



September 10, 2018

RECEIVED

OCT 25 2018

DISTRICT II-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

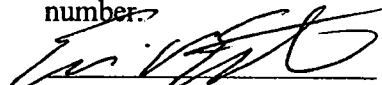
Re: Mewbourne Oil Company
Oxbow 26-25 W0DA Federal Com #002H
Purple Sage; Wolfcamp WFMP "A" Shale
Eddy County, New Mexico
API# 30-015-44972

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	597ft. to 19,437ft.	07-08-18 to 08-02-18	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 W0DA Federal Com #002HM181071

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



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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 July 8, 2018, through August 2, 2018 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 597 feet to a depth of 19,437 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 W0DA Fed Com #002H, well API # 30-15-44972 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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Montgomery, TX 77356

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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 26 25 W0DA Fed
Well: Oxbow 26 25 W0DA Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Oxbow 26 25 W0DA Fed Com #2H
TVD Reference: 2954 + 27 @ 2981.0usft (Patterson 562)
MD Reference: 2954 + 27 @ 2981.0usft (Patterson 562)
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 26 25-25S-28E Oxbow 26 25 W0DA Fed Com 2H		
Site Position:		Northing: 402,689.90 usft	Latitude: 32° 6' 24.445 N
From: Map		Easting: 624,325.60 usft	Longitude: 104° 3' 55.112 W
Position Uncertainty: 0.0 usft		Slot Radius: 13-3/16 "	Grid Convergence: 0.14 °

Well	Oxbow 26 25 W0DA Fed Com #2H		
Well Position	+N/-S 0.0 usft	Northing: 402,689.90 usft	Latitude: 32° 6' 24.445 N
	+E/-W 0.0 usft	Easting: 624,325.60 usft	Longitude: 104° 3' 55.112 W
Position Uncertainty	0.0 usft	Wellhead Elevation: 27.0 usft	Ground Level: 2,954.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/2/2018	7.08	59.86	47.729.49887072

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	151.34

Survey Program		Date 8/2/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
597.0	19,495.0	MWD Survey (Original Hole)	MWD	MWD v3:standard declination



Microsoft MWD Surveys



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MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
422.0	1.72	185.09	421.9	2,559.1	6.3	3.3	7.1	27.71	Tie-In
422.0' MD Phoenix Gyro Survey									
597.0	1.10	177.90	596.9	2,384.1	2.0	3.1	3.7	57.25	
721.0	0.60	199.10	720.9	2,260.1	0.2	3.0	3.0	85.73	
850.0	0.60	195.30	849.8	2,131.2	-1.1	2.6	2.8	112.47	
1,041.0	0.30	170.90	1,040.8	1,940.2	-2.5	2.4	3.5	136.51	
1,231.0	0.20	194.60	1,230.8	1,750.2	-3.3	2.4	4.1	144.39	
1,421.0	0.40	175.30	1,420.8	1,560.2	-4.3	2.4	4.9	151.34	
1,613.0	0.20	218.00	1,612.8	1,368.2	-5.3	2.2	5.7	157.18	
1,804.0	0.20	256.40	1,803.8	1,177.2	-5.6	1.7	5.8	163.27	
1,994.0	0.70	94.20	1,993.8	987.2	-5.8	2.5	6.3	156.39	
2,185.0	1.10	102.70	2,184.8	796.2	-6.2	5.5	8.3	138.79	
2,376.0	1.80	112.80	2,375.7	605.3	-7.8	10.0	12.7	127.93	
2,561.0	1.10	130.30	2,560.7	420.3	-10.1	14.1	17.3	125.66	
2,699.0	1.10	155.60	2,698.7	282.3	-12.1	15.6	19.8	127.89	
2,793.0	1.40	178.80	2,792.6	188.4	-14.1	16.0	21.3	131.41	
2,888.0	1.80	186.70	2,887.6	93.4	-16.8	15.9	23.1	136.58	
2,984.0	3.00	195.30	2,983.5	-2.5	-20.7	15.0	25.6	144.01	
3,079.0	3.90	207.70	3,078.3	-97.3	-25.9	12.9	29.0	153.62	
3,175.0	5.30	212.90	3,174.0	-193.0	-32.6	8.9	33.8	164.65	
3,270.0	6.60	212.00	3,268.5	-287.5	-40.9	3.7	41.0	174.88	
3,365.0	6.80	212.50	3,362.9	-381.9	-50.2	-2.3	50.3	182.57	
3,461.0	6.20	209.80	3,458.2	-477.2	-59.5	-7.9	60.1	187.54	
3,556.0	5.80	209.80	3,552.7	-571.7	-68.1	-12.8	69.3	190.65	
3,651.0	5.80	207.30	3,647.2	-666.2	-76.6	-17.4	78.5	192.81	
3,746.0	5.80	207.20	3,741.8	-760.8	-85.1	-21.8	87.9	194.37	
3,841.0	5.80	209.40	3,836.3	-855.3	-93.6	-26.4	97.2	195.73	



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3,936.0	5.60	208.40	3,930.8	-949.8	-101.8	-30.9	106.4	196.89
4,031.0	5.30	208.40	4,025.4	-1,044.4	-109.8	-35.2	115.3	197.78
4,126.0	5.20	195.10	4,120.0	-1,139.0	-117.8	-38.4	123.9	198.06
4,222.0	5.20	191.80	4,215.6	-1,234.6	-126.2	-40.4	132.6	197.76
4,316.0	5.30	195.20	4,309.2	-1,328.2	-134.6	-42.4	141.1	197.50
4,412.0	5.40	194.00	4,404.8	-1,423.8	-143.3	-44.7	150.1	197.33
4,507.0	5.30	195.40	4,499.4	-1,518.4	-151.8	-46.9	158.9	197.18
4,602.0	5.10	194.40	4,594.0	-1,613.0	-160.1	-49.2	167.5	197.07
4,697.0	4.90	194.20	4,688.6	-1,707.6	-168.2	-51.2	175.8	196.94
4,792.0	5.20	199.00	4,783.2	-1,802.2	-176.2	-53.6	184.1	196.92
4,888.0	5.10	199.70	4,878.8	-1,897.8	-184.3	-56.5	192.8	197.03
4,983.0	5.00	201.40	4,973.5	-1,992.5	-192.1	-59.4	201.1	197.18
5,078.0	5.10	200.60	5,068.1	-2,087.1	-199.9	-62.4	209.4	197.33
5,172.0	4.50	200.50	5,161.8	-2,180.8	-207.3	-65.2	217.3	197.45
5,267.0	4.70	196.60	5,256.5	-2,275.5	-214.5	-67.6	224.9	197.48
5,362.0	5.50	195.60	5,351.1	-2,370.1	-222.6	-69.9	233.4	197.43
5,457.0	4.80	196.40	5,445.7	-2,464.7	-230.8	-72.3	241.9	197.38
5,552.0	4.70	195.50	5,540.4	-2,559.4	-238.4	-74.4	249.7	197.34
5,648.0	4.50	195.80	5,636.1	-2,655.1	-245.8	-76.5	257.4	197.28
5,743.0	5.20	198.50	5,730.7	-2,749.7	-253.5	-78.9	265.5	197.28
5,838.0	5.50	197.00	5,825.3	-2,844.3	-261.9	-81.6	274.3	197.30
5,933.0	5.00	194.70	5,919.9	-2,938.9	-270.3	-84.0	283.0	197.26
6,028.0	4.70	194.90	6,014.6	-3,033.6	-278.0	-86.0	291.0	197.19
6,124.0	4.40	193.50	6,110.3	-3,129.3	-285.4	-87.9	298.6	197.11
6,218.0	4.80	197.80	6,204.0	-3,223.0	-292.7	-89.9	306.2	197.08
6,313.0	4.80	203.50	6,298.6	-3,317.6	-300.1	-92.7	314.1	197.17
6,409.0	5.10	207.90	6,394.3	-3,413.3	-307.6	-96.3	322.3	197.39



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6,503.0	4.60	209.40	6,488.0	-3,507.0	-314.5	-100.1	330.1	197.66
6,598.0	4.50	202.90	6,582.7	-3,601.7	-321.3	-103.4	337.5	197.85
6,693.0	3.60	208.60	6,677.4	-3,696.4	-327.3	-106.3	344.2	197.99
6,789.0	3.30	195.20	6,773.2	-3,792.2	-332.7	-108.5	349.9	198.06
6,884.0	3.50	207.30	6,868.1	-3,887.1	-337.9	-110.5	355.5	198.12
6,979.0	4.30	195.50	6,962.9	-3,981.9	-343.9	-112.8	361.9	198.16
7,074.0	4.50	201.60	7,057.6	-4,076.6	-350.8	-115.1	369.2	198.17
7,169.0	5.60	202.90	7,152.2	-4,171.2	-358.5	-118.3	377.5	198.26
7,265.0	6.30	198.50	7,247.7	-4,266.7	-367.8	-121.8	387.5	198.32
7,360.0	5.60	197.40	7,342.2	-4,361.2	-377.2	-124.8	397.3	198.31
7,454.0	4.90	199.40	7,435.8	-4,454.8	-385.3	-127.6	405.9	198.31
7,549.0	4.80	216.50	7,530.4	-4,549.4	-392.4	-131.3	413.7	198.50
7,644.0	4.70	214.70	7,625.1	-4,644.1	-398.8	-135.8	421.3	198.81
7,738.0	5.10	206.60	7,718.8	-4,737.8	-405.7	-139.9	429.1	199.03
7,834.0	5.70	207.90	7,814.4	-4,833.4	-413.7	-144.1	438.1	199.20
7,928.0	5.00	205.20	7,907.9	-4,926.9	-421.5	-148.0	446.7	199.34
8,024.0	5.80	202.50	8,003.5	-5,022.5	-429.8	-151.6	455.8	199.43
8,119.0	6.30	189.80	8,098.0	-5,117.0	-439.4	-154.3	465.7	199.36
8,215.0	5.90	192.70	8,193.4	-5,212.4	-449.4	-156.3	475.8	199.18
8,310.0	5.00	192.40	8,288.0	-5,307.0	-458.2	-158.3	484.7	199.06
8,405.0	3.60	195.70	8,382.7	-5,401.7	-465.1	-160.0	491.8	198.98
8,499.0	2.80	197.00	8,476.6	-5,495.6	-470.1	-161.5	497.1	198.95
8,593.0	3.60	189.50	8,570.5	-5,589.5	-475.2	-162.6	502.3	198.89
8,689.0	3.20	189.90	8,666.3	-5,685.3	-480.8	-163.6	507.9	198.79
8,784.0	1.90	192.10	8,761.2	-5,780.2	-485.0	-164.4	512.1	198.72
8,879.0	1.40	222.70	8,856.1	-5,875.1	-487.4	-165.5	514.7	198.75
8,973.0	1.30	238.30	8,950.1	-5,969.1	-488.8	-167.2	516.6	198.88



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9,034.0	1.21	226.85	9,011.1	-6,030.1	-489.6	-168.2	517.7	198.96
B.B. Oxbow 26 25 W0DA Fed Com #2H								
9,051.0	1.20	223.40	9,028.1	-6,047.1	-489.9	-168.5	518.0	198.98
9,123.0	2.70	120.80	9,100.1	-6,119.1	-491.3	-167.5	519.1	198.83
9,155.0	7.40	109.00	9,131.9	-6,150.9	-492.3	-164.9	519.2	198.52
9,187.0	11.60	107.90	9,163.5	-6,182.5	-494.0	-159.9	519.2	197.94
9,219.0	15.60	106.40	9,194.6	-6,213.6	-496.2	-152.7	519.2	197.11
9,250.0	19.20	110.30	9,224.2	-6,243.2	-499.1	-143.9	519.5	196.09
9,282.0	23.40	109.40	9,254.0	-6,273.0	-503.1	-133.0	520.4	194.81
9,313.0	27.90	107.10	9,281.9	-6,300.9	-507.3	-120.3	521.3	193.34
9,345.0	31.30	104.70	9,309.7	-6,328.7	-511.6	-105.1	522.2	191.61
9,376.0	33.30	103.40	9,335.9	-6,354.9	-515.6	-89.0	523.2	189.79
9,408.0	36.40	100.10	9,362.2	-6,381.2	-519.3	-71.1	524.1	187.80
9,440.0	40.60	95.90	9,387.2	-6,406.2	-522.0	-51.4	524.5	185.62
9,471.0	45.40	93.20	9,409.9	-6,428.9	-523.7	-30.3	524.6	183.31
9,504.0	49.20	89.90	9,432.3	-6,451.3	-524.3	-6.1	524.4	180.66
9,535.0	52.80	88.90	9,451.8	-6,470.8	-524.1	18.0	524.4	178.03
9,567.0	55.50	88.90	9,470.5	-6,489.5	-523.6	43.9	525.4	175.20
9,598.0	58.60	88.50	9,487.4	-6,506.4	-523.0	69.9	527.6	172.38
9,630.0	61.40	88.90	9,503.4	-6,522.4	-522.3	97.6	531.4	169.41
9,661.0	62.50	88.80	9,518.0	-6,537.0	-521.8	125.0	536.6	166.53
9,693.0	65.80	88.30	9,531.9	-6,550.9	-521.1	153.8	543.3	163.56
9,725.0	68.80	87.90	9,544.3	-6,563.3	-520.1	183.3	551.4	160.59
9,757.0	70.20	87.70	9,555.5	-6,574.5	-518.9	213.2	561.0	157.66
9,788.0	72.40	87.20	9,565.4	-6,584.4	-517.6	242.6	571.6	154.89
9,820.0	76.20	86.70	9,574.1	-6,593.1	-516.0	273.3	583.9	152.09
9,851.0	79.60	86.40	9,580.6	-6,599.6	-514.2	303.6	597.1	149.44



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9,883.0	82.10	86.40	9,585.7	-6,604.7	-512.2	335.1	612.1	146.80
9,907.0	84.20	86.50	9,588.5	-6,607.5	-510.7	358.9	624.2	144.90
10,009.0	88.60	88.30	9,594.9	-6,613.9	-506.1	460.5	684.3	137.70
10,033.2	89.16	88.15	9,595.4	-6,614.4	-505.3	484.8	700.3	136.19
LP Oxbow 26 25 W0DA Fed Com 2H								
10,104.0	90.80	87.70	9,595.4	-6,614.4	-502.8	555.5	749.2	132.15
10,199.0	87.10	85.60	9,597.2	-6,616.2	-497.2	650.3	818.6	127.40
10,294.0	87.10	87.60	9,602.0	-6,621.0	-491.6	745.0	892.6	123.42
10,390.0	85.80	88.90	9,607.9	-6,626.9	-488.7	840.8	972.5	120.17
10,485.0	85.80	88.90	9,614.9	-6,633.9	-486.9	935.5	1,054.6	117.49
10,580.0	86.90	90.30	9,620.9	-6,639.9	-486.2	1,030.3	1,139.2	115.26
10,674.0	90.60	93.50	9,623.0	-6,642.0	-489.3	1,124.2	1,226.1	113.52
10,770.0	91.00	92.40	9,621.6	-6,640.6	-494.2	1,220.0	1,316.4	112.05
10,865.0	90.60	92.30	9,620.3	-6,639.3	-498.1	1,315.0	1,406.1	110.75
10,960.0	90.80	91.10	9,619.1	-6,638.1	-501.0	1,409.9	1,496.3	109.56
11,055.0	89.70	90.60	9,618.7	-6,637.7	-502.4	1,504.9	1,586.5	108.46
11,150.0	90.50	91.60	9,618.6	-6,637.6	-504.2	1,599.9	1,677.4	107.49
11,245.0	91.30	90.40	9,617.1	-6,636.1	-505.9	1,694.8	1,768.7	106.62
11,340.0	90.90	89.30	9,615.2	-6,634.2	-505.6	1,789.8	1,859.9	105.77
11,435.0	91.40	89.10	9,613.3	-6,632.3	-504.3	1,884.8	1,951.1	104.98
11,530.0	88.00	88.00	9,613.8	-6,632.8	-501.9	1,979.7	2,042.4	104.23
11,626.0	87.80	87.70	9,617.4	-6,636.4	-498.3	2,075.6	2,134.6	103.50
11,721.0	88.20	88.60	9,620.7	-6,639.7	-495.2	2,170.5	2,226.3	102.85
11,816.0	90.90	90.30	9,621.4	-6,640.4	-494.3	2,265.5	2,318.8	102.31
11,910.0	90.50	90.30	9,620.3	-6,639.3	-494.8	2,359.5	2,410.8	101.84
12,006.0	87.50	89.20	9,621.9	-6,640.9	-494.4	2,455.4	2,504.7	101.38
12,101.0	88.90	90.20	9,624.9	-6,643.9	-493.9	2,550.4	2,597.8	100.96



Microsoft MWD Surveys



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Wellbore: Original Hole
Design: Original Hole

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MD Reference: 2954 + 27 @ 2981.0usft (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 (°)
12,196.0	90.50	91.00	9,625.4	-6,644.4	-494.9	2,645.4	2,691.3	100.60
12,291.0	90.00	90.70	9,625.0	-6,644.0	-496.3	2,740.4	2,784.9	100.26
12,386.0	88.50	89.60	9,626.3	-6,645.3	-496.5	2,835.4	2,878.5	99.93
12,481.0	89.20	90.30	9,628.2	-6,647.2	-496.4	2,930.3	2,972.1	99.62
12,576.0	89.80	91.10	9,629.0	-6,648.0	-497.6	3,025.3	3,066.0	99.34
12,671.0	90.20	91.30	9,629.0	-6,648.0	-499.6	3,120.3	3,160.1	99.10
12,767.0	88.80	89.50	9,629.8	-6,648.8	-500.3	3,216.3	3,255.0	98.84
12,862.0	87.70	88.90	9,632.7	-6,651.7	-498.9	3,311.2	3,348.6	98.57
12,957.0	87.90	89.30	9,636.4	-6,655.4	-497.4	3,406.2	3,442.3	98.31
13,052.0	89.80	90.30	9,638.3	-6,657.3	-497.1	3,501.1	3,536.2	98.08
13,147.0	90.20	90.10	9,638.3	-6,657.3	-497.4	3,596.1	3,630.4	97.88
13,241.0	89.30	88.10	9,638.7	-6,657.7	-496.0	3,690.1	3,723.3	97.66
13,336.0	89.80	88.60	9,639.4	-6,658.4	-493.2	3,785.1	3,817.1	97.42
13,431.0	86.30	87.50	9,642.7	-6,661.7	-490.0	3,879.9	3,910.8	97.20
13,527.0	87.00	88.10	9,648.3	-6,667.3	-486.3	3,975.7	4,005.3	96.97
13,622.0	85.10	87.50	9,654.8	-6,673.8	-482.7	4,070.4	4,098.9	96.76
13,717.0	84.20	87.70	9,663.7	-6,682.7	-478.7	4,164.9	4,192.3	96.56
13,812.0	85.10	87.00	9,672.5	-6,691.5	-474.4	4,259.4	4,285.7	96.35
13,907.0	90.60	89.10	9,676.1	-6,695.1	-471.1	4,354.2	4,379.8	96.18
14,003.0	87.80	88.70	9,677.4	-6,696.4	-469.3	4,450.2	4,474.9	96.02
14,098.0	89.50	89.40	9,679.7	-6,698.7	-467.7	4,545.2	4,569.2	95.88
14,193.0	91.20	91.80	9,679.1	-6,698.1	-468.7	4,640.1	4,663.7	95.77
14,289.0	86.70	90.30	9,680.9	-6,699.9	-470.5	4,736.1	4,759.4	95.67
14,383.0	92.80	92.50	9,681.3	-6,700.3	-472.8	4,830.0	4,853.1	95.59
14,478.0	94.20	91.90	9,675.5	-6,694.5	-476.4	4,924.7	4,947.7	95.53
14,573.0	93.10	91.50	9,669.4	-6,688.4	-479.2	5,019.5	5,042.3	95.45
14,668.0	93.10	91.60	9,664.3	-6,683.3	-481.8	5,114.3	5,137.0	95.38



Microsoft
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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 (°)
14,763.0	91.30	89.60	9,660.6	-6,679.6	-482.8	5,209.3	5,231.6	95.29
14,858.0	85.60	89.60	9,663.2	-6,682.2	-482.1	5,304.2	5,326.0	95.19
14,954.0	83.30	90.10	9,672.5	-6,691.5	-481.9	5,399.7	5,421.2	95.10
15,049.0	85.50	87.60	9,681.8	-6,700.8	-480.0	5,494.2	5,515.2	94.99
15,144.0	88.50	87.40	9,686.7	-6,705.7	-475.8	5,589.0	5,609.2	94.87
15,240.0	85.80	86.40	9,691.5	-6,710.5	-470.6	5,684.7	5,704.2	94.73
15,335.0	87.10	87.30	9,697.4	-6,716.4	-465.4	5,779.4	5,798.1	94.60
15,431.0	90.40	90.00	9,699.5	-6,718.5	-463.2	5,875.3	5,893.6	94.51
15,526.0	90.30	92.20	9,698.9	-6,717.9	-465.0	5,970.3	5,988.4	94.45
15,621.0	89.10	90.00	9,699.4	-6,718.4	-466.8	6,065.3	6,083.2	94.40
15,716.0	89.80	90.40	9,700.3	-6,719.3	-467.1	6,160.3	6,178.0	94.34
15,812.0	88.00	90.30	9,702.2	-6,721.2	-467.7	6,256.3	6,273.7	94.28
15,908.0	93.10	91.80	9,701.2	-6,720.2	-469.5	6,352.2	6,369.5	94.23
16,003.0	92.00	91.20	9,697.0	-6,716.0	-472.0	6,447.1	6,464.3	94.19
16,099.0	91.20	90.40	9,694.3	-6,713.3	-473.3	6,543.0	6,560.1	94.14
16,194.0	89.70	89.70	9,693.6	-6,712.6	-473.4	6,638.0	6,654.9	94.08
16,289.0	87.60	88.60	9,695.8	-6,714.8	-472.0	6,733.0	6,749.5	94.01
16,384.0	88.10	88.80	9,699.4	-6,718.4	-469.8	6,827.9	6,844.0	93.94
16,479.0	88.20	89.10	9,702.4	-6,721.4	-468.1	6,922.8	6,938.6	93.87
16,574.0	88.00	88.90	9,705.6	-6,724.6	-466.4	7,017.7	7,033.2	93.80
16,671.0	87.20	88.90	9,709.7	-6,728.7	-464.6	7,114.6	7,129.8	93.74
16,766.0	87.30	89.60	9,714.2	-6,733.2	-463.3	7,209.5	7,224.4	93.68
16,861.0	87.10	88.30	9,718.9	-6,737.9	-461.6	7,304.4	7,319.0	93.62
16,956.0	89.90	90.50	9,721.3	-6,740.3	-460.6	7,399.3	7,413.7	93.56
17,051.0	87.00	88.70	9,723.9	-6,742.9	-459.9	7,494.3	7,508.4	93.51
17,146.0	89.50	89.70	9,726.8	-6,745.8	-458.6	7,589.2	7,603.1	93.46
17,241.0	89.60	89.90	9,727.6	-6,746.6	-458.3	7,684.2	7,697.9	93.41



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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 (°)
17,336.0	89.70	89.60	9,728.1	-6,747.1	-457.9	7,779.2	7,792.7	93.37
17,431.0	88.10	88.90	9,730.0	-6,749.0	-456.6	7,874.2	7,887.4	93.32
17,526.0	92.40	89.80	9,729.5	-6,748.5	-455.6	7,969.2	7,982.2	93.27
17,621.0	89.90	88.50	9,727.6	-6,746.6	-454.1	8,064.1	8,076.9	93.22
17,716.0	85.70	88.10	9,731.3	-6,750.3	-451.3	8,159.0	8,171.5	93.17
17,813.0	87.20	87.60	9,737.3	-6,756.3	-447.7	8,255.7	8,267.9	93.10
17,907.0	86.60	88.90	9,742.4	-6,761.4	-444.8	8,349.5	8,361.4	93.05
18,002.0	89.50	90.20	9,745.6	-6,764.6	-444.1	8,444.5	8,456.1	93.01
18,097.0	89.30	89.80	9,746.6	-6,765.6	-444.1	8,539.5	8,551.0	92.98
18,192.0	88.70	88.90	9,748.3	-6,767.3	-443.0	8,634.4	8,645.8	92.94
18,287.0	90.60	89.40	9,748.8	-6,767.8	-441.6	8,729.4	8,740.6	92.90
18,382.0	89.00	89.00	9,749.2	-6,768.2	-440.3	8,824.4	8,835.4	92.86
18,478.0	91.00	90.50	9,749.2	-6,768.2	-439.9	8,920.4	8,931.2	92.82
18,573.0	89.30	89.90	9,748.9	-6,767.9	-440.2	9,015.4	9,026.1	92.80
18,668.0	89.10	89.90	9,750.3	-6,769.3	-440.0	9,110.4	9,121.0	92.77
18,763.0	91.30	91.30	9,749.9	-6,768.9	-441.0	9,205.4	9,215.9	92.74
18,857.0	90.60	90.70	9,748.4	-6,767.4	-442.7	9,299.4	9,309.9	92.73
18,952.0	88.90	89.10	9,748.8	-6,767.8	-442.5	9,394.3	9,404.8	92.70
19,047.0	89.10	88.90	9,750.4	-6,769.4	-440.8	9,489.3	9,499.6	92.66
19,142.0	89.90	89.40	9,751.3	-6,770.3	-439.4	9,584.3	9,594.4	92.63
19,237.0	89.50	89.00	9,751.8	-6,770.8	-438.1	9,679.3	9,689.2	92.59
19,332.0	88.40	88.90	9,753.5	-6,772.5	-436.4	9,774.3	9,784.0	92.56
19,428.0	88.80	89.40	9,755.8	-6,774.8	-434.9	9,870.2	9,879.8	92.52
19,437.0	87.80	89.40	9,756.1	-6,775.1	-434.8	9,879.2	9,888.8	92.52
19,495.0	87.80	89.40	9,758.3	-6,777.3	-434.2	9,937.2	9,946.6	92.50

19495' MD Projected to Bit - PBHL: Oxbow 26 25 W0DA Fed Com #2H



Microsoft
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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)	
422.0	421.9	6.3	3.3	422.0' MD Phoenix Gyro Survey
19,495.0	9,758.3	-434.2	9,937.2	19495' MD Projected to Bit