

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to recomplete an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM073240

6. Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other Instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 30 123H

2. Name of Operator

MATADOR PRODUCTION COMPANY

Contact: TAMMY R LINK

Email: tlink@matadorresources.com

9. API Well No.
30-025-42467-00-S1

3a. Address

5400 LBJ FREEWAY SUITE 1500
DALLAS, TX 75240

3b. Phone No. (include area code)

Ph: 575-627-2465

10. Field and Pool or Exploratory Area
GEM-MORROW (GAS)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 30 T19S R33E NWNE 227FNL 2027FEL

11. County or Parish, State

LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <i>drilling</i>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BLM Bond No. NMB0001079

Surety Bond No. RLB0015172

See Attached Directional Survey.

HOBBS OCD

SEP 13 2018

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #395756 verified by the BLM Well Information System

For MATADOR PRODUCTION COMPANY, sent to the Hobbs

Committed to AFMSS for processing by DEBORAH MCKINNEY on 08/29/2018 (18DLM0568SE)

Name (Printed/Typed) TAMMY R LINK

Title PRODUCTION ANALYST

Signature (Electronic Submission)

Date 11/21/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

SEP 07 2018

/s/ Jonathon Shepard

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

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Pro Directional Survey Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well 123H
Project:	Lea County, NM	TVD Reference:	Rig @ 3628.50usft (GL:3600'+KB:28.5')
Site:	Federal 30	MD Reference:	Rig @ 3628.50usft (GL:3600'+KB:28.5')
Well:	123H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Project	Lea County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Federal 30		
Site Position:		Northing:	596,320.00 usft
From:	Map	Easting:	694,972.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.637789°N
		Longitude:	103.699963°W
		Grid Convergence:	0.34 °

Well	123H		
Well Position	+N-S	0.00 usft	Northing: 596,320.00 usft
	+E-W	0.00 usft	Easting: 694,972.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.637789°N
		Longitude:	103.699963°W
		Ground Level:	3,600.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	HDGM	6/19/2017	7.00
			(°)
			60.67
			48,435.50

Design	MWD		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			179.76

Survey Program	Date 8/2/2017		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
199.00	4,274.00	Survey #1 (OH)	MWD+HDGM
4,336.00	4,952.00	Survey #2 (OH)	MWD+HDGM
5,086.00	14,675.00	Survey #3 (OH)	MWD+HDGM
			Description
			OWSG MWD + HRGM
			OWSG MWD + HRGM
			OWSG MWD + HRGM

Survey									
Measured	Inclination	Azimuth	Vertical	+N-S	+E-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199.00	0.20	227.40	199.00	-0.24	-0.26	0.23	0.10	0.10	0.00
323.00	0.20	198.20	323.00	-0.59	-0.48	0.59	0.08	0.00	-23.55
416.00	0.30	214.30	416.00	-0.94	-0.67	0.94	0.13	0.11	17.31
508.00	0.30	193.50	508.00	-1.38	-0.86	1.37	0.12	0.00	-22.61
602.00	0.00	274.70	602.00	-1.61	-0.92	1.61	0.32	-0.32	0.00
691.00	0.10	298.10	691.00	-1.58	-0.99	1.57	0.11	0.11	0.00
875.00	0.00	258.40	875.00	-1.50	-1.13	1.50	0.05	-0.05	0.00
968.00	0.20	278.30	968.00	-1.48	-1.29	1.47	0.22	0.22	0.00

Pro Directional Survey Report

Company: Matador Resources
Project: Lea County, NM
Site: Federal 30
Well: 123H
Wellbore: OH
Design: MWD

Local Co-ordinate Reference: Well 123H
TVD Reference: Rig @ 3628.50usft (GL:3600'+KB:28.5')
MD Reference: Rig @ 3628.50usft (GL:3600'+KB:28.5')
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,062.00	0.30	205.20	1,062.00	-1.68	-1.56	1.67	0.33	0.11	-77.77
1,155.00	0.30	210.40	1,154.99	-2.11	-1.78	2.10	0.03	0.00	5.59
1,265.00	0.30	210.40	1,264.99	-2.61	-2.08	2.60	0.00	0.00	0.00
1,346.00	0.30	232.40	1,345.99	-2.92	-2.35	2.91	0.14	0.00	27.16
1,439.00	0.30	204.90	1,438.99	-3.29	-2.65	3.28	0.15	0.00	-29.57
1,533.00	0.20	189.10	1,532.99	-3.67	-2.78	3.66	0.13	-0.11	-16.81
1,627.00	0.20	156.60	1,626.99	-3.98	-2.74	3.97	0.12	0.00	-34.57
1,720.00	0.10	134.90	1,719.99	-4.19	-2.62	4.18	0.12	-0.11	-23.33
1,814.00	0.00	180.20	1,813.99	-4.25	-2.56	4.24	0.11	-0.11	0.00
1,908.00	0.00	180.20	1,907.99	-4.25	-2.56	4.24	0.00	0.00	0.00
2,001.00	0.60	14.90	2,000.99	-3.78	-2.43	3.77	0.65	0.65	0.00
2,095.00	2.30	13.20	2,094.95	-1.47	-1.87	1.46	1.81	1.81	-1.81
2,188.00	4.90	15.00	2,187.76	4.19	-0.42	-4.19	2.80	2.80	1.94
2,282.00	8.00	18.80	2,281.16	14.26	2.73	-14.25	3.33	3.30	4.04
2,375.00	9.00	20.10	2,373.13	27.22	7.31	-27.19	1.09	1.08	1.40
2,469.00	8.60	21.00	2,466.03	40.68	12.36	-40.63	0.45	-0.43	0.96
2,562.00	7.10	19.00	2,558.15	52.61	16.72	-52.54	1.64	-1.61	-2.15
2,656.00	5.10	14.90	2,651.62	62.14	19.69	-62.06	2.18	-2.13	-4.36
2,749.00	4.60	15.50	2,744.28	69.73	21.75	-69.64	0.54	-0.54	0.65
2,843.00	4.20	14.60	2,838.01	76.69	23.62	-76.59	0.43	-0.43	-0.96
2,936.00	3.80	14.00	2,930.78	82.98	25.23	-82.87	0.43	-0.43	-0.65
3,030.00	3.50	11.40	3,024.59	88.81	26.55	-88.70	0.36	-0.32	-2.77
3,123.00	3.10	11.00	3,117.43	94.07	27.59	-93.95	0.43	-0.43	-0.43
3,141.00	3.10	9.70	3,135.41	95.02	27.76	-94.91	0.39	0.00	-7.22
3,307.00	2.20	6.30	3,301.23	102.61	28.87	-102.49	0.55	-0.54	-2.05
3,401.00	3.00	5.40	3,395.13	106.86	29.30	-106.73	0.85	0.85	-0.96
3,494.00	3.30	6.60	3,487.99	111.94	29.83	-111.81	0.33	0.32	1.29
3,588.00	3.40	359.50	3,581.83	117.41	30.12	-117.29	0.45	0.11	-7.55
3,775.00	4.90	4.90	3,768.33	130.92	30.76	-130.79	0.83	0.80	2.89
3,962.00	5.80	358.70	3,954.52	148.32	31.22	-148.19	0.57	0.48	-3.32
4,149.00	7.90	32.20	4,140.25	168.65	37.86	-168.49	2.37	1.12	17.91
4,180.00	7.90	36.50	4,170.95	172.17	40.26	-172.00	1.91	0.00	13.87
4,242.00	7.40	47.00	4,232.40	178.32	45.72	-178.12	2.39	-0.81	16.94
4,274.00	7.30	51.00	4,264.14	181.00	48.80	-180.79	1.63	-0.31	12.50
4,336.00	6.30	60.90	4,325.71	185.13	54.84	-184.90	2.48	-1.61	15.97
4,367.00	5.40	65.60	4,356.54	186.56	57.65	-186.32	3.29	-2.90	15.16
4,398.00	5.10	69.70	4,387.41	187.64	60.27	-187.39	1.55	-0.97	13.23
4,429.00	4.00	78.70	4,418.32	188.33	62.63	-188.07	4.22	-3.55	29.03
4,460.00	3.40	84.80	4,449.25	188.63	64.60	-188.36	2.31	-1.94	19.68
4,523.00	2.00	108.80	4,512.18	188.44	67.50	-188.16	2.81	-2.22	38.10
4,585.00	1.40	149.50	4,574.16	187.44	68.91	-187.15	2.11	-0.97	65.65
4,648.00	1.50	163.30	4,637.14	185.99	69.54	-185.70	0.57	0.16	21.90
4,710.00	1.80	167.00	4,699.11	184.26	69.99	-183.97	0.51	0.48	5.97

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Wellbore: OH
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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,772.00	1.90	170.20	4,761.08	182.30	70.39	-182.01	0.23	0.16	5.16
4,835.00	2.20	172.50	4,824.04	180.07	70.72	-179.78	0.49	0.48	3.65
4,897.00	2.30	174.70	4,885.99	177.66	70.99	-177.36	0.21	0.16	3.55
4,952.00	2.30	177.40	4,940.95	175.45	71.14	-175.16	0.20	0.00	4.91
5,086.00	2.50	174.40	5,074.83	169.86	71.55	-169.56	0.18	0.15	-2.24
5,176.00	2.50	166.50	5,164.74	166.00	72.20	-165.69	0.38	0.00	-8.78
5,270.00	2.40	159.70	5,258.66	162.16	73.36	-161.85	0.33	-0.11	-7.23
5,363.00	0.30	20.90	5,351.63	160.56	74.12	-160.25	2.83	-2.26	-149.25
5,457.00	1.00	354.40	5,445.63	161.61	74.13	-161.29	0.79	0.74	-28.19
5,550.00	1.00	1.00	5,538.61	163.22	74.07	-162.91	0.12	0.00	7.10
5,644.00	0.90	6.60	5,632.60	164.78	74.17	-164.47	0.15	-0.11	5.96
5,738.00	0.80	7.10	5,726.59	166.16	74.33	-165.85	0.11	-0.11	0.53
5,832.00	1.00	13.40	5,820.58	167.61	74.60	-167.30	0.24	0.21	6.70
5,926.00	1.00	14.90	5,914.56	169.20	75.00	-168.89	0.03	0.00	1.60
6,020.00	1.10	356.50	6,008.55	170.90	75.16	-170.58	0.37	0.11	-19.57
6,114.00	1.00	348.10	6,102.53	172.60	74.94	-172.28	0.19	-0.11	-8.94
6,205.00	0.80	192.60	6,193.53	172.76	74.63	-172.44	1.93	-0.22	-170.88
6,299.00	1.40	206.00	6,287.51	171.08	73.99	-170.77	0.69	0.64	14.26
6,391.00	1.60	193.30	6,379.48	168.82	73.20	-168.52	0.42	0.22	-13.80
6,485.00	1.50	194.80	6,473.44	166.36	72.58	-166.05	0.11	-0.11	1.60
6,579.00	1.50	192.30	6,567.41	163.97	72.01	-163.66	0.07	0.00	-2.66
6,672.00	1.40	188.10	6,660.38	161.65	71.59	-161.35	0.16	-0.11	-4.52
6,766.00	1.20	190.60	6,754.36	159.55	71.24	-159.25	0.22	-0.21	2.66
6,859.00	1.20	199.20	6,847.34	157.67	70.75	-157.37	0.19	0.00	9.25
6,952.00	1.00	212.50	6,940.32	156.07	69.99	-155.77	0.35	-0.22	14.30
7,046.00	0.90	39.00	7,034.32	155.95	70.01	-155.65	2.02	-0.11	-184.57
7,140.00	1.00	10.20	7,128.30	157.33	70.62	-157.03	0.51	0.11	-30.64
7,235.00	1.00	358.90	7,223.29	158.97	70.75	-158.68	0.21	0.00	-11.89
7,329.00	1.10	340.40	7,317.27	160.64	70.43	-160.35	0.37	0.11	-19.68
7,423.00	1.20	348.00	7,411.25	162.46	69.93	-162.16	0.19	0.11	8.09
7,518.00	1.30	346.90	7,506.23	164.48	69.48	-164.19	0.11	0.11	-1.16
7,606.00	1.20	338.90	7,594.21	166.31	68.92	-166.02	0.23	-0.11	-9.09
7,700.00	1.10	345.90	7,688.19	168.10	68.34	-167.82	0.18	-0.11	7.45
7,794.00	0.90	348.70	7,782.18	169.70	67.98	-169.42	0.22	-0.21	2.98
7,887.00	0.70	338.50	7,875.17	170.95	67.63	-170.66	0.26	-0.22	-10.97
7,981.00	0.30	1.90	7,969.17	171.73	67.43	-171.44	0.47	-0.43	24.89
8,074.00	0.10	271.60	8,062.16	171.97	67.35	-171.69	0.34	-0.22	-97.10
8,168.00	0.30	316.50	8,156.16	172.16	67.10	-171.87	0.26	0.21	47.77
8,262.00	0.70	319.90	8,250.16	172.77	66.56	-172.49	0.43	0.43	3.62
8,355.00	0.80	301.10	8,343.15	173.54	65.64	-173.27	0.28	0.11	-20.22
8,448.00	0.80	279.60	8,436.14	173.99	64.44	-173.71	0.32	0.00	-23.12
8,542.00	1.40	210.60	8,530.13	173.11	63.21	-172.84	1.43	0.64	-73.40
8,635.00	2.40	212.40	8,623.08	170.49	61.59	-170.23	1.08	1.08	1.94

Pro Directional

Survey Report

Company: Matador Resources
Project: Lea County, NM
Site: Federal 30
Well: 123H
Wellbore: OH
Design: MWD

Local Co-ordinate Reference: Well 123H
TVD Reference: Rig @ 3628.50usft (GL:3600'+KB:28.5')
MD Reference: Rig @ 3628.50usft (GL:3600'+KB:28.5')
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Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,729.00	2.10	208.40	8,717.00	167.31	59.72	-167.06	0.36	-0.32	-4.26
8,822.00	1.90	214.20	8,809.95	164.53	58.04	-164.29	0.31	-0.22	6.24
8,916.00	2.00	229.70	8,903.89	162.18	55.91	-161.95	0.57	0.11	16.49
9,009.00	1.90	246.30	8,996.84	160.52	53.26	-160.29	0.61	-0.11	17.85
9,103.00	1.90	241.00	9,090.79	159.13	50.47	-158.92	0.19	0.00	-5.64
9,197.00	2.80	201.30	9,184.72	156.24	48.28	-156.04	1.92	0.96	-42.23
9,265.00	3.30	191.20	9,252.62	152.77	47.29	-152.57	1.08	0.74	-14.85
9,331.00	4.00	182.70	9,318.49	148.61	46.82	-148.41	1.34	1.06	-12.88
9,378.00	7.30	182.30	9,365.25	143.99	46.62	-143.79	7.02	7.02	-0.85
9,424.00	10.60	183.10	9,410.68	136.84	46.27	-136.64	7.18	7.17	1.74
9,456.00	12.70	185.40	9,442.02	130.40	45.78	-130.20	6.72	6.56	7.19
9,487.00	14.80	184.50	9,472.13	123.06	45.15	-122.87	6.81	6.77	-2.90
9,518.00	16.50	184.40	9,501.98	114.72	44.50	-114.53	5.48	5.48	-0.32
9,549.00	19.20	185.30	9,531.49	105.25	43.69	-105.07	8.75	8.71	2.90
9,580.00	21.40	185.40	9,560.56	94.55	42.69	-94.37	7.10	7.10	0.32
9,611.00	23.60	184.00	9,589.20	82.72	41.73	-82.55	7.30	7.10	-4.52
9,642.00	25.80	183.50	9,617.36	69.80	40.88	-69.63	7.13	7.10	-1.61
9,674.00	28.30	183.60	9,645.86	55.27	39.98	-55.11	7.81	7.81	0.31
9,708.00	30.60	183.60	9,675.46	38.59	38.93	-38.43	6.76	6.76	0.00
9,739.00	32.50	184.10	9,701.88	22.41	37.84	-22.25	6.19	6.13	1.61
9,770.00	36.60	183.80	9,727.41	4.87	36.63	-4.72	13.24	13.23	-0.97
9,801.00	40.50	182.80	9,751.65	-14.41	35.53	14.56	12.74	12.58	-3.23
9,848.00	47.00	182.50	9,785.58	-46.86	34.03	47.00	13.84	13.83	-0.64
9,895.00	53.90	182.60	9,815.49	-83.04	32.42	83.18	14.68	14.68	0.21
9,942.00	59.60	181.90	9,841.25	-122.30	30.88	122.43	12.19	12.13	-1.49
9,989.00	61.80	179.40	9,864.25	-163.28	30.43	163.40	6.59	4.68	-5.32
10,036.00	65.10	179.70	9,885.26	-205.31	30.75	205.44	7.04	7.02	0.64
10,082.00	70.00	181.60	9,902.82	-247.81	30.26	247.93	11.31	10.65	4.13
10,129.00	76.10	182.70	9,916.51	-292.71	28.57	292.83	13.17	12.98	2.34
10,175.00	80.80	181.40	9,925.72	-337.74	26.96	337.85	10.59	10.22	-2.83
10,222.00	84.30	177.60	9,931.82	-384.32	27.37	384.44	10.94	7.45	-8.09
10,269.00	88.10	175.00	9,934.93	-431.11	30.40	431.23	9.79	8.09	-5.53
10,363.00	89.40	173.00	9,936.98	-524.57	40.22	524.73	2.54	1.38	-2.13
10,456.00	89.40	171.40	9,937.96	-616.70	52.84	616.91	1.72	0.00	-1.72
10,550.00	86.50	173.60	9,941.32	-709.82	65.11	710.09	3.87	-3.09	2.34
10,644.00	85.80	177.70	9,947.63	-803.32	72.22	803.61	4.42	-0.74	4.36
10,738.00	85.60	178.10	9,954.68	-896.99	75.65	897.30	0.47	-0.21	0.43
10,831.00	88.80	178.80	9,959.22	-989.83	78.17	990.15	3.52	3.44	0.75
10,924.00	89.40	179.10	9,960.69	-1,082.80	79.87	1,083.13	0.72	0.65	0.32
11,018.00	89.60	178.70	9,961.51	-1,176.78	81.67	1,177.11	0.48	0.21	-0.43
11,112.00	90.10	177.50	9,961.75	-1,270.73	84.79	1,271.07	1.38	0.53	-1.28
11,205.00	90.00	177.00	9,961.67	-1,363.62	89.25	1,363.98	0.55	-0.11	-0.54
11,298.00	89.60	179.50	9,962.00	-1,456.57	92.09	1,456.94	2.72	-0.43	2.69
11,392.00	89.90	180.20	9,962.41	-1,550.57	92.34	1,550.94	0.81	0.32	0.74

Pro Directional Survey Report

Company: Matador Resources
Project: Lea County, NM
Site: Federal 30
Well: 123H
Wellbore: OH
Design: MWD

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well 123H
Rig @ 3628.50usft (GL:3600'+KB:28.5')
Rig @ 3628.50usft (GL:3600'+KB:28.5')
Grid
Minimum Curvature
WellPlanner1

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,485.00	90.60	180.20	9,962.00	-1,643.56	92.01	1,643.94	0.75	0.75	0.00
11,579.00	90.50	182.50	9,961.10	-1,737.53	89.80	1,737.89	2.45	-0.11	2.45
11,672.00	91.00	183.70	9,959.88	-1,830.38	84.77	1,830.72	1.40	0.54	1.29
11,765.00	89.80	184.30	9,959.23	-1,923.15	78.28	1,923.46	1.44	-1.29	0.65
11,859.00	89.90	184.60	9,959.48	-2,016.87	70.99	2,017.15	0.34	0.11	0.32
11,952.00	90.30	185.00	9,959.31	-2,109.54	63.21	2,109.79	0.61	0.43	0.43
12,046.00	88.80	181.50	9,960.05	-2,203.37	57.88	2,203.59	4.05	-1.60	-3.72
12,139.00	88.50	181.30	9,962.24	-2,296.32	55.61	2,296.53	0.39	-0.32	-0.22
12,233.00	88.50	182.00	9,964.70	-2,390.24	52.90	2,390.44	0.74	0.00	0.74
12,327.00	89.30	182.10	9,966.51	-2,484.17	49.54	2,484.35	0.86	0.85	0.11
12,420.00	88.40	180.20	9,968.38	-2,577.12	47.67	2,577.30	2.26	-0.97	-2.04
12,514.00	88.00	180.10	9,971.33	-2,671.08	47.43	2,671.25	0.44	-0.43	-0.11
12,607.00	88.30	180.00	9,974.33	-2,764.03	47.35	2,764.20	0.34	0.32	-0.11
12,701.00	90.30	178.80	9,975.48	-2,858.01	48.33	2,858.19	2.48	2.13	-1.28
12,794.00	90.90	179.40	9,974.51	-2,950.99	49.79	2,951.17	0.91	0.65	0.65
12,887.00	91.30	179.50	9,972.72	-3,043.97	50.68	3,044.16	0.44	0.43	0.11
12,981.00	89.40	178.10	9,972.15	-3,137.94	52.65	3,138.13	2.51	-2.02	-1.49
13,074.00	89.30	177.60	9,973.20	-3,230.87	56.14	3,231.08	0.55	-0.11	-0.54
13,168.00	89.40	178.20	9,974.27	-3,324.80	59.59	3,325.02	0.65	0.11	0.64
13,261.00	89.50	179.10	9,975.16	-3,417.77	61.78	3,418.00	0.97	0.11	0.97
13,355.00	90.10	179.70	9,975.49	-3,511.76	62.76	3,511.99	0.90	0.64	0.64
13,449.00	89.90	180.00	9,975.49	-3,605.76	63.01	3,605.99	0.38	-0.21	0.32
13,542.00	90.00	179.90	9,975.57	-3,698.76	63.09	3,698.99	0.15	0.11	-0.11
13,636.00	89.70	179.60	9,975.82	-3,792.76	63.50	3,792.99	0.45	-0.32	-0.32
13,729.00	89.80	178.80	9,976.22	-3,885.75	64.80	3,885.99	0.87	0.11	-0.86
13,823.00	90.60	178.80	9,975.89	-3,979.73	66.77	3,979.97	0.85	0.85	0.00
13,916.00	91.40	178.80	9,974.27	-4,072.69	68.71	4,072.94	0.86	0.86	0.00
14,010.00	91.50	178.80	9,971.89	-4,166.64	70.68	4,166.90	0.11	0.11	0.00
14,104.00	88.90	178.80	9,971.56	-4,260.61	72.65	4,260.88	2.77	-2.77	0.00
14,197.00	89.60	178.90	9,972.78	-4,353.58	74.52	4,353.86	0.76	0.75	0.11
14,302.00	91.30	179.00	9,971.96	-4,458.56	76.44	4,458.84	1.62	1.62	0.10
14,395.00	93.50	178.90	9,968.06	-4,551.46	78.14	4,551.74	2.37	2.37	-0.11
14,489.00	92.70	177.90	9,962.98	-4,645.28	80.76	4,645.58	1.36	-0.85	-1.06
14,675.00	92.70	177.91	9,954.22	-4,830.95	87.56	4,831.27	0.01	0.00	0.01

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		
		+N/-S (usft)	+E/-W (usft)	Comment
14,489.00	9,962.98	-4,645.28	80.76	Last Survey: 14,489' MD 9,963' TVD
14,675.00	9,954.22	-4,830.95	87.56	Projection to Bit: 14,675' MD 9,954' TVD

**Pro Directional
Survey Report**

Company:	Matador Resources	Local Co-ordinate Reference:	Well 123H
Project:	Lea County, NM	TVD Reference:	Rig @ 3628.50usft (GL:3600'+KB:28.5')
Site:	Federal 30	MD Reference:	Rig @ 3628.50usft (GL:3600'+KB:28.5')
Well:	123H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Checked By: _____	Approved By: _____	Date: _____
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