Company: Mowbourn Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 7-24S-28E Boston 7 WOLI Fee 1H
Well: Boston 7 WOLI Fee 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Boston 7 WOLI Fee 1H
TVD Reference: 3083 + 27 @ 3110.0usft (Patterson 560)
MD Reference: 3083 + 27 @ 3110.0usft (Patterson 560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Asl (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
5,595.0	4.80	248.50	5,582.2	-2,472.2	-101.4	-245.3	265.4	247.53
5,690.0	4.40	244.00	5,678.9	-2,586.9	-104.5	-252.2	273.0	247.50
5,784.0	4.10	241.70	5,770.8	-2,660.8	-107.7	-258.4	280.0	247.38
5,879.0	4.90	244.50	5,865.3	-2,758.3	-111.0	-265.1	287.4	247.27
5,974.0	4.40	245.50	5,960.0	-2,850.0	-114.3	-272.1	295.1	247.21
6,069.0	5.10	289.10	6,054.7	-2,944.7	-116.6	-278.5	302.9	247.36
6,164.0	4.40	266.80	6,149.4	-3,039.4	-117.6	-287.3	310.4	247.74
6,258.0	4.80	281.10	6,243.1	-3,133.1	-118.4	-294.6	317.8	248.10
6,353.0	4.20	280.80	6,337.8	-3,227.8	-119.6	-301.6	324.8	248.39
6,448.0	4.70	263.20	6,432.5	-3,322.5	-121.2	-309.0	331.9	248.58
6,543.0	3.50	245.90	6,527.3	-3,417.3	-123.5	-315.4	338.7	248.61
6,637.0	3.70	244.20	6,621.1	-3,511.1	-126.0	-320.7	344.8	248.55
6,732.0	5.80	261.20	6,716.7	-3,605.7	-128.9	-328.0	352.4	248.55
6,827.0	5.80	261.30	6,810.3	-3,700.3	-131.9	-338.9	361.9	248.62
6,921.0	5.20	247.20	6,903.9	-3,793.9	-135.1	-345.2	370.7	248.63
7,016.0	4.30	243.80	6,998.6	-3,888.6	-138.3	-352.4	378.8	248.57
7,111.0	4.80	267.00	7,093.2	-3,983.2	-140.8	-359.5	386.0	248.61
7,205.0	5.20	263.30	7,188.9	-4,078.9	-142.9	-367.4	394.2	248.75
7,300.0	4.40	259.60	7,281.5	-4,171.5	-144.8	-375.1	402.0	248.89
7,394.0	5.70	261.90	7,375.2	-4,265.2	-146.9	-383.1	410.2	249.02
7,489.0	4.90	242.10	7,469.8	-4,359.8	-150.2	-391.1	419.0	248.99
7,583.0	4.10	243.50	7,563.6	-4,453.6	-153.6	-397.7	426.3	248.88
7,678.0	5.30	246.80	7,658.2	-4,548.2	-156.9	-404.8	434.1	248.82
7,773.0	5.10	250.50	7,752.8	-4,642.8	-160.0	-412.8	442.7	248.81
7,867.0	4.80	245.00	7,846.4	-4,736.4	-162.8	-420.2	450.8	248.82
7,962.0	3.50	249.20	7,941.2	-4,831.2	-165.3	-426.4	457.3	248.82
8,056.0	3.90	248.30	8,035.0	-4,925.0	-167.6	-432.1	463.4	248.80



Microsoft
MWD Surveys



Company: Mowbourn Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 7-24S-28E Boston 7 WOLI Fee 1H
Well: Boston 7 WOLI Fee 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Boston 7 WOLI Fee 1H
TYD Reference: 3083 + 27 @ 3110.0usft (Patterson 560)
MD Reference: 3083 + 27 @ 3110.0usft (Patterson 560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
8,151.0	4.20	251.80	8,129.8	-5,019.8	-170.0	-438.3	470.1	248.81
8,248.0	5.60	242.40	8,224.4	-5,114.4	-173.2	-445.7	478.2	248.77
8,341.0	4.70	235.20	8,319.0	-5,209.0	-177.6	-453.0	486.8	248.60
8,435.0	5.60	232.70	8,412.7	-5,302.7	-182.5	-459.8	494.7	248.35
8,529.0	5.00	232.00	8,506.3	-5,396.3	-187.8	-468.7	503.1	248.08
8,624.0	2.60	245.30	8,601.0	-5,491.0	-191.2	-471.9	509.1	247.94
8,718.0	2.00	240.50	8,695.0	-5,585.0	-192.9	-476.2	512.8	247.90
8,813.0	2.30	202.50	8,789.9	-5,679.9	-185.5	-477.3	515.8	247.73
8,873.0	1.54	201.28	8,849.9	-5,739.9	-187.4	-478.1	517.2	247.57
G.B. Boston7 WOLI Fee 1H								
8,908.0	1.10	199.80	8,884.9	-5,774.9	-188.1	-478.4	517.8	247.50
8,929.0	1.00	205.80	8,905.9	-5,795.9	-188.5	-478.5	518.0	247.47
9,007.0	4.80	106.70	8,983.8	-5,873.8	-200.0	-475.7	518.0	247.19
9,039.0	6.00	104.50	9,015.6	-5,905.6	-201.0	-472.2	513.2	248.86
9,070.0	12.00	100.70	9,046.1	-5,936.1	-202.1	-467.0	508.8	248.60
9,102.0	15.50	98.80	9,077.2	-5,967.2	-203.4	-469.5	502.5	248.13
9,133.0	16.70	97.80	9,108.8	-5,998.8	-204.7	-460.5	494.8	246.57
9,165.0	22.50	98.80	9,139.7	-6,028.7	-206.3	-439.3	485.3	244.85
9,196.0	26.20	100.20	9,165.0	-6,055.0	-208.4	-426.7	474.9	243.97
9,228.0	29.40	101.00	9,193.3	-6,083.3	-211.1	-412.1	463.0	242.87
9,259.0	33.30	101.80	9,219.7	-6,109.7	-214.3	-398.3	450.5	241.59
9,291.0	37.80	103.60	9,245.8	-6,135.8	-218.4	-378.2	438.7	239.99
9,322.0	41.00	104.00	9,269.8	-6,159.8	-223.1	-359.1	422.8	238.16
9,354.0	45.90	103.90	9,293.0	-6,183.0	-228.4	-337.7	407.7	235.93
9,386.0	50.30	103.50	9,314.4	-6,204.4	-234.1	-314.6	392.1	233.35
9,417.0	53.80	103.50	9,333.4	-6,223.4	-239.8	-290.6	378.9	230.50
9,449.0	57.60	103.10	9,351.5	-6,241.5	-245.8	-265.1	361.8	227.18



Microsoft
MWD Surveys



Company: Newboulds Oil Company
Project: Eddy County, N.M., Nod (93).
Site: Section 7-24S-28E Boston 7 WOL Fee 1H
Well: Boston 7 WOL Fee 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Boston 7 WOL Fee 1H
TVD Reference: 3033 + 27 @ 3110.0ufl (Pellaton 560)
MD Reference: 3033 + 27 @ 3110.0ufl (Pellaton 560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (ufl)	Inc (°)	Azi (azimuth) (°)	TVD (ufl)	TVDSS (ufl)	N/S (ufl)	E/W (ufl)	Closure Distance Closure (ufl)	Azimuth (°)
9,480.0	80.80	102.80	9,307.3	-9,257.3	-251.8	-239.2	347.3	223.53
9,612.0	84.00	102.10	9,382.2	-9,272.2	-257.9	-211.5	333.5	218.35
9,643.0	88.80	101.70	9,388.1	-9,285.1	-263.7	-183.9	321.5	214.89
9,678.0	70.70	101.60	9,408.8	-9,298.8	-269.7	-154.7	311.0	209.84
9,696.0	74.90	9,416.9	9,416.9	-9,305.9	-276.7	-125.7	303.0	204.82
9,639.0	78.90	101.60	9,422.9	-9,312.9	-282.0	-95.2	297.8	198.85
9,695.0	82.20	101.80	9,428.8	-9,318.8	-285.3	-78.7	286.0	193.42
9,733.0	87.90	97.90	9,432.9	-9,322.3	-288.5	-2.2	288.5	180.42
9,828.0	88.80	99.00	9,438.8	-9,326.8	-312.4	91.7	325.8	183.84
9,922.0	88.20	97.20	9,440.3	-9,330.3	-325.7	184.7	374.4	150.44
10,017.0	88.80	96.20	9,442.1	-9,332.1	-335.9	278.1	438.7	140.28
10,111.0	88.50	96.50	9,444.5	-9,334.5	-344.7	372.7	607.8	132.77
10,208.0	91.80	101.00	9,444.4	-9,334.4	-358.3	486.6	688.3	127.82
10,234.5	91.80	101.03	9,443.8	-9,333.8	-383.7	494.9	813.9	128.33
LP Boston 7 WOL Fee 1H								
10,300.0	91.80	101.10	9,441.9	-9,331.8	-378.3	558.8	873.7	123.88
10,385.0	90.50	88.90	9,440.0	-9,330.0	-382.8	682.4	781.5	121.05
10,489.0	89.80	85.80	9,440.0	-9,330.0	-404.8	746.8	848.4	118.50
10,594.0	87.70	83.90	9,442.2	-9,332.2	-412.8	840.2	838.2	116.17
10,678.0	87.20	88.50	9,448.4	-9,338.4	-421.4	933.7	1,024.4	114.29
10,773.0	88.00	83.80	9,452.0	-9,342.0	-439.7	1,028.2	1,114.4	112.89
10,867.0	85.10	80.30	9,459.3	-9,349.3	-432.9	1,121.8	1,202.5	111.10
10,982.0	87.10	88.80	9,463.8	-9,355.8	-432.8	1,218.8	1,291.3	109.88
10,994.0	80.20	89.60	9,468.5	-9,358.5	-432.8	1,248.8	1,321.4	108.11
11,025.0	80.70	87.50	9,468.3	-9,358.3	-431.8	1,279.8	1,350.5	109.85
11,057.0	91.00	87.10	9,463.8	-9,355.8	-430.3	1,311.5	1,380.3	108.16
11,161.0	95.00	87.50	9,480.9	-9,380.9	-428.9	1,405.3	1,488.4	108.88



Company: Mowbourne Oil Company
Project: Eddy County, NJA, Nod (6)
Site: Section 7-249-28E Boston 7 WOU Fee 1H
Well: Boston 7 WOU Fee 1H
Wellbore: Original Hole
Design: Original Hole

Microsoft MWD Surveys

Local Co-ordinate Reference: Well Boston 7 WOU Fee 1H
TVD Reference: 3083 + 27 @ 3110 Depth (Patterson 660)
MD Reference: 3083 + 27 @ 3110 Depth (Patterson 660)
North Reference: GND
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM



Survey	MD (unit)	Inc (")	Adj (unit)	TVD (unit)	TVD88 (unit)	N8 (unit)	EW (unit)	Closure Distance (unit)	Closure Azimuth (")
	11,248.0	95.40	87.30	9,432.3	-8,342.3	-421.6	1,499.8	1,557.9	105.70
	11,340.0	82.10	88.00	9,448.1	-8,336.1	-417.8	1,593.5	1,847.4	104.69
	11,436.0	91.60	88.60	9,443.1	-8,333.1	-414.9	1,688.4	1,738.6	103.60
	11,528.0	91.40	88.40	9,440.9	-8,330.6	-412.3	1,782.3	1,828.4	103.03
	11,624.0	91.20	88.70	9,438.6	-8,328.5	-409.8	1,877.3	1,921.5	102.32
	11,716.0	90.00	89.40	9,437.6	-8,327.6	-408.4	1,971.3	2,013.1	101.70
	11,812.0	88.80	88.80	9,438.6	-8,328.6	-406.9	2,066.3	2,106.9	101.14
	11,908.0	88.20	88.60	9,442.9	-8,332.9	-404.7	2,161.1	2,198.7	100.61
	12,002.0	89.60	89.60	9,446.6	-8,336.6	-403.2	2,255.0	2,290.8	100.14
	12,097.0	91.70	82.30	9,446.6	-8,335.6	-404.6	2,350.0	2,394.6	99.77
	12,191.0	92.60	83.00	9,442.0	-8,332.0	-409.0	2,443.6	2,477.8	99.60
	12,286.0	91.60	81.60	9,438.6	-8,328.6	-412.6	2,538.7	2,572.0	99.24
	12,380.0	91.10	81.60	9,436.4	-8,326.4	-416.4	2,632.6	2,666.2	98.87
	12,476.0	89.60	81.30	9,435.9	-8,325.9	-417.6	2,727.6	2,759.4	98.71
	12,569.0	89.00	80.20	9,437.1	-8,327.1	-419.1	2,821.6	2,852.5	98.46
	12,664.0	87.30	80.00	9,440.2	-8,330.2	-419.2	2,916.5	2,946.5	98.16
	12,766.0	80.30	82.80	9,442.2	-8,332.2	-421.5	3,010.5	3,039.8	97.87
	12,863.0	80.40	81.20	9,441.6	-8,331.6	-424.8	3,105.4	3,134.3	97.79
	12,949.0	89.30	80.20	9,441.9	-8,331.9	-426.0	3,200.4	3,228.8	97.66
	13,043.0	87.00	89.60	9,444.9	-8,334.9	-426.7	3,296.3	3,322.7	97.36
	13,137.0	87.30	80.40	9,446.8	-8,336.8	-426.7	3,392.2	3,416.8	97.16
	13,232.0	89.60	80.60	9,452.2	-8,342.2	-426.6	3,484.2	3,510.2	96.89
	13,326.0	83.60	88.60	9,466.0	-8,346.0	-426.8	3,577.9	3,603.3	96.60
	13,421.0	86.30	88.30	9,467.3	-8,347.3	-426.1	3,672.8	3,697.1	96.62
	13,515.0	89.70	87.10	9,471.4	-8,351.4	-423.1	3,768.3	3,790.0	96.41
	13,610.0	82.00	86.90	9,469.8	-8,350.8	-416.2	3,861.2	3,883.7	96.16
	13,705.0	82.60	88.90	9,489.2	-8,369.2	-414.7	3,956.0	3,977.7	95.96



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Ned (83)
Site: Section 7-24S-28E Boston 7 WOL Fee 1H
Well: Boston 7 WOL Fee 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Boston 7 WOL Fee 1H
TVD Reference: 3083 + 27 @ 3110.0usft (Patterson 580)
MD Reference: 3083 + 27 @ 3110.0usft (Patterson 580)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
13,799.0	94.00	90.00	9,460.9	-8,350.9	-413.8	4,049.9	4,071.0	95.83
13,894.0	92.40	89.70	9,459.6	-8,345.6	-413.5	4,144.7	4,165.3	95.70
13,989.0	91.10	89.90	9,452.7	-8,342.7	-413.2	4,239.7	4,259.8	95.67
14,083.0	91.70	92.20	9,460.4	-8,340.4	-414.9	4,333.6	4,353.4	95.47
14,183.0	88.10	91.20	9,450.5	-8,340.5	-417.3	4,413.8	4,433.3	95.40
14,235.0	88.10	91.20	9,452.9	-8,342.9	-418.8	4,485.5	4,505.0	95.33

14235.0' MD Projected to Bit - PBHL Boston 7 WOL Fee 1H

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
14,235.0	9,452.9	-418.8	4,485.5	14235.0' MD Projected to Bit