



September 10, 2018

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 06 2018

RECEIVED

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

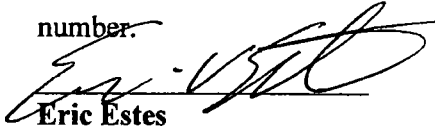
Attn: Jackie Lathan

Re: Mewbourne Oil Company
Oxbow 26-25 W1DA Federal Com #001H
Purple Sage; Wolfcamp WFMP "A" Shale
Eddy County, New Mexico
API# 30-015-44964

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>
Jimmy Walker	Original Hole	571ft. to 19,857ft.	05-27-18 to 07-04-18	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\Oxbow 26 25 W1DA Federal Com #001H\M181070

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



September 10, 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 May 27, 2018, through July 4, 2018 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 571 feet to a depth of 19,857 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 Oxbow 26-25 W1DA Fed Com #001H, well API # **30-15-44816** 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

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Microsoft MWD Surveys



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 26 25 -25S-28E Oxbow W1DA Fed Com
Well: Oxbow 26 25 W1DA Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Oxbow 26 25 W1DA Fed Com #1H
TVD Reference: 2955 + 27 @ 2982.0usft (Patterson 562)
MD Reference: 2955 + 27 @ 2982.0usft (Patterson 562)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey Program		Date 7/6/2018			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	433.0	Phoenix Gyro Survey (Original Hole)	NSG-CT_WL	Continuous north-seeking gyro on wireline	
571.0	19,925.0	MWD Survey (Original Hole)	MWD	MWD v3:standard declination	

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
433.0	0.86	248.02	433.0	2,549.0	-0.4	-5.0	5.1	265.29	Tie-In
571.0	1.70	282.50	570.9	2,411.1	-0.4	-8.0	8.0	267.43	
636.0	1.50	285.90	635.9	2,346.1	0.1	-9.8	9.8	270.48	
698.0	0.40	336.40	697.9	2,284.1	0.5	-10.6	10.6	272.71	
760.0	1.10	91.10	759.9	2,222.1	0.7	-10.1	10.1	273.90	
856.0	1.00	87.50	855.9	2,126.1	0.7	-8.4	8.4	274.85	
952.0	0.40	76.40	951.9	2,030.1	0.8	-7.2	7.2	276.53	
1,047.0	0.40	106.00	1,046.9	1,935.1	0.8	-6.6	6.6	277.05	
1,142.0	0.10	140.60	1,141.9	1,840.1	0.7	-6.2	6.2	276.05	
1,238.0	0.20	136.30	1,237.9	1,744.1	0.5	-6.0	6.0	274.46	
1,333.0	0.30	165.10	1,332.9	1,649.1	0.1	-5.8	5.8	271.07	
1,428.0	0.20	157.10	1,427.9	1,554.1	-0.3	-5.7	5.7	267.15	
1,523.0	0.20	181.70	1,522.9	1,459.1	-0.6	-5.6	5.7	263.91	
1,618.0	0.30	126.90	1,617.9	1,364.1	-0.9	-5.5	5.5	260.44	
1,713.0	0.40	128.10	1,712.9	1,269.1	-1.3	-5.0	5.2	255.71	
1,809.0	0.50	128.80	1,808.9	1,173.1	-1.7	-4.4	4.7	248.42	
1,904.0	0.70	119.90	1,903.9	1,078.1	-2.3	-3.6	4.2	237.36	
1,999.0	1.30	115.00	1,998.8	983.2	-3.0	-2.1	3.7	214.63	
2,094.0	1.20	111.90	2,093.8	888.2	-3.9	-0.2	3.9	182.91	
2,189.0	1.10	112.50	2,188.8	793.2	-4.6	1.6	4.8	161.09	
2,284.0	1.40	110.60	2,283.8	698.2	-5.3	3.5	6.4	146.76	



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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 (°)
2,379.0	1.10	90.90	2,378.8	603.2	-5.8	5.5	8.0	136.35
2,475.0	0.90	72.10	2,474.7	507.3	-5.5	7.1	9.0	127.85
2,568.0	0.70	78.50	2,567.7	414.3	-5.2	8.4	9.9	121.75
2,703.0	2.10	347.30	2,702.7	279.3	-2.6	8.6	9.0	106.63
2,799.0	6.20	323.60	2,798.4	183.6	3.3	5.2	6.1	57.40
2,894.0	7.30	312.30	2,892.8	89.2	11.5	-2.3	11.7	348.53
2,989.0	8.00	291.20	2,986.9	-4.9	18.0	-13.0	22.1	324.17
3,084.0	8.00	275.90	3,081.0	-99.0	21.0	-25.7	33.2	309.29
3,179.0	6.30	270.10	3,175.3	-193.3	21.7	-37.5	43.3	300.08
3,274.0	4.40	264.70	3,269.9	-287.9	21.4	-46.3	51.0	294.78
3,369.0	2.90	271.40	3,364.7	-382.7	21.1	-52.4	56.5	291.96
3,465.0	2.30	286.40	3,460.6	-478.6	21.7	-56.6	60.7	290.97
3,559.0	2.20	285.20	3,554.5	-572.5	22.7	-60.2	64.3	290.68
3,655.0	3.80	308.60	3,650.4	-668.4	25.2	-64.5	69.2	291.34
3,751.0	4.40	315.30	3,746.1	-764.1	29.8	-69.5	75.6	293.19
3,847.0	4.50	314.60	3,841.8	-859.8	35.1	-74.8	82.6	295.11
3,942.0	5.30	300.10	3,936.5	-954.5	39.9	-81.3	90.5	296.14
4,037.0	3.40	274.30	4,031.2	-1,049.2	42.3	-87.9	97.5	295.70
4,132.0	3.30	267.40	4,126.1	-1,144.1	42.4	-93.4	102.6	294.40
4,228.0	3.30	265.90	4,221.9	-1,239.9	42.0	-98.9	107.5	293.03
4,323.0	3.50	265.30	4,316.7	-1,334.7	41.6	-104.5	112.5	291.71
4,419.0	2.20	266.60	4,412.6	-1,430.6	41.3	-109.3	116.8	290.68
4,514.0	2.90	283.00	4,507.5	-1,525.5	41.7	-113.5	120.9	290.18
4,609.0	3.00	284.90	4,602.4	-1,620.4	42.9	-118.2	125.7	289.94
4,705.0	3.00	284.80	4,698.3	-1,716.3	44.2	-123.1	130.7	289.74
4,800.0	3.50	279.60	4,793.1	-1,811.1	45.3	-128.3	136.1	289.44
4,894.0	3.70	277.30	4,886.9	-1,904.9	46.1	-134.2	141.9	288.98



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4,990.0	2.70	294.80	4,982.8	-2,000.8	47.5	-139.3	147.2	288.83
5,085.0	2.70	304.20	5,077.7	-2,095.7	49.7	-143.2	151.5	289.14
5,179.0	2.60	298.00	5,171.6	-2,189.6	51.9	-146.9	155.8	289.47
5,275.0	2.60	297.30	5,267.5	-2,285.5	53.9	-150.7	160.1	289.69
5,370.0	4.00	299.70	5,362.3	-2,380.3	56.6	-155.5	165.5	289.99
5,465.0	4.20	296.90	5,457.1	-2,475.1	59.8	-161.5	172.2	290.32
5,561.0	4.20	297.20	5,552.8	-2,570.8	63.0	-167.8	179.2	290.58
5,656.0	4.00	298.50	5,647.6	-2,665.6	66.2	-173.8	185.9	290.84
5,751.0	3.80	299.20	5,742.4	-2,760.4	69.3	-179.4	192.3	291.11
5,846.0	3.50	292.70	5,837.2	-2,855.2	71.9	-184.9	198.4	291.26
5,940.0	3.50	286.80	5,931.0	-2,949.0	73.9	-190.3	204.1	291.22
6,036.0	3.30	284.20	6,026.8	-3,044.8	75.4	-195.7	209.8	291.07
6,132.0	2.70	282.70	6,122.7	-3,140.7	76.6	-200.6	214.7	290.89
6,226.0	2.20	279.00	6,216.6	-3,234.6	77.3	-204.6	218.7	290.71
6,321.0	2.20	289.40	6,311.5	-3,329.5	78.2	-208.1	222.3	290.60
6,416.0	2.10	268.50	6,406.5	-3,424.5	78.8	-211.5	225.7	290.43
6,511.0	1.80	262.00	6,501.4	-3,519.4	78.5	-214.8	228.7	290.09
6,606.0	4.00	305.10	6,596.3	-3,614.3	80.2	-219.0	233.2	290.13
6,701.0	4.40	306.10	6,691.0	-3,709.0	84.3	-224.6	239.9	290.57
6,797.0	2.80	292.10	6,786.8	-3,804.8	87.3	-229.8	245.8	290.81
6,892.0	3.30	294.50	6,881.7	-3,899.7	89.3	-234.4	250.8	290.87
6,987.0	2.50	296.00	6,976.6	-3,994.6	91.4	-238.7	255.6	290.95
7,082.0	1.40	291.00	7,071.5	-4,089.5	92.7	-241.7	258.9	290.99
7,177.0	3.90	288.60	7,166.4	-4,184.4	94.2	-245.8	263.3	290.96
7,272.0	3.70	277.40	7,261.2	-4,279.2	95.6	-251.9	269.5	290.78
7,367.0	3.40	277.00	7,356.0	-4,374.0	96.3	-257.8	275.2	290.49
7,462.0	3.00	276.60	7,450.9	-4,468.9	97.0	-263.0	280.3	290.23



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7,557.0	4.20	263.60	7,545.7	-4,563.7	96.9	-269.0	285.9	289.80
7,652.0	4.30	264.50	7,640.4	-4,658.4	96.1	-276.0	292.2	289.20
7,747.0	5.70	262.80	7,735.1	-4,753.1	95.2	-284.2	299.7	288.52
7,842.0	5.50	260.80	7,829.6	-4,847.6	93.9	-293.4	308.0	287.74
7,938.0	3.80	264.80	7,925.3	-4,943.3	92.8	-301.1	315.1	287.14
8,033.0	5.00	260.00	8,020.0	-5,038.0	91.8	-308.3	321.7	286.59
8,128.0	4.60	258.10	8,114.7	-5,132.7	90.3	-316.1	328.8	285.95
8,223.0	2.50	266.60	8,209.5	-5,227.5	89.4	-321.9	334.1	285.53
8,318.0	3.00	292.10	8,304.4	-5,322.4	90.2	-326.3	338.5	285.46
8,413.0	3.30	278.70	8,399.2	-5,417.2	91.6	-331.3	343.7	285.46
8,508.0	3.40	262.90	8,494.1	-5,512.1	91.7	-336.8	349.0	285.22
8,603.0	3.30	258.30	8,588.9	-5,606.9	90.8	-342.2	354.1	284.85
8,698.0	2.00	277.00	8,683.8	-5,701.8	90.4	-346.6	358.2	284.62
8,793.0	0.30	15.60	8,778.8	-5,796.8	90.8	-348.1	359.8	284.62
8,888.0	0.50	99.20	8,873.8	-5,891.8	91.0	-347.7	359.4	284.67
8,983.0	0.10	143.60	8,968.8	-5,986.8	90.9	-347.2	358.9	284.67
9,078.0	0.60	211.00	9,063.8	-6,081.8	90.4	-347.4	359.0	284.58
9,174.0	0.80	189.10	9,159.8	-6,177.8	89.3	-347.8	359.1	284.40
9,196.0	0.92	190.98	9,181.8	-6,199.8	89.0	-347.8	359.0	284.35
B.B. Oxbow 26 25 W1DA Fed Com 1H								
9,230.0	1.10	193.10	9,215.8	-6,233.8	88.4	-348.0	359.0	284.25
9,285.0	1.40	151.20	9,270.8	-6,288.8	87.3	-347.8	358.5	284.09
9,316.0	3.90	109.20	9,301.7	-6,319.7	86.6	-346.6	357.2	284.03
9,348.0	8.20	93.90	9,333.6	-6,351.6	86.1	-343.3	353.9	284.08
9,380.0	12.40	86.00	9,365.0	-6,383.0	86.2	-337.6	348.4	284.32
9,412.0	15.70	82.90	9,396.1	-6,414.1	87.0	-329.8	341.1	284.77
9,444.0	19.30	82.10	9,426.6	-6,444.6	88.2	-320.3	332.2	285.40



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9,475.0	21.80	84.20	9,455.6	-6,473.6	89.5	-309.5	322.2	286.13
9,507.0	23.30	88.90	9,485.2	-6,503.2	90.2	-297.3	310.7	286.88
9,538.0	24.00	94.70	9,513.6	-6,531.6	89.8	-284.8	298.7	287.50
9,570.0	25.80	95.30	9,542.6	-6,560.6	88.6	-271.4	285.5	288.09
9,602.0	28.50	95.70	9,571.1	-6,589.1	87.2	-256.9	271.3	288.76
9,634.0	32.20	95.20	9,598.7	-6,616.7	85.7	-240.8	255.6	289.59
9,666.0	34.50	95.20	9,625.4	-6,643.4	84.1	-223.3	238.6	290.64
9,698.0	36.10	91.70	9,651.5	-6,669.5	83.0	-204.8	221.0	292.06
9,730.0	39.60	88.60	9,676.8	-6,694.8	83.0	-185.2	202.9	294.14
9,762.0	43.60	86.60	9,700.7	-6,718.7	83.9	-164.0	184.2	297.09
9,793.0	46.00	86.00	9,722.7	-6,740.7	85.3	-142.2	165.8	300.96
9,825.0	48.70	87.50	9,744.4	-6,762.4	86.6	-118.7	146.9	306.12
9,857.0	52.30	89.10	9,764.7	-6,782.7	87.4	-94.0	128.3	312.90
9,889.0	55.20	91.10	9,783.7	-6,801.7	87.3	-68.2	110.8	322.00
9,921.0	57.80	92.80	9,801.3	-6,819.3	86.4	-41.5	95.9	334.31
9,952.0	60.80	93.20	9,817.1	-6,835.1	85.0	-14.9	86.3	350.03
10,025.0	70.80	94.00	9,847.0	-6,865.0	80.8	51.4	95.8	32.48
10,056.0	75.50	94.20	9,856.0	-6,874.0	78.7	81.0	112.9	45.84
10,071.0	78.20	93.30	9,859.4	-6,877.4	77.7	95.6	123.2	50.89
10,102.0	84.00	91.00	9,864.2	-6,882.2	76.6	126.2	147.6	58.75
10,133.0	87.80	89.30	9,866.4	-6,884.4	76.5	157.1	174.7	64.04
10,196.0	88.00	88.90	9,868.7	-6,886.7	77.5	220.0	233.3	70.60
10,291.0	89.90	87.60	9,870.5	-6,888.5	80.4	315.0	325.1	75.68
10,387.0	89.50	87.50	9,871.0	-6,889.0	84.5	410.9	419.5	78.38
10,482.0	90.90	87.30	9,870.7	-6,888.7	88.8	505.8	513.5	80.04
10,548.1	91.46	87.65	9,869.3	-6,887.3	91.7	571.8	579.2	80.89

LP Oxbow 26 25 W1DA 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 (°)
10,576.0	91.70	87.80	9,868.5	-6,886.5	92.8	599.7	606.8	81.20
10,672.0	92.00	89.10	9,865.4	-6,883.4	95.4	695.6	702.1	82.19
10,767.0	91.40	90.40	9,862.6	-6,880.6	95.8	790.5	796.3	83.09
10,861.0	89.70	91.70	9,861.7	-6,879.7	94.1	884.5	889.5	83.93
10,956.0	91.10	92.90	9,861.0	-6,879.0	90.3	979.4	983.6	84.73
11,051.0	89.50	93.90	9,860.5	-6,878.5	84.7	1,074.3	1,077.6	85.49
11,146.0	87.70	93.70	9,862.9	-6,880.9	78.4	1,169.0	1,171.6	86.16
11,241.0	86.70	91.20	9,867.5	-6,885.5	74.3	1,263.8	1,266.0	86.64
11,336.0	85.40	88.20	9,874.1	-6,892.1	74.8	1,358.6	1,360.6	86.85
11,431.0	86.70	86.80	9,880.6	-6,898.6	78.9	1,453.3	1,455.4	86.89
11,527.0	89.90	86.00	9,883.4	-6,901.4	85.0	1,549.0	1,551.3	86.86
11,622.0	90.60	87.80	9,883.0	-6,901.0	90.1	1,643.9	1,646.3	86.86
11,718.0	90.20	88.00	9,882.4	-6,900.4	93.6	1,739.8	1,742.3	86.92
11,813.0	90.30	88.00	9,881.9	-6,899.9	96.9	1,834.7	1,837.3	86.98
11,908.0	89.90	88.00	9,881.8	-6,899.8	100.2	1,929.7	1,932.3	87.03
12,003.0	89.70	86.70	9,882.1	-6,900.1	104.6	2,024.6	2,027.3	87.04
12,098.0	88.60	86.90	9,883.5	-6,901.5	109.9	2,119.4	2,122.3	87.03
12,194.0	88.10	87.40	9,886.3	-6,904.3	114.7	2,215.3	2,218.2	87.04
12,289.0	88.70	88.90	9,888.9	-6,906.9	117.8	2,310.2	2,313.2	87.08
12,384.0	90.40	89.60	9,889.7	-6,907.7	119.0	2,405.2	2,408.1	87.17
12,479.0	91.10	93.50	9,888.4	-6,906.4	116.5	2,500.1	2,502.8	87.33
12,574.0	88.70	94.00	9,888.6	-6,906.6	110.2	2,594.9	2,597.2	87.57
12,669.0	88.70	94.30	9,890.8	-6,908.8	103.4	2,689.6	2,691.6	87.80
12,765.0	88.50	95.20	9,893.1	-6,911.1	95.4	2,785.2	2,786.9	88.04
12,860.0	88.20	92.90	9,895.8	-6,913.8	88.7	2,880.0	2,881.3	88.24
12,955.0	87.20	89.20	9,899.7	-6,917.7	87.0	2,974.9	2,976.1	88.33
13,050.0	86.00	88.30	9,905.3	-6,923.3	89.0	3,069.7	3,071.0	88.34



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 26 25 -25S-28E Oxbow W1DA Fed Com
Well: Oxbow 26 25 W1DA Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Oxbow 26 25 W1DA Fed Com #1H
TVD Reference: 2955 + 27 @ 2982.0usft (Patterson 562)
MD Reference: 2955 + 27 @ 2982.0usft (Patterson 562)
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 (°)
13,146.0	87.90	87.50	9,910.4	-6,928.4	92.6	3,165.5	3,166.8	88.33
13,242.0	87.80	87.10	9,914.0	-6,932.0	97.1	3,261.3	3,262.7	88.30
13,336.0	88.30	87.30	9,917.2	-6,935.2	101.7	3,355.1	3,356.7	88.26
13,431.0	90.30	89.40	9,918.4	-6,936.4	104.4	3,450.1	3,451.6	88.27
13,526.0	90.40	88.90	9,917.8	-6,935.8	105.8	3,545.0	3,546.6	88.29
13,621.0	90.60	89.20	9,916.9	-6,934.9	107.4	3,640.0	3,641.6	88.31
13,716.0	90.00	88.30	9,916.5	-6,934.5	109.5	3,735.0	3,736.6	88.32
13,812.0	90.90	89.90	9,915.7	-6,933.7	111.0	3,831.0	3,832.6	88.34
13,907.0	90.90	89.60	9,914.2	-6,932.2	111.4	3,926.0	3,927.6	88.37
14,002.0	89.20	92.00	9,914.1	-6,932.1	110.1	4,021.0	4,022.5	88.43
14,098.0	90.20	92.10	9,914.6	-6,932.6	106.6	4,116.9	4,118.3	88.52
14,194.0	87.50	90.90	9,916.6	-6,934.6	104.1	4,212.8	4,214.1	88.58
14,289.0	87.40	91.00	9,920.8	-6,938.8	102.5	4,307.7	4,308.9	88.64
14,385.0	87.10	90.10	9,925.4	-6,943.4	101.6	4,403.6	4,404.8	88.68
14,479.0	86.50	89.10	9,930.6	-6,948.6	102.3	4,497.5	4,498.6	88.70
14,574.0	88.00	89.60	9,935.2	-6,953.2	103.3	4,592.3	4,593.5	88.71
14,669.0	88.70	89.80	9,937.9	-6,955.9	103.8	4,687.3	4,688.4	88.73
14,764.0	87.60	90.10	9,941.0	-6,959.0	103.9	4,782.2	4,783.4	88.76
14,859.0	91.00	90.50	9,942.2	-6,960.2	103.4	4,877.2	4,878.3	88.79
14,954.0	90.60	91.60	9,940.8	-6,958.8	101.7	4,972.2	4,973.2	88.83
15,050.0	91.30	90.30	9,939.2	-6,957.2	100.1	5,068.2	5,069.1	88.87
15,145.0	90.50	89.50	9,937.7	-6,955.7	100.3	5,163.1	5,164.1	88.89
15,241.0	89.30	88.80	9,937.9	-6,955.9	101.7	5,259.1	5,260.1	88.89
15,336.0	89.40	88.30	9,939.0	-6,957.0	104.1	5,354.1	5,355.1	88.89
15,431.0	90.20	89.30	9,939.3	-6,957.3	106.1	5,449.1	5,450.1	88.88
15,526.0	89.80	89.60	9,939.3	-6,957.3	107.0	5,544.1	5,545.1	88.89
15,621.0	88.80	89.60	9,940.5	-6,958.5	107.6	5,639.1	5,640.1	88.91

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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 (°)
15,715.0	89.50	91.20	9,941.9	-6,959.9	107.0	5,733.0	5,734.0	88.93
15,811.0	88.60	90.90	9,943.5	-6,961.5	105.2	5,829.0	5,830.0	88.97
15,906.0	86.10	90.70	9,947.9	-6,965.9	103.9	5,923.9	5,924.8	89.00
16,001.0	84.60	91.50	9,955.6	-6,973.6	102.1	6,018.6	6,019.4	89.03
16,098.0	87.90	91.60	9,961.9	-6,979.9	99.5	6,115.3	6,116.1	89.07
16,193.0	86.00	90.00	9,967.0	-6,985.0	98.1	6,210.2	6,210.9	89.09
16,288.0	85.20	89.10	9,974.2	-6,992.2	98.9	6,304.9	6,305.6	89.10
16,383.0	87.30	89.10	9,980.5	-6,998.5	100.4	6,399.6	6,400.4	89.10
16,478.0	88.10	88.20	9,984.3	-7,002.3	102.6	6,494.5	6,495.4	89.09
16,573.0	90.10	88.20	9,985.8	-7,003.8	105.6	6,589.5	6,590.3	89.08
16,668.0	93.40	87.10	9,982.9	-7,000.9	109.5	6,684.3	6,685.2	89.06
16,765.0	94.50	88.00	9,976.2	-6,994.2	113.6	6,781.0	6,782.0	89.04
16,860.0	92.60	89.20	9,970.3	-6,988.3	115.9	6,875.8	6,876.8	89.03
16,955.0	93.30	90.60	9,965.4	-6,983.4	116.1	6,970.7	6,971.6	89.05
17,050.0	90.60	90.60	9,962.2	-6,980.2	115.1	7,065.6	7,066.5	89.07
17,145.0	86.70	88.70	9,964.4	-6,982.4	115.7	7,160.6	7,161.5	89.07
17,240.0	87.60	88.60	9,969.1	-6,987.1	117.9	7,255.4	7,256.4	89.07
17,335.0	87.70	89.20	9,973.0	-6,991.0	119.8	7,350.3	7,351.3	89.07
17,430.0	87.30	89.60	9,977.2	-6,995.2	120.7	7,445.2	7,446.2	89.07
17,525.0	88.60	90.00	9,980.6	-6,998.6	121.1	7,540.2	7,541.1	89.08
17,620.0	88.40	90.10	9,983.1	-7,001.1	121.0	7,635.1	7,636.1	89.09
17,715.0	87.40	90.10	9,986.5	-7,004.5	120.8	7,730.1	7,731.0	89.10
17,810.0	86.10	89.70	9,991.9	-7,009.9	121.0	7,824.9	7,825.8	89.11
17,905.0	85.20	88.70	9,999.1	-7,017.1	122.3	7,919.6	7,920.6	89.12
18,000.0	91.50	88.50	10,001.9	-7,019.9	124.6	8,014.5	8,015.5	89.11
18,095.0	95.30	89.50	9,996.2	-7,014.2	126.3	8,109.3	8,110.3	89.11
18,190.0	93.90	89.70	9,988.6	-7,006.6	127.0	8,204.0	8,205.0	89.11

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18,286.0	90.60	89.40	9,984.8	-7,002.8	127.7	8,299.9	8,300.9	89.12
18,381.0	89.20	88.90	9,985.0	-7,003.0	129.1	8,394.9	8,395.9	89.12
18,476.0	89.70	89.00	9,985.9	-7,003.9	130.9	8,489.9	8,490.9	89.12
18,570.0	92.00	88.20	9,984.5	-7,002.5	133.2	8,583.8	8,584.9	89.11
18,665.0	90.30	88.70	9,982.6	-7,000.6	135.7	8,678.8	8,679.8	89.10
18,761.0	89.50	89.80	9,982.8	-7,000.8	137.0	8,774.7	8,775.8	89.11
18,856.0	86.60	89.80	9,986.0	-7,004.0	137.3	8,869.7	8,870.7	89.11
18,950.0	84.90	90.10	9,993.0	-7,011.0	137.4	8,963.4	8,964.5	89.12
19,046.0	88.70	91.10	9,998.3	-7,016.3	136.4	9,059.2	9,060.3	89.14
19,141.0	88.30	92.60	10,000.8	-7,018.8	133.3	9,154.2	9,155.1	89.17
19,236.0	87.10	90.90	10,004.6	-7,022.6	130.4	9,249.0	9,250.0	89.19
19,331.0	85.60	91.70	10,010.7	-7,028.7	128.3	9,343.8	9,344.7	89.21
19,426.0	87.80	89.70	10,016.2	-7,034.2	127.1	9,438.6	9,439.5	89.23
19,521.0	86.70	87.80	10,020.7	-7,038.7	129.2	9,533.5	9,534.4	89.22
19,616.0	86.70	86.50	10,028.2	-7,044.2	133.9	9,628.2	9,629.2	89.20
19,711.0	88.50	87.10	10,030.2	-7,048.2	139.2	9,723.0	9,724.0	89.18
19,806.0	87.70	86.70	10,033.3	-7,051.3	144.3	9,817.8	9,818.9	89.16
19,857.0	87.70	87.40	10,035.4	-7,053.4	147.0	9,868.7	9,869.8	89.15
19,925.0	87.70	87.40	10,038.1	-7,056.1	150.0	9,936.6	9,937.7	89.13

19925.0' MD Projected to Bit - PBHL Oxbow 26 25 W1DA Fed Com 1H

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
19,925.0	10,038.1	150.0	9,936.6	19925.0' MD Projected to Bit