



COMPANY: Mewbourne Oil Company
WELL: Ibox 10 B30B Fed Com #1H
COUNTY: Lea County N. M. Nad (83)
DATUM: North American Datum 1983
RIG: Patterson 250



OFFICE: 936.582.7296

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.32°

GEODETTIC ZONE: New Mexico Eastern Zone
3393 + 27 @ 3420.0usft (Patterson 250)

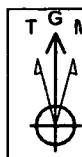
GROUND ELEVATION: 3393.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
0.0	0.0	478119.90	812768.10	32° 18' 40.919 N	103° 27' 17.099 W	

PLAN SECTIONS

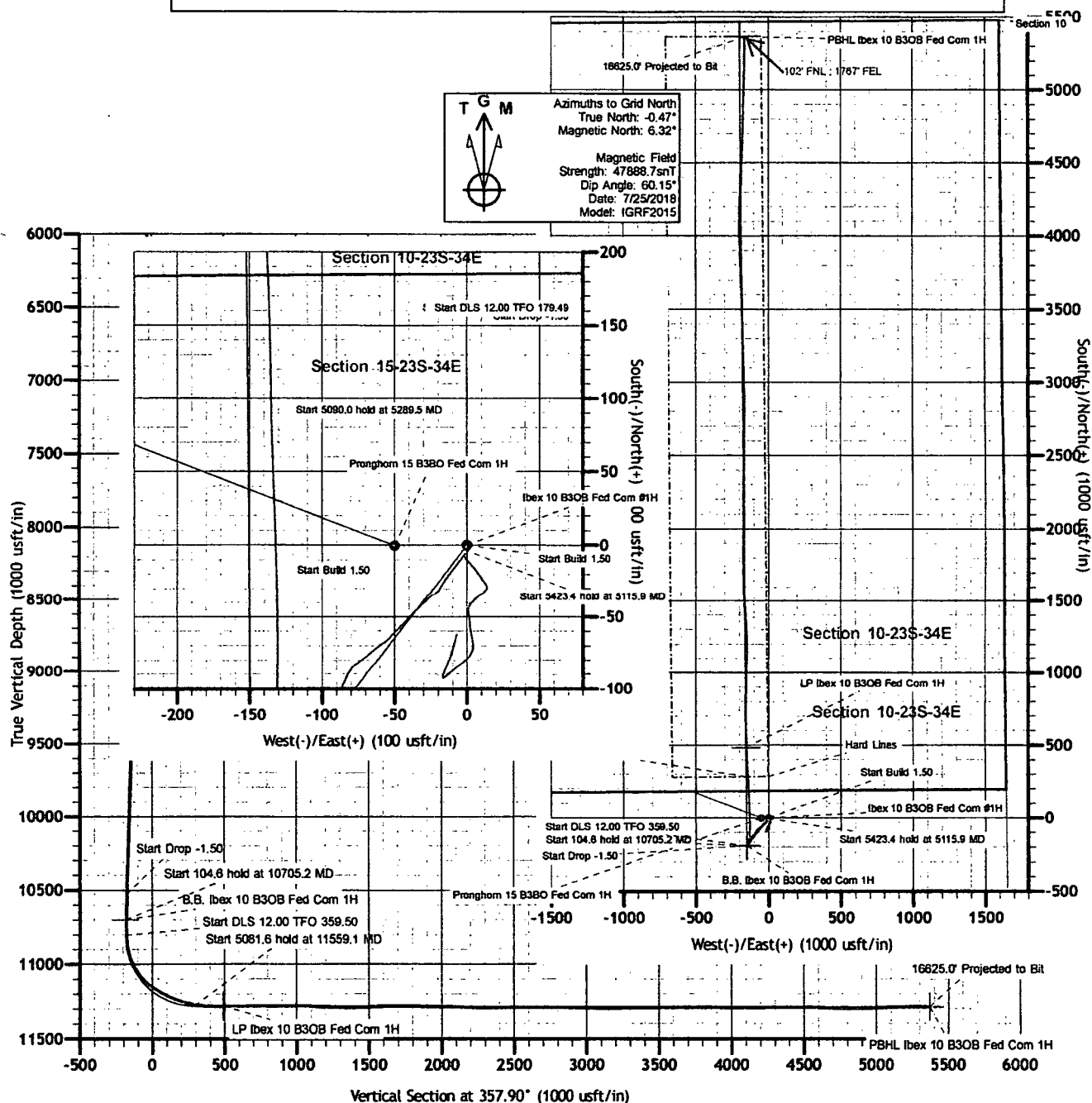
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4950.0	0.00	0.00	4950.0	0.0	0.0	0.00	0.00	0.0	
3	5115.9	2.49	217.72	5115.8	-2.8	-2.2	1.50	217.72	-2.8	
4	10539.3	2.49	217.72	10534.2	-189.1	-146.3	0.00	0.00	-183.6	
5	10705.2	0.00	0.00	10700.0	-192.0	-148.5	1.50	180.00	-186.4	B.B. Ibox 10 B30B Fed Com 1H
6	10809.8	0.00	0.00	10804.6	-192.0	-148.5	0.00	0.00	-186.4	
7	11559.1	89.92	359.50	11282.0	284.8	-152.6	12.00	359.50	290.2	
8	16640.7	89.92	359.50	11289.0	5366.2	-197.1	0.00	0.00	5369.8	PBHL Ibox 10 B30B Fed Com 1H

SHL: 185' FNL; 1650' FEL
Section 15-23S-34E
PBHL: 100' FNL; 1800' FEL
Section 210-23S-34E



Azimuths to Grid North
True North: -0.47°
Magnetic North: 6.32°

Magnetic Field
Strength: 47888.7nT
Dip Angle: 60.15°
Date: 7/25/2018
Model: IGRF2015





Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 15-10-23S-34E Ibex 10 B3OB Fed Com
Well: Ibex 10 B3OB Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Ibex 10 B3OB Fed Com #1H
TVD Reference: 3393 + 27 @ 3420.0usft (Patterson 250)
MD Reference: 3393 + 27 @ 3420.0usft (Patterson 250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Project	Lea 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 15-10-23S-34E Ibex 10 B3OB Fed Com 1H		
Site Position:		Northing:	478,119.90 usft
From: Map		Easting:	812,768.10 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 18' 40.919 N
		Longitude:	103° 27' 17.099 W
		Grid Convergence:	0.47 °

Well	Ibex 10 B3OB Fed 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° 18' 40.919 N
		Longitude:	103° 27' 17.099 W
		Ground Level:	3,393.0 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	7/25/2018	(°)
			6.79
			Dip Angle
			(°)
			60.15
			Field Strength
			(nT)
			47,888.74093940

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
			(°)
			154.37

Survey Program	Date 8/23/2018		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		Description
1,873.0	16,625.0	Survey #1 (Original Hole)	



Microsoft
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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
1,706.0	7.94	193.19	1,702.6	1,717.4	-62.0	-7.2	62.4	186.67	Tie-In
1,873.0	6.10	201.40	1,868.3	1,551.7	-81.5	-13.1	82.6	189.14	
1,964.0	4.00	200.00	1,958.9	1,481.1	-89.0	-16.0	90.4	190.17	
2,057.0	0.60	151.70	2,051.9	1,368.1	-92.5	-16.8	94.0	190.33	
2,150.0	2.50	52.40	2,144.8	1,275.2	-91.7	-15.0	92.9	189.30	
2,243.0	3.50	48.90	2,237.7	1,182.3	-88.6	-11.3	89.3	187.25	
2,336.0	3.50	50.10	2,330.5	1,089.5	-84.9	-6.9	85.2	184.68	
2,429.0	3.60	51.10	2,423.4	996.6	-81.2	-2.5	81.3	181.76	
2,522.0	3.50	40.20	2,516.2	903.8	-77.2	1.6	77.2	178.81	
2,616.0	2.50	15.10	2,610.0	810.0	-73.0	4.0	73.2	176.87	
2,709.0	2.60	353.20	2,703.0	717.0	-69.0	4.3	69.1	176.46	
2,803.0	2.60	347.70	2,796.9	623.1	-64.8	3.6	64.9	176.85	
2,896.0	2.50	349.80	2,889.8	530.2	-60.7	2.8	60.8	177.40	
2,989.0	2.40	353.50	2,982.7	437.3	-56.8	2.2	56.8	177.81	
3,083.0	2.00	355.40	3,076.6	343.4	-53.2	1.8	53.2	178.04	
3,176.0	1.70	350.60	3,169.6	250.4	-50.2	1.5	50.3	178.33	
3,269.0	1.70	351.60	3,262.5	157.5	-47.5	1.0	47.5	178.75	
3,363.0	1.30	359.60	3,356.5	83.5	-45.1	0.8	45.1	178.95	
3,456.0	1.20	20.90	3,449.5	-29.5	-43.1	1.2	43.1	178.45	
3,550.0	1.70	38.30	3,543.4	-123.4	-41.1	2.4	41.2	176.68	
3,643.0	2.00	45.30	3,636.4	-216.4	-38.9	4.4	39.1	173.55	
3,737.0	2.10	48.50	3,730.3	-310.3	-36.6	6.8	37.2	169.39	
3,830.0	2.40	50.90	3,823.3	-403.3	-34.2	9.6	35.5	164.27	
3,923.0	1.70	43.30	3,916.2	-496.2	-32.0	12.1	34.2	159.29	
4,017.0	1.40	32.00	4,010.2	-590.2	-30.0	13.7	33.0	155.52	
4,110.0	1.50	335.60	4,103.1	-683.1	-27.9	13.8	31.1	153.77	
4,204.0	2.20	323.10	4,197.1	-777.1	-25.4	12.2	28.1	154.37	



Microsoft
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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 (°)
4,297.0	2.50	322.90	4,290.0	-870.0	-22.3	9.9	24.4	156.14
4,391.0	2.60	323.80	4,383.9	-963.9	-19.0	7.4	20.3	158.74
4,485.0	2.70	322.50	4,477.8	-1,057.8	-15.5	4.8	16.2	162.88
4,578.0	1.80	317.50	4,570.7	-1,150.7	-12.7	2.4	12.9	169.06
4,671.0	1.40	316.50	4,663.7	-1,243.7	-10.8	0.7	10.8	176.39
4,764.0	1.10	324.40	4,756.7	-1,336.7	-9.2	-0.6	9.2	183.87
4,858.0	0.80	337.70	4,850.7	-1,430.7	-7.9	-1.4	8.0	190.06
4,944.0	0.60	3.40	4,936.7	-1,516.7	-6.9	-1.6	7.1	193.10
5,037.0	0.70	19.20	5,029.7	-1,609.7	-5.8	-1.4	6.0	193.31
5,131.0	1.50	212.10	5,123.7	-1,703.7	-6.3	-1.8	6.6	196.23
5,224.0	1.80	218.20	5,216.6	-1,796.6	-8.5	-3.4	9.2	201.73
5,318.0	2.10	218.30	5,310.6	-1,890.6	-11.0	-5.4	12.3	205.98
5,411.0	2.20	218.60	5,403.5	-1,983.5	-13.8	-7.5	15.7	208.73
5,504.0	2.00	218.20	5,496.4	-2,076.4	-16.4	-9.7	19.1	210.45
5,597.0	2.10	217.10	5,589.4	-2,169.4	-19.1	-11.7	22.4	211.52
5,690.0	2.30	213.70	5,682.3	-2,262.3	-22.0	-13.8	25.9	212.04
5,783.0	2.30	215.00	5,775.2	-2,355.2	-25.1	-15.9	29.7	212.33
5,877.0	1.80	210.70	5,869.2	-2,449.2	-27.9	-17.7	33.0	212.41
5,970.0	1.80	210.00	5,962.1	-2,542.1	-30.4	-19.2	35.9	212.24
6,063.0	2.00	230.70	6,055.1	-2,635.1	-32.7	-21.2	38.9	212.92
6,157.0	1.90	234.70	6,149.0	-2,729.0	-34.6	-23.7	42.0	214.39
6,250.0	2.70	228.30	6,241.9	-2,821.9	-37.0	-26.6	45.6	215.72
6,343.0	2.90	223.20	6,334.8	-2,914.8	-40.2	-29.8	50.0	216.62
6,437.0	2.90	226.80	6,428.7	-3,008.7	-43.5	-33.2	54.7	217.35
6,530.0	2.20	225.50	6,521.6	-3,101.6	-46.4	-36.2	58.8	217.97
6,624.0	2.60	222.80	6,615.5	-3,195.5	-49.2	-38.9	62.7	218.35
6,717.0	2.40	220.10	6,708.5	-3,288.5	-52.2	-41.6	66.8	218.54



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Well: Ibox 10 B3OB Fed Com #1H
Wellbore: Original Hole
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Local Co-ordinate Reference: Well Ibox 10 B3OB Fed Com #1H
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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
6,810.0	2.40	224.20	6,801.4	-3,381.4	-55.1	-44.2	70.7	218.74
6,903.0	2.40	223.10	6,894.3	-3,474.3	-57.9	-46.9	74.6	219.00
6,996.0	2.40	225.50	6,987.2	-3,567.2	-60.7	-49.6	78.4	219.26
7,089.0	2.40	222.50	7,080.1	-3,660.1	-63.5	-52.3	82.3	219.48
7,182.0	2.20	227.20	7,173.0	-3,753.0	-66.2	-55.0	86.0	219.71
7,275.0	1.80	242.80	7,266.0	-3,846.0	-68.1	-57.6	89.1	220.23
7,368.0	2.50	232.60	7,358.9	-3,938.9	-70.0	-60.5	92.5	220.84
7,461.0	2.60	230.30	7,451.8	-4,031.8	-72.5	-63.7	96.6	221.30
7,554.0	2.80	230.80	7,544.7	-4,124.7	-75.3	-67.1	100.9	221.70
7,647.0	2.80	232.70	7,637.6	-4,217.6	-78.1	-70.7	105.4	222.13
7,741.0	2.60	229.90	7,731.5	-4,311.5	-80.9	-74.1	109.7	222.50
7,834.0	2.40	233.10	7,824.4	-4,404.4	-83.4	-77.3	113.7	222.82
7,927.0	2.10	212.90	7,917.4	-4,497.4	-86.0	-79.8	117.3	222.84
8,019.0	2.00	210.80	8,009.3	-4,589.3	-88.8	-81.5	120.6	222.54
8,112.0	2.60	205.50	8,102.2	-4,682.2	-92.1	-83.3	124.2	222.11
8,205.0	2.30	206.00	8,195.1	-4,775.1	-95.7	-85.0	128.0	221.60
8,298.0	2.00	202.50	8,288.1	-4,868.1	-98.9	-86.4	131.3	221.15
8,391.0	2.40	214.20	8,381.0	-4,961.0	-102.0	-88.1	134.8	220.83
8,484.0	2.50	213.50	8,473.9	-5,053.9	-105.3	-90.4	138.7	220.63
8,578.0	2.50	210.40	8,567.8	-5,147.8	-108.8	-92.5	142.8	220.39
8,671.0	2.90	221.70	8,660.7	-5,240.7	-112.3	-95.1	147.1	220.27
8,764.0	2.20	223.70	8,753.6	-5,333.6	-115.3	-97.9	151.3	220.33
8,857.0	1.80	223.70	8,846.6	-5,426.6	-117.7	-100.2	154.5	220.40
8,951.0	2.60	218.60	8,940.5	-5,520.5	-120.4	-102.5	158.1	220.41
9,044.0	3.00	221.90	9,033.4	-5,613.4	-123.9	-105.4	162.7	220.41
9,137.0	3.30	213.90	9,126.3	-5,706.3	-127.9	-108.6	167.8	220.33
9,231.0	3.10	213.10	9,220.1	-5,800.1	-132.3	-111.5	173.0	220.12



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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
9,324.0	2.90	218.80	9,313.0	-5,893.0	-136.2	-114.3	177.8	220.00
9,416.0	2.90	203.20	9,404.9	-5,984.9	-140.2	-116.7	182.4	219.78
9,510.0	2.60	213.00	9,498.8	-6,078.8	-144.1	-118.8	186.8	219.49
9,603.0	2.50	209.30	9,591.7	-6,171.7	-147.7	-120.9	190.9	219.31
9,696.0	2.50	208.90	9,684.6	-6,264.6	-151.2	-122.9	194.9	219.10
9,789.0	2.20	212.30	9,777.5	-6,357.5	-154.5	-124.8	198.6	218.94
9,882.0	2.70	209.10	9,870.4	-6,450.4	-157.9	-126.8	202.6	218.77
9,975.0	2.30	206.80	9,963.3	-6,543.3	-161.5	-128.8	206.5	218.56
10,068.0	2.10	203.40	10,056.3	-6,636.3	-164.7	-130.3	210.0	218.34
10,161.0	2.40	212.50	10,149.2	-6,729.2	-167.9	-132.0	213.6	218.17
10,254.0	2.50	213.30	10,242.1	-6,822.1	-171.3	-134.2	217.6	218.07
10,347.0	2.40	205.00	10,335.0	-6,915.0	-174.7	-136.1	221.5	217.91
10,440.0	1.80	193.00	10,428.0	-7,008.0	-177.9	-137.2	224.7	217.64
10,533.0	1.10	204.50	10,520.9	-7,100.9	-180.2	-137.9	226.9	217.44
10,627.0	1.40	207.50	10,614.9	-7,194.9	-182.0	-138.8	228.9	217.34
10,712.4	1.21	197.99	10,700.2	-7,280.2	-183.8	-139.6	230.8	217.22
B.B. Ibex 10 B3OB Fed Com 1H								
10,720.0	1.20	197.00	10,707.9	-7,287.9	-183.9	-139.7	230.9	217.21
10,750.0	1.10	195.20	10,737.9	-7,317.9	-184.5	-139.8	231.5	217.15
10,800.0	0.70	205.20	10,787.9	-7,367.9	-185.3	-140.1	232.3	217.09
10,831.0	2.60	31.20	10,818.9	-7,398.9	-184.8	-139.8	231.7	217.10
10,862.0	6.70	15.80	10,849.7	-7,429.7	-182.5	-138.9	229.4	217.28
10,893.0	10.20	11.30	10,880.4	-7,460.4	-178.1	-137.9	225.2	217.76
10,924.0	14.50	9.50	10,910.7	-7,490.7	-171.5	-136.7	219.4	218.56
10,955.0	17.90	8.10	10,940.4	-7,520.4	-163.0	-135.4	211.9	219.72
10,986.0	21.10	6.70	10,969.7	-7,549.7	-152.7	-134.1	203.2	221.28
11,017.0	25.90	4.00	10,998.1	-7,578.1	-140.4	-133.0	193.4	223.44



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11,048.0	30.40	3.10	11,025.4	-7,605.4	-125.8	-132.1	182.4	226.39
11,079.0	34.30	2.50	11,051.6	-7,631.6	-109.3	-131.3	170.8	230.23
11,110.0	39.10	0.80	11,076.4	-7,656.4	-90.7	-130.7	159.2	235.24
11,141.0	43.90	0.00	11,099.7	-7,679.7	-70.2	-130.6	148.3	241.74
11,172.0	48.30	359.40	11,121.1	-7,701.1	-47.9	-130.7	139.2	249.88
11,203.0	52.70	358.50	11,140.9	-7,720.9	-24.0	-131.2	133.4	259.64
11,234.0	55.90	358.20	11,158.9	-7,738.9	1.2	-131.9	131.9	270.52
11,265.0	58.20	358.00	11,175.8	-7,755.8	27.2	-132.8	135.5	281.57
11,296.0	61.10	358.00	11,191.5	-7,771.5	53.9	-133.7	144.2	291.96
11,327.0	64.10	358.30	11,205.7	-7,785.7	81.4	-134.6	157.3	301.17
11,354.0	65.80	359.10	11,217.2	-7,797.2	105.9	-135.1	171.7	308.08
11,425.0	70.90	358.30	11,243.4	-7,823.4	171.8	-136.6	219.5	321.51
11,456.0	73.50	357.40	11,252.8	-7,832.8	201.3	-137.8	243.9	325.62
11,487.0	76.00	357.00	11,261.0	-7,841.0	231.2	-139.2	269.9	328.94
11,518.0	78.10	356.70	11,267.9	-7,847.9	261.4	-140.9	296.9	331.67
11,549.0	80.60	355.80	11,273.7	-7,853.7	291.8	-142.9	324.9	333.91
11,581.0	83.60	356.70	11,278.1	-7,858.1	323.4	-144.9	354.4	335.86
11,612.0	86.80	357.40	11,280.6	-7,860.6	354.2	-146.5	383.3	337.53
11,643.0	89.30	357.80	11,281.7	-7,861.7	385.2	-147.8	412.6	339.00
11,737.0	90.20	357.70	11,282.1	-7,862.1	479.1	-151.5	502.5	342.45
11,742.0	90.20	357.74	11,282.1	-7,862.1	484.1	-151.7	507.3	342.60
LP Ibox 10 B3OB Fed Com 1H								
11,831.0	90.20	358.40	11,281.8	-7,861.8	573.0	-154.7	593.6	344.89
11,924.0	90.50	358.80	11,281.2	-7,861.2	666.0	-157.0	684.3	346.74
12,017.0	90.40	0.10	11,280.5	-7,860.5	759.0	-157.9	775.3	348.25
12,111.0	90.70	1.40	11,279.6	-7,859.6	853.0	-156.7	867.3	349.59
12,205.0	88.70	1.70	11,280.1	-7,860.1	947.0	-154.1	959.4	350.76



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 15-10-23S-34E Ibox 10 B3OB Fed Com
Well: Ibox 10 B3OB Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Ibox 10 B3OB Fed Com #1H
TVD Reference: 3393 + 27 @ 3420.0usft (Patterson 250)
MD Reference: 3393 + 27 @ 3420.0usft (Patterson 250)
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 (°)
12,298.0	89.00	2.60	11,281.9	-7,861.9	1,039.9	-150.6	1,050.7	351.76
12,391.0	88.20	0.90	11,284.2	-7,864.2	1,132.8	-147.8	1,142.4	352.57
12,485.0	89.30	357.70	11,286.3	-7,866.3	1,226.7	-148.9	1,235.8	353.08
12,578.0	88.10	356.50	11,288.4	-7,868.4	1,319.6	-153.6	1,328.5	353.36
12,672.0	91.20	356.70	11,289.0	-7,869.0	1,413.4	-159.2	1,422.4	353.57
12,765.0	92.10	356.80	11,286.3	-7,866.3	1,506.2	-164.5	1,515.2	353.77
12,859.0	93.10	358.90	11,282.0	-7,862.0	1,600.1	-168.0	1,608.9	354.01
12,952.0	89.30	359.60	11,280.1	-7,860.1	1,693.0	-169.2	1,701.5	354.29
13,046.0	88.70	0.00	11,281.7	-7,861.7	1,787.0	-169.5	1,795.0	354.58
13,140.0	88.30	359.80	11,284.2	-7,864.2	1,881.0	-169.7	1,888.6	354.84
13,233.0	91.80	359.80	11,284.1	-7,864.1	1,974.0	-170.0	1,981.3	355.08
13,327.0	87.00	359.80	11,285.1	-7,865.1	2,067.9	-170.4	2,074.9	355.29
13,421.0	87.80	0.40	11,289.3	-7,869.3	2,161.8	-170.2	2,168.5	355.50
13,514.0	88.90	0.80	11,292.0	-7,872.0	2,254.8	-169.2	2,261.1	355.71
13,607.0	89.90	0.70	11,293.0	-7,873.0	2,347.8	-168.0	2,353.8	355.91
13,701.0	91.30	0.50	11,292.0	-7,872.0	2,441.8	-167.0	2,447.5	356.09
13,794.0	90.60	1.00	11,290.5	-7,870.5	2,534.7	-165.8	2,540.1	356.26
13,888.0	90.90	0.90	11,289.2	-7,869.2	2,628.7	-164.2	2,633.8	356.42
13,982.0	88.80	359.60	11,289.5	-7,869.5	2,722.7	-163.8	2,727.6	356.56
14,076.0	88.70	359.40	11,291.5	-7,871.5	2,816.7	-164.7	2,821.5	356.65
14,171.0	88.80	359.10	11,293.6	-7,873.6	2,911.6	-165.9	2,916.4	356.74
14,264.0	88.70	358.40	11,295.6	-7,875.6	3,004.6	-167.9	3,009.3	356.80
14,358.0	89.50	357.70	11,297.1	-7,877.1	3,098.5	-171.1	3,103.3	356.84
14,452.0	90.20	358.60	11,297.3	-7,877.3	3,192.5	-174.2	3,197.2	356.88
14,547.0	91.10	358.20	11,296.3	-7,876.3	3,287.4	-176.8	3,292.2	356.92
14,641.0	91.70	358.80	11,294.0	-7,874.0	3,381.4	-179.3	3,386.1	356.97
14,734.0	90.40	358.90	11,292.3	-7,872.3	3,474.3	-181.1	3,479.1	357.02



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 15-10-23S-34E Ibex 10 B3OB Fed Com
Well: Ibex 10 B3OB Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Ibex 10 B3OB Fed Com #1H
TVD Reference: 3393 + 27 @ 3420.0usft (Patterson 250)
MD Reference: 3393 + 27 @ 3420.0usft (Patterson 250)
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 (°)
14,828.0	91.00	359.00	11,291.1	-7,871.1	3,568.3	-182.9	3,573.0	357.07
14,922.0	89.80	357.70	11,290.5	-7,870.5	3,662.3	-185.6	3,667.0	357.10
15,016.0	90.60	358.20	11,290.1	-7,870.1	3,756.2	-188.9	3,761.0	357.12
15,110.0	89.40	358.20	11,290.1	-7,870.1	3,850.2	-191.9	3,854.9	357.15
15,204.0	88.10	358.10	11,292.2	-7,872.2	3,944.1	-194.9	3,948.9	357.17
15,297.0	90.10	0.00	11,293.6	-7,873.6	4,037.1	-196.5	4,041.8	357.21
15,391.0	89.60	0.00	11,293.9	-7,873.9	4,131.1	-196.5	4,135.7	357.28
15,485.0	92.20	1.70	11,292.4	-7,872.4	4,225.0	-195.1	4,229.5	357.36
15,579.0	90.60	2.60	11,290.1	-7,870.1	4,318.9	-191.5	4,323.2	357.46
15,673.0	90.80	3.00	11,289.0	-7,869.0	4,412.8	-186.9	4,416.8	357.57
15,768.0	88.80	2.60	11,289.3	-7,869.3	4,507.7	-182.3	4,511.4	357.68
15,861.0	87.60	1.80	11,292.2	-7,872.2	4,600.6	-178.7	4,604.0	357.78
15,955.0	87.60	0.70	11,296.2	-7,876.2	4,694.5	-176.7	4,697.8	357.84
16,049.0	89.00	1.30	11,298.9	-7,878.9	4,788.4	-175.1	4,791.6	357.91
16,143.0	90.90	1.50	11,299.0	-7,879.0	4,882.4	-172.8	4,885.4	357.97
16,237.0	92.70	2.10	11,296.1	-7,876.1	4,976.3	-169.8	4,979.2	358.05
16,331.0	92.30	1.60	11,292.0	-7,872.0	5,070.1	-166.8	5,072.9	358.12
16,425.0	92.40	1.30	11,288.1	-7,868.1	5,164.0	-164.4	5,166.6	358.18
16,519.0	89.30	359.60	11,286.7	-7,866.7	5,258.0	-163.7	5,260.5	358.22
16,568.0	89.20	359.70	11,287.4	-7,867.4	5,307.0	-164.0	5,309.5	358.23
16,625.0	89.20	359.70	11,288.2	-7,868.2	5,364.0	-164.3	5,366.5	358.25

16625.0' Projected to Bit - PBHL Ibex 10 B3OB Fed Com 1H



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 15-10-23S-34E Ibex 10 B3OB Fed Com
Well: Ibex 10 B3OB Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Ibex 10 B3OB Fed Com #1H
TVD Reference: 3393 + 27 @ 3420.0usft (Patterson 250)
MD Reference: 3393 + 27 @ 3420.0usft (Patterson 250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
16,625.0	11,288.2	5,364.0	-164.3	16625.0' Projected to Bit



October 29, 2018

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
Ibex 10 B3OB Federal Com #001H
Antelope Ridge; Bone Spring, NW
Lea County, New Mexico
API# 30-025-44587

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>
Jeremy Flores	Original Hole	1,873ft. to 16,568ft.	08-16-18 to 08-25-18	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\Ibex 10 B3OB Federal Com #1H\M181113

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 16, 2018, through August 25, 2018 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 1,873feet to a depth of 16,568feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Ibex 10 B3OB Federal Com #1H, well API # **30-025-44587** in Lea 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

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