



HOBBS OCD

NOV 06 2018

RECEIVED

Airstrip 31-18S-35E RN State Com #111H
Lea County, NM

October 12, 2018

Job No. LNM5183418

ORIGINAL

Survey Completion Report



PRODIRECTIONAL

Survey Certification Letter

October 12, 2018



Operator Name: Matador Resources
Well Name: Airstrip 31-18S-35E RN State Com No. 111H
County/Parish: Lea County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5183418

This is to certify the surveys performed on the referenced well by Professional Directional Ent., Inc. are true and correct MWD Surveys, data provided as follows:

<u>Surveyor</u>	<u>Surveyed Depths</u>	<u>Projection to Bit</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
ProDirectional	174' MD – 14,224' MD	14,370' MD	08/14/18 – 09/15/18	MWD-OWSG

Sincerely,

Mike Coats
Regulatory Specialist
Professional Directional

850 Conroe Park West Drive | Conroe, TX 77303 | Phone: 936.441.7266

prodirectional.com



Matador Resources

Lea County, NM

Airstrip 31-18S-35E RN State Com

No. 111H

OH

Survey: ProDirectional

Survey Report

12 October, 2018





ProDirectional Survey Report



Company: Matador Resources
Project: Lea County, NM (NAD83)
Site: Airstrip 31-18S-35E RN State Com
Well: No. 111H
Wellbore: OH
Design: MWD

Local Co-ordinate Reference: Well No. 111H
TVD Reference: Well @ 3976.50usft
MD Reference: Well @ 3976.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Project Lea County, NM (NAD83)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Airstrip 31-18S-35E RN State Com

Site Position:		Northing:	618,487.00 usft	Latitude:	32.697466
From:	Map	Easting:	799,025.00 usft	Longitude:	-103.495661
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.45 °

Well No. 111H

Well Position	+N/-S	0.00 usft	Northing:	618,499.00 usft	Latitude:	32.697556
	+E/-W	0.00 usft	Easting:	796,383.00 usft	Longitude:	-103.504248
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,948.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/9/2018	6.57	60.67	48,160.50

Design MWD

Audit Notes:

Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.45	

Survey Program Date 10/12/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
174.00	14,370.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM



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Survey											
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0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	618,499.00	796,383.00	
174.00	0.13	169.24	174.00	-0.19	-0.19	0.04	0.20	169.24	618,498.81	796,383.04	
Pro MWD First Survey: 174' MD											
257.00	0.13	139.89	257.00	-0.36	-0.36	0.12	0.38	162.20	618,498.64	796,383.12	
321.00	0.40	183.92	321.00	-0.64	-0.64	0.15	0.65	167.04	618,498.36	796,383.15	
505.00	0.62	154.57	504.99	-2.18	-2.18	0.53	2.24	166.31	618,496.82	796,383.53	
689.00	0.62	173.46	688.98	-4.07	-4.06	1.07	4.20	165.24	618,494.94	796,384.07	
873.00	1.10	167.58	872.96	-6.79	-6.78	1.56	6.96	167.01	618,492.22	796,384.56	
1,059.00	0.97	287.02	1,058.94	-8.07	-8.06	0.44	8.07	176.86	618,490.94	796,383.44	
1,246.00	1.10	291.15	1,245.91	-6.92	-6.95	-2.74	7.47	201.55	618,492.05	796,380.26	
1,433.00	1.36	272.25	1,432.87	-6.15	-6.22	-6.64	9.09	226.87	618,492.78	796,376.36	
1,620.00	0.62	278.93	1,619.84	-5.88	-5.97	-9.85	11.52	238.78	618,493.03	796,373.15	
1,807.00	0.53	200.18	1,806.84	-6.52	-6.63	-11.15	12.97	239.28	618,492.37	796,371.85	
1,881.00	0.35	236.66	1,880.83	-6.96	-7.07	-11.46	13.46	238.32	618,491.93	796,371.54	
1,998.00	0.40	125.50	1,997.83	-7.40	-7.51	-11.42	13.67	236.70	618,491.49	796,371.58	
2,091.00	0.40	134.40	2,090.83	-7.82	-7.92	-10.93	13.50	234.06	618,491.08	796,372.07	
2,184.00	2.70	156.30	2,183.79	-10.06	-10.15	-9.82	14.12	224.03	618,488.85	796,373.18	
2,278.00	4.00	161.20	2,277.63	-15.21	-15.29	-7.87	17.19	207.24	618,483.71	796,375.13	
2,372.00	4.00	163.70	2,371.40	-21.48	-21.54	-5.89	22.33	195.30	618,477.46	796,377.11	
2,465.00	3.80	160.90	2,464.18	-27.52	-27.56	-3.97	27.85	188.20	618,471.44	796,379.03	
2,558.00	4.00	163.10	2,556.97	-33.56	-33.58	-2.02	33.64	183.45	618,465.42	796,380.98	
2,651.00	4.10	162.00	2,649.74	-39.84	-39.84	-0.05	39.84	180.07	618,459.16	796,382.95	
2,745.00	3.90	157.60	2,743.51	-46.01	-45.99	2.21	46.05	177.26	618,453.01	796,385.21	
2,838.00	4.00	148.90	2,836.29	-51.74	-51.70	5.09	51.94	174.38	618,447.30	796,388.09	
2,931.00	4.30	142.00	2,929.04	-57.30	-57.22	8.91	57.91	171.15	618,441.78	796,391.91	
3,025.00	4.20	155.00	3,022.79	-63.23	-63.12	12.53	64.35	168.77	618,435.88	796,395.53	
3,118.00	4.30	165.70	3,115.53	-69.72	-69.58	14.83	71.15	167.97	618,429.42	796,397.83	



ProDirectional Survey Report



Company: Matador Resources
Project: Lea County, NM (NAD83)
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Well: No. 111H
Wellbore: OH
Design: MWD

Local Co-ordinate Reference: Well No. 111H
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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
3,211.00		4.20	159.10	3,208.28	-76.30	-76.14	16.91	78.00	167.48	618,422.86	796,399.91
3,305.00		4.00	164.10	3,302.04	-82.69	-82.51	19.03	84.68	167.01	618,416.49	796,402.03
3,398.00		3.80	165.90	3,394.82	-88.81	-88.62	20.67	91.00	166.87	618,410.38	796,403.67
3,491.00		3.60	160.60	3,487.63	-94.57	-94.36	22.39	96.98	166.65	618,404.64	796,405.39
3,585.00		3.60	165.70	3,581.44	-100.23	-100.01	24.10	102.87	166.45	618,398.99	796,407.10
3,678.00		3.90	170.90	3,674.24	-106.20	-105.96	25.33	108.94	166.56	618,393.04	796,408.33
3,772.00		3.90	167.10	3,768.03	-112.48	-112.23	26.54	115.33	166.69	618,386.77	796,409.54
3,865.00		3.60	161.20	3,860.83	-118.34	-118.08	28.19	121.40	166.57	618,380.92	796,411.19
3,956.00		3.50	165.50	3,951.65	-123.75	-123.47	29.81	127.02	166.43	618,375.53	796,412.81
4,056.00		3.10	160.40	4,051.49	-129.27	-128.97	31.48	132.76	166.28	618,370.03	796,414.48
4,149.00		2.70	156.90	4,144.37	-133.67	-133.36	33.18	137.42	166.03	618,365.64	796,416.18
4,243.00		2.60	157.80	4,238.27	-137.70	-137.37	34.86	141.72	165.76	618,361.63	796,417.86
4,336.00		2.40	153.30	4,331.18	-141.40	-141.06	36.53	145.71	165.48	618,357.94	796,419.53
4,430.00		2.20	151.10	4,425.10	-144.76	-144.40	38.28	149.39	165.15	618,354.60	796,421.28
4,524.00		2.00	146.90	4,519.04	-147.73	-147.35	40.05	152.70	164.79	618,351.65	796,423.05
4,617.00		2.00	146.00	4,611.98	-150.45	-150.06	41.85	155.78	164.42	618,348.94	796,424.85
4,711.00		2.00	139.00	4,705.93	-153.07	-152.65	43.84	158.82	163.98	618,346.35	796,426.84
4,804.00		2.10	140.90	4,798.87	-155.64	-155.20	45.98	161.87	163.50	618,343.80	796,428.98
4,898.00		0.30	181.80	4,892.84	-157.23	-156.78	47.06	163.69	163.29	618,342.22	796,430.06
4,991.00		0.20	265.40	4,985.84	-157.48	-157.04	46.89	163.89	163.38	618,341.96	796,429.89
5,085.00		0.20	134.40	5,079.84	-157.61	-157.17	46.84	164.00	163.40	618,341.83	796,429.84
5,178.00		0.40	126.90	5,172.84	-157.92	-157.48	47.22	164.40	163.31	618,341.52	796,430.22
5,272.00		0.60	136.70	5,266.84	-158.48	-158.03	47.82	165.11	163.17	618,340.97	796,430.82
5,365.00		0.90	133.50	5,359.83	-159.35	-158.89	48.68	166.18	162.97	618,340.11	796,431.68
5,458.00		1.00	122.10	5,452.82	-160.30	-159.82	49.90	167.43	162.66	618,339.18	796,432.90
5,552.00		1.10	127.70	5,546.80	-161.30	-160.81	51.31	168.80	162.30	618,338.19	796,434.31
5,646.00		1.20	126.30	5,640.78	-162.45	-161.95	52.81	170.34	161.94	618,337.05	796,435.81



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5,739.00	1.30	121.70	5,733.76	-163.59	-163.08	54.50	171.94	161.52	618,335.92	796,437.50	
5,833.00	1.40	122.90	5,827.73	-164.79	-164.26	56.37	173.66	161.06	618,334.74	796,439.37	
5,926.00	1.60	122.80	5,920.70	-166.13	-165.58	58.41	175.58	160.57	618,333.42	796,441.41	
6,019.00	0.80	199.60	6,013.69	-167.46	-166.90	59.29	177.11	160.44	618,332.10	796,442.29	
6,112.00	1.00	218.50	6,106.67	-168.70	-168.14	58.56	178.05	160.80	618,330.86	796,441.56	
6,205.00	1.00	216.10	6,199.66	-169.98	-169.43	57.58	178.95	161.23	618,329.57	796,440.58	
6,299.00	0.90	227.60	6,293.65	-171.13	-170.59	56.55	179.72	161.66	618,328.41	796,439.55	
6,392.00	1.00	222.00	6,386.63	-172.21	-171.69	55.47	180.43	162.10	618,327.31	796,438.47	
6,485.00	0.90	226.60	6,479.62	-173.31	-172.79	54.40	181.15	162.53	618,326.21	796,437.40	
6,579.00	0.60	227.40	6,573.61	-174.14	-173.64	53.50	181.69	162.88	618,325.36	796,436.50	
6,672.00	0.40	203.80	6,666.61	-174.76	-174.26	53.01	182.15	163.08	618,324.74	796,436.01	
6,765.00	0.20	187.30	6,759.61	-175.22	-174.72	52.86	182.54	163.17	618,324.28	796,435.86	
6,859.00	0.30	232.30	6,853.61	-175.53	-175.03	52.64	182.78	163.26	618,323.97	796,435.64	
6,953.00	0.40	273.30	6,947.61	-175.66	-175.16	52.12	182.75	163.43	618,323.84	796,435.12	
7,046.00	0.80	305.00	7,040.60	-175.26	-174.77	51.26	182.14	163.65	618,324.23	796,434.26	
7,139.00	1.20	314.60	7,133.59	-174.19	-173.72	50.04	180.78	163.93	618,325.28	796,433.04	
7,233.00	1.50	327.60	7,227.56	-172.45	-171.99	48.68	178.74	164.20	618,327.01	796,431.68	
7,326.00	1.90	335.00	7,320.52	-170.01	-169.56	47.37	176.06	164.39	618,329.44	796,430.37	
7,419.00	2.30	340.40	7,413.46	-166.84	-166.41	46.10	172.67	164.52	618,332.59	796,429.10	
7,513.00	1.10	2.40	7,507.42	-164.16	-163.73	45.50	169.93	164.47	618,335.27	796,428.50	
7,606.00	0.90	30.10	7,600.40	-162.64	-162.20	45.90	168.58	164.20	618,336.80	796,428.90	
7,700.00	1.10	33.10	7,694.39	-161.25	-160.81	46.77	167.47	163.78	618,338.19	796,429.77	
7,793.00	1.20	36.70	7,787.37	-159.73	-159.28	47.84	166.31	163.28	618,339.72	796,430.84	
7,887.00	1.30	32.40	7,881.35	-158.06	-157.59	49.00	165.03	162.73	618,341.41	796,432.00	
7,980.00	1.40	28.00	7,974.32	-156.17	-155.70	50.09	163.56	162.16	618,343.30	796,433.09	
8,073.00	0.80	135.80	8,067.31	-155.64	-155.16	51.08	163.35	161.78	618,343.84	796,434.08	
8,167.00	1.30	151.70	8,161.29	-157.06	-156.57	52.04	164.99	161.61	618,342.43	796,435.04	



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8,260.00	0.90	128.40	8,254.28	-158.46	-157.95	53.12	166.64	161.41	618,341.05	796,436.12
8,354.00	0.80	117.80	8,348.27	-159.23	-158.72	54.28	167.74	161.12	618,340.28	796,437.28
8,447.00	1.10	70.20	8,441.25	-159.24	-158.72	55.69	168.20	160.67	618,340.28	796,438.69
8,541.00	1.20	63.70	8,535.24	-158.52	-157.98	57.42	168.09	160.02	618,341.02	796,440.42
8,634.00	1.10	69.80	8,628.22	-157.80	-157.24	59.13	167.99	159.39	618,341.76	796,442.13
8,727.00	1.20	69.70	8,721.20	-157.17	-156.59	60.88	168.01	158.75	618,342.41	796,443.88
8,821.00	1.40	85.80	8,815.17	-156.76	-156.16	62.95	168.38	158.05	618,342.84	796,445.95
8,870.00	1.50	81.00	8,864.16	-156.63	-156.02	64.18	168.71	157.64	618,342.98	796,447.18
8,963.00	7.50	5.00	8,956.87	-150.40	-149.78	65.92	163.64	156.25	618,349.22	796,448.92
9,057.00	21.00	352.50	9,047.78	-127.46	-126.85	64.24	142.19	153.14	618,372.15	796,447.24
9,150.00	29.90	356.50	9,131.68	-87.69	-87.11	60.65	106.14	145.16	618,411.89	796,443.65
9,244.00	37.30	0.30	9,209.93	-35.74	-35.17	59.36	69.00	120.64	618,463.83	796,442.36
9,338.00	44.80	1.90	9,280.77	25.92	26.50	60.61	66.15	66.38	618,525.50	796,443.61
9,431.00	51.30	0.50	9,342.91	95.01	95.61	62.02	113.96	32.97	618,594.61	796,445.02
9,525.00	59.20	358.90	9,396.45	172.18	172.78	61.56	183.42	19.61	618,671.78	796,444.56
9,584.00	64.80	359.40	9,424.14	224.26	224.85	60.79	232.92	15.13	618,723.85	796,443.79
9,647.00	70.10	358.50	9,448.29	282.41	283.00	59.72	289.23	11.92	618,782.00	796,442.72
9,740.00	83.20	356.20	9,469.72	372.64	373.19	55.50	377.29	8.46	618,872.19	796,438.50
9,792.00	89.80	356.00	9,472.89	424.42	424.94	51.97	428.11	6.97	618,923.94	796,434.97
9,834.00	90.80	356.50	9,472.67	466.35	466.85	49.22	469.44	6.02	618,965.85	796,432.22
9,927.00	91.30	357.20	9,470.96	559.24	559.69	44.11	561.43	4.51	619,058.69	796,427.11
10,020.00	92.00	358.00	9,468.29	652.15	652.57	40.22	653.81	3.53	619,151.57	796,423.22
10,114.00	90.40	359.40	9,466.32	746.12	746.52	38.09	747.49	2.92	619,245.52	796,421.09
10,207.00	90.70	359.90	9,465.43	839.11	839.51	37.52	840.35	2.56	619,338.51	796,420.52
10,301.00	91.60	359.80	9,463.54	933.09	933.49	37.27	934.24	2.29	619,432.49	796,420.27
10,395.00	92.40	359.70	9,460.26	1,027.03	1,027.43	36.86	1,028.10	2.05	619,526.43	796,419.86
10,488.00	93.20	0.10	9,455.72	1,119.92	1,120.32	36.70	1,120.92	1.88	619,619.32	796,419.70



ProDirectional Survey Report



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MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
10,582.00	93.90	0.10	9,449.90	1,213.73	1,214.14	36.86	1,214.70	1.74	619,713.14	796,419.86
10,675.00	94.80	0.50	9,442.84	1,306.45	1,306.87	37.35	1,307.40	1.64	619,805.87	796,420.35
10,768.00	92.40	0.40	9,437.00	1,399.25	1,399.68	38.08	1,400.20	1.56	619,898.68	796,421.08
10,861.00	93.50	0.70	9,432.22	1,492.11	1,492.55	38.97	1,493.06	1.50	619,991.55	796,421.97
10,954.00	91.30	0.50	9,428.32	1,585.00	1,585.46	39.94	1,585.96	1.44	620,084.46	796,422.94
11,048.00	92.00	0.40	9,425.62	1,678.95	1,679.41	40.68	1,679.91	1.39	620,178.41	796,423.68
11,141.00	90.20	0.70	9,423.83	1,771.91	1,772.39	41.57	1,772.88	1.34	620,271.39	796,424.57
11,234.00	90.90	0.80	9,422.94	1,864.88	1,865.38	42.79	1,865.87	1.31	620,364.38	796,425.79
11,328.00	91.70	0.90	9,420.80	1,958.83	1,959.34	44.18	1,959.84	1.29	620,458.34	796,427.18
11,421.00	92.70	1.50	9,417.23	2,051.71	2,052.25	46.13	2,052.77	1.29	620,551.25	796,429.13
11,514.00	93.60	1.90	9,412.12	2,144.50	2,145.07	48.88	2,145.62	1.31	620,644.07	796,431.88
11,608.00	91.50	359.60	9,407.94	2,238.37	2,238.95	50.11	2,239.52	1.28	620,737.95	796,433.11
11,702.00	92.00	359.40	9,405.07	2,332.33	2,332.91	49.29	2,333.43	1.21	620,831.91	796,432.29
11,795.00	92.70	359.80	9,401.26	2,425.25	2,425.83	48.64	2,426.31	1.15	620,924.83	796,431.64
11,888.00	93.70	0.10	9,396.07	2,518.10	2,518.68	48.56	2,519.15	1.10	621,017.68	796,431.56
11,982.00	91.90	358.80	9,391.47	2,611.98	2,612.56	47.66	2,612.99	1.05	621,111.56	796,430.66
12,075.00	92.30	358.60	9,388.07	2,704.91	2,705.47	45.55	2,705.85	0.96	621,204.47	796,428.55
12,168.00	93.10	359.10	9,383.69	2,797.80	2,798.35	43.69	2,798.69	0.89	621,297.35	796,426.69
12,261.00	93.90	359.70	9,378.01	2,890.62	2,891.17	42.72	2,891.48	0.85	621,390.17	796,425.72
12,355.00	91.70	359.00	9,373.42	2,984.51	2,985.04	41.65	2,985.33	0.80	621,484.04	796,424.65
12,448.00	92.90	359.30	9,369.68	3,077.43	3,077.96	40.27	3,078.22	0.75	621,576.96	796,423.27
12,542.00	93.90	359.50	9,364.11	3,171.26	3,171.78	39.29	3,172.03	0.71	621,670.78	796,422.29
12,635.00	90.70	359.30	9,360.38	3,264.17	3,264.69	38.32	3,264.92	0.67	621,763.69	796,421.32
12,729.00	91.00	358.90	9,358.98	3,358.16	3,358.67	36.84	3,358.87	0.63	621,857.67	796,419.84
12,822.00	92.00	358.70	9,356.55	3,451.12	3,451.62	34.89	3,451.79	0.58	621,950.62	796,417.89
12,916.00	93.20	358.80	9,352.29	3,545.02	3,545.50	32.84	3,545.65	0.53	622,044.50	796,415.84
13,009.00	94.30	358.90	9,346.20	3,637.81	3,638.28	30.98	3,638.41	0.49	622,137.28	796,413.98



ProDirectional Survey Report



Company: Matador Resources
Project: Lea County, NM (NAD83)
Site: Airstrip 31-18S-35E RN State Com
Well: No. 111H
Wellbore: OH
Design: MWD

Local Co-ordinate Reference: Well No. 111H
TVD Reference: Well @ 3976.50usft
MD Reference: Well @ 3976.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
13,103.00	92.00	358.50	9,341.04	3,731.65	3,732.10	28.85	3,732.21	0.44	622,231.10	796,411.85
13,196.00	92.30	358.20	9,337.55	3,824.57	3,825.00	26.18	3,825.09	0.39	622,324.00	796,409.18
13,289.00	93.10	358.10	9,333.17	3,917.44	3,917.85	23.18	3,917.92	0.34	622,416.85	796,406.18
13,383.00	94.20	358.10	9,327.18	4,011.23	4,011.60	20.07	4,011.65	0.29	622,510.60	796,403.07
13,476.00	92.70	357.80	9,321.59	4,104.02	4,104.37	16.75	4,104.41	0.23	622,603.37	796,399.75
13,570.00	91.80	358.30	9,317.90	4,197.92	4,198.24	13.55	4,198.27	0.18	622,697.24	796,396.55
13,663.00	90.50	358.70	9,316.03	4,290.89	4,291.19	11.12	4,291.21	0.15	622,790.19	796,394.12
13,757.00	91.20	358.60	9,314.64	4,384.87	4,385.15	8.90	4,385.16	0.12	622,884.15	796,391.90
13,850.00	92.10	358.70	9,311.96	4,477.82	4,478.09	6.71	4,478.09	0.09	622,977.09	796,389.71
13,944.00	89.70	359.40	9,310.48	4,571.80	4,572.06	5.15	4,572.06	0.06	623,071.06	796,388.15
14,037.00	90.70	359.40	9,310.16	4,664.79	4,665.05	4.18	4,665.05	0.05	623,164.05	796,387.18
14,130.00	92.30	359.50	9,307.72	4,757.76	4,758.01	3.29	4,758.01	0.04	623,257.01	796,386.29
14,224.00	93.50	359.50	9,302.97	4,851.64	4,851.89	2.47	4,851.89	0.03	623,350.89	796,385.47
Last Survey: 14224' MD										
14,370.00	93.50	359.50	9,294.05	4,997.37	4,997.61	1.20	4,997.61	0.01	623,496.61	796,384.20
PTB: 14370' MD										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
174.00	174.00	-0.19	0.04	Pro MWD First Survey: 174' MD
14,224.00	9,302.97	4,851.89	2.47	Last Survey: 14224' MD
14,370.00	9,294.05	4,997.61	1.20	PTB: 14370' MD