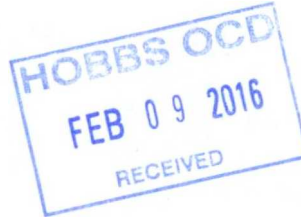




**PHOENIX
TECHNOLOGY SERVICES**

November 10, 2015

Matador Production Company
Attention: Regulatory Department
One Lincoln Centre
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240



Re: Matador Resources
Conine 03-20S-35E RN 121H
Lea Co., New Mexico
API #30-025-42719
Job No. 1514332

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the Survey Data Certification, Surveys, and Lease Plat for the above referenced Well with the Texas Railroad Commission via certification online. A copy of the filing is attached for your records.

Name of Surveyor	Drain hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Clint Gortmaker	121H	167	9,541	10/04/15	10/15/15	MWD

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

Best Regards,

Claudia Carreon

Claudia Carreon
Operations Administrator

FEB 15 2016

Phoenix Technology Services
SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER

1514332

ENERGY COMPANY Matador Resources

WELL NAME Conine 03-20S-35E RN 121H

COUNTY & STATE

Lea County, NM

API WELL NUMBER

30-025-42719

PROPOSED DIRECTION

89.74

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
0	.00 ft	0.00	0.00	.00 ft	.00 ft	Surface

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
4-Oct-15	167.00 ft	0.00	223.30

SURVEY INSTRUMENT
TYPE
Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
15-Oct-15	9,541.00 ft	0.70	259.50

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED	PROJECTED		
TD SURVEY	TD SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
15-Oct-15	9,600.00 ft	0.70	259.50

Clint R. Gortmaker

PRINT YOUR NAME ABOVE

Clint R. Gortmaker

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	6.43
DECLINATION OR GRID	GRID

10/15/2015

TODAY'S DATE

MWD SUPERVISOR 1

Clint Gortmaker

DIRECTIONAL DRILLER 1

Van Johnson

MWD SUPERVISOR 2

Gary Harmon

DIRECTIONAL DRILLER 2

Hich Chaara

12329 Cutten Rd., Houston, Texas 777066

(713)337-0600 (Voice), (713)337-0599 (Fax)



Matador Resources

Lea County, NM (NAD 27)

Conine 03-20S-35E RN

121H

OH / Job 1514332

Survey: Phoenix MWD Surveys

Standard Survey Report

15 October, 2015





Phoenix Technology Services LP
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 121H
Project:	Lea County, NM (NAD 27)	TVD Reference:	RKB @ 3714.50usft (Patterson 809)
Site:	Conine 03-20S-35E RN	MD Reference:	RKB @ 3714.50usft (Patterson 809)
Well:	121H	North Reference:	Grid
Wellbore:	OH / Job 1514332	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 809)	Database:	Compass 5000 GCR

Project	Lea County, NM (NAD 27)		
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		Conine 03-20S-35E RN			
Site Position:		Northing:	586,051.00 usft	Latitude:	32° 36' 29.04802 N
From:	Map	Easting:	771,289.00 usft	Longitude:	103° 27' 8.43709 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 °

Well	121H					
Well Position	+N/-S	0.00 usft	Northing:	586,051.00 usft	Latitude:	32° 36' 29.04802 N
	+E/-W	0.00 usft	Easting:	771,289.00 usft	Longitude:	103° 27' 8.43709 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,686.00 usft

Wellbore	OH / Job 1514332				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/23/2015	6.90	60.63	48,453

Design	Surveys (Patterson 809)				
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	89.74	

Survey Program	Date 10/15/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
167.00	9,600.00	Phoenix MWD Surveys (OH / Job 1514332)	PHX+MWD+HDGM	PHX+OWSG MWD + HDGM

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.00	0.00	223.30	167.00	0.00	0.00	0.00	0.00	0.00	0.00
First Phoenix Survey									
296.00	0.10	297.50	296.00	0.05	-0.10	-0.10	0.08	0.08	0.00
484.00	0.20	31.30	484.00	0.41	-0.07	-0.07	0.12	0.05	49.89
668.00	0.30	39.70	668.00	1.05	0.40	0.40	0.06	0.05	4.57
859.00	0.30	35.10	859.00	1.85	1.01	1.01	0.01	0.00	-2.41
940.00	0.30	33.30	939.99	2.20	1.24	1.25	0.01	0.00	-2.22
1,031.00	0.40	44.40	1,030.99	2.62	1.60	1.61	0.13	0.11	12.20
1,125.00	0.60	39.40	1,124.99	3.24	2.14	2.15	0.22	0.21	-5.32
1,219.00	0.60	39.70	1,218.98	4.00	2.77	2.78	0.00	0.00	0.32



Phoenix Technology Services LP Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 121H
Project:	Lea County, NM (NAD 27)	TVD Reference:	RKB @ 3714.50usft (Patterson 809)
Site:	Conine 03-20S-35E RN	MD Reference:	RKB @ 3714.50usft (Patterson 809)
Well:	121H	North Reference:	Grid
Wellbore:	OH / Job 1514332	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 809)	Database:	Compass 5000 GCR

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)
1,312.00	0.70	24.60	1,311.98	4.89	3.31	3.34	0.21	0.11	-16.24
1,406.00	0.80	29.20	1,405.97	5.98	3.87	3.90	0.12	0.11	4.89
1,499.00	1.10	36.60	1,498.96	7.27	4.72	4.76	0.35	0.32	7.96
1,593.00	1.10	33.20	1,592.94	8.75	5.75	5.79	0.07	0.00	-3.62
1,686.00	1.10	23.50	1,685.92	10.31	6.60	6.65	0.20	0.00	-10.43
1,747.00	1.10	31.20	1,746.91	11.35	7.14	7.19	0.24	0.00	12.62
1,869.00	0.80	39.90	1,868.89	13.00	8.29	8.35	0.27	-0.25	7.13
1,963.00	1.20	347.70	1,962.88	14.47	8.50	8.57	1.01	0.43	-55.53
2,056.00	2.00	334.40	2,055.84	16.89	7.59	7.67	0.94	0.86	-14.30
2,150.00	3.30	322.10	2,149.74	20.50	5.22	5.31	1.50	1.38	-13.09
2,243.00	4.50	311.10	2,242.53	25.01	0.83	0.94	1.51	1.29	-11.83
2,337.00	4.80	309.60	2,336.22	29.94	-4.98	-4.85	0.34	0.32	-1.60
2,431.00	5.00	308.70	2,429.87	35.01	-11.21	-11.05	0.23	0.21	-0.96
2,524.00	5.10	309.30	2,522.51	40.16	-17.57	-17.39	0.12	0.11	0.65
2,618.00	4.60	310.20	2,616.18	45.24	-23.68	-23.48	0.54	-0.53	0.96
2,711.00	4.20	296.80	2,708.90	49.18	-29.57	-29.35	1.18	-0.43	-14.41
2,805.00	3.80	297.60	2,802.68	52.18	-35.40	-35.17	0.43	-0.43	0.85
2,898.00	3.40	303.70	2,895.49	55.14	-40.43	-40.18	0.59	-0.43	6.56
2,992.00	3.50	315.70	2,989.32	58.74	-44.75	-44.49	0.77	0.11	12.77
3,085.00	4.10	312.20	3,082.12	63.00	-49.20	-48.91	0.69	0.65	-3.76
3,179.00	5.20	307.30	3,175.81	67.84	-55.08	-54.77	1.24	1.17	-5.21
3,273.00	5.20	314.60	3,269.42	73.41	-61.50	-61.16	0.70	0.00	7.77
3,366.00	5.00	316.50	3,362.05	79.31	-67.29	-66.93	0.28	-0.22	2.04
3,460.00	4.20	312.60	3,455.75	84.61	-72.64	-72.26	0.91	-0.85	-4.15
3,554.00	3.80	311.10	3,549.52	88.99	-77.52	-77.12	0.44	-0.43	-1.60
3,647.00	3.70	313.50	3,642.32	93.08	-82.02	-81.60	0.20	-0.11	2.58
3,741.00	4.70	308.90	3,736.07	97.59	-87.22	-86.78	1.12	1.06	-4.89
3,834.00	4.50	312.70	3,828.77	102.45	-92.87	-92.40	0.39	-0.22	4.09
3,928.00	4.20	306.90	3,922.50	107.02	-98.33	-97.84	0.57	-0.32	-6.17
4,021.00	4.00	309.40	4,015.26	111.13	-103.56	-103.05	0.29	-0.22	2.69
4,114.00	3.70	304.70	4,108.05	114.89	-108.53	-108.01	0.47	-0.32	-5.05
4,208.00	3.70	305.10	4,201.86	118.36	-113.51	-112.97	0.03	0.00	0.43
4,301.00	3.70	303.60	4,294.66	121.75	-118.46	-117.91	0.10	0.00	-1.61
4,395.00	4.30	303.90	4,388.43	125.39	-123.91	-123.34	0.64	0.64	0.32
4,488.00	4.60	306.80	4,481.15	129.57	-129.79	-129.20	0.40	0.32	3.12
4,582.00	4.70	306.40	4,574.84	134.12	-135.91	-135.30	0.11	0.11	-0.43
4,675.00	4.60	303.30	4,667.54	138.42	-142.09	-141.47	0.29	-0.11	-3.33
4,769.00	4.20	302.20	4,761.26	142.33	-148.16	-147.51	0.43	-0.43	-1.17
4,863.00	4.00	299.80	4,855.02	145.79	-153.92	-153.25	0.28	-0.21	-2.55
4,956.00	4.20	299.90	4,947.78	149.10	-159.68	-159.00	0.22	0.22	0.11
5,050.00	4.30	298.50	5,041.52	152.50	-165.76	-165.07	0.15	0.11	-1.49
5,143.00	4.30	296.60	5,134.26	155.72	-171.95	-171.24	0.15	0.00	-2.04
5,237.00	4.00	297.30	5,228.01	158.80	-178.01	-177.29	0.32	-0.32	0.74



Phoenix Technology Services LP
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 121H
Project:	Lea County, NM (NAD 27)	TVD Reference:	RKB @ 3714.50usft (Patterson 809)
Site:	Conine 03-20S-35E RN	MD Reference:	RKB @ 3714.50usft (Patterson 809)
Well:	121H	North Reference:	Grid
Wellbore:	OH / Job 1514332	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 809)	Database:	Compass 5000 GCR

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)
5,331.00	4.20	295.40	5,321.77	161.79	-184.03	-183.30	0.26	0.21	-2.02
5,424.00	3.10	304.70	5,414.58	164.68	-189.18	-188.43	1.34	-1.18	10.00
5,518.00	1.80	324.00	5,508.50	167.32	-192.13	-191.37	1.62	-1.38	20.53
5,612.00	1.30	326.90	5,602.46	169.41	-193.58	-192.81	0.54	-0.53	3.09
5,705.00	1.20	335.10	5,695.44	171.17	-194.57	-193.79	0.22	-0.11	8.82
5,748.00	1.30	335.50	5,738.43	172.03	-194.96	-194.18	0.23	0.23	0.93
5,863.00	0.80	339.00	5,853.41	173.96	-195.79	-195.00	0.44	-0.43	3.04
5,956.00	0.80	352.50	5,946.40	175.21	-196.11	-195.31	0.20	0.00	14.52
6,050.00	0.70	12.10	6,040.39	176.42	-196.07	-195.27	0.29	-0.11	20.85
6,143.00	0.50	44.20	6,133.39	177.27	-195.67	-194.87	0.41	-0.22	34.52
6,237.00	0.70	254.30	6,227.39	177.41	-195.94	-195.13	1.23	0.21	-159.47
6,331.00	0.50	244.30	6,321.38	177.08	-196.86	-196.06	0.24	-0.21	-10.64
6,424.00	0.40	231.30	6,414.38	176.70	-197.48	-196.68	0.15	-0.11	-13.98
6,518.00	0.40	222.20	6,508.38	176.25	-197.96	-197.15	0.07	0.00	-9.68
6,611.00	0.40	207.00	6,601.37	175.72	-198.32	-197.52	0.11	0.00	-16.34
6,705.00	0.40	181.70	6,695.37	175.10	-198.48	-197.68	0.19	0.00	-26.91
6,798.00	0.90	198.70	6,788.37	174.08	-198.72	-197.93	0.57	0.54	18.28
6,892.00	1.10	250.60	6,882.35	173.08	-199.81	-199.02	0.95	0.21	55.21
6,985.00	1.40	267.40	6,975.33	172.74	-201.79	-201.00	0.51	0.32	18.06
7,079.00	1.30	273.00	7,069.31	172.74	-204.00	-203.21	0.18	-0.11	5.96
7,172.00	1.40	278.20	7,162.28	172.96	-206.18	-205.39	0.17	0.11	5.59
7,266.00	1.30	278.50	7,256.25	173.28	-208.37	-207.58	0.11	-0.11	0.32
7,360.00	1.20	275.30	7,350.23	173.53	-210.40	-209.62	0.13	-0.11	-3.40
7,453.00	1.10	271.90	7,443.21	173.65	-212.27	-211.48	0.13	-0.11	-3.66
7,547.00	0.90	274.30	7,537.20	173.73	-213.90	-213.11	0.22	-0.21	2.55
7,641.00	0.60	276.40	7,631.19	173.84	-215.13	-214.34	0.32	-0.32	2.23
7,734.00	0.40	267.10	7,724.19	173.88	-215.94	-215.15	0.23	-0.22	-10.00
7,828.00	0.30	275.60	7,818.18	173.89	-216.51	-215.72	0.12	-0.11	9.04
7,922.00	0.20	263.20	7,912.18	173.89	-216.92	-216.13	0.12	-0.11	-13.19
8,015.00	0.20	280.90	8,005.18	173.90	-217.24	-216.45	0.07	0.00	19.03
8,109.00	0.10	268.60	8,099.18	173.93	-217.48	-216.69	0.11	-0.11	-13.09
8,203.00	0.30	300.10	8,193.18	174.05	-217.78	-216.98	0.24	0.21	33.51
8,296.00	0.40	329.80	8,286.18	174.46	-218.15	-217.36	0.22	0.11	31.94
8,390.00	0.50	333.10	8,380.18	175.11	-218.50	-217.70	0.11	0.11	3.51
8,483.00	0.90	343.30	8,473.17	176.17	-218.89	-218.09	0.45	0.43	10.97
8,577.00	1.80	332.20	8,567.14	178.18	-219.80	-218.98	0.99	0.96	-11.81
8,671.00	1.40	332.90	8,661.11	180.51	-221.01	-220.19	0.43	-0.43	0.74
8,764.00	1.40	333.00	8,754.08	182.53	-222.04	-221.21	0.00	0.00	0.11
8,858.00	3.20	324.10	8,848.00	185.68	-224.10	-223.26	1.95	1.91	-9.47
8,951.00	2.30	314.70	8,940.89	189.10	-226.95	-226.09	1.08	-0.97	-10.11
9,045.00	1.10	5.40	9,034.85	191.32	-228.20	-227.33	1.93	-1.28	53.94
9,138.00	1.30	359.00	9,127.83	193.26	-228.14	-227.26	0.26	0.22	-6.88
9,232.00	1.80	347.40	9,221.80	195.77	-228.48	-227.59	0.63	0.53	-12.34



Phoenix Technology Services LP
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 121H
Project:	Lea County, NM (NAD 27)	TVD Reference:	RKB @ 3714.50usft (Patterson 809)
Site:	Conine 03-20S-35E RN	MD Reference:	RKB @ 3714.50usft (Patterson 809)
Well:	121H	North Reference:	Grid
Wellbore:	OH / Job 1514332	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 809)	Database:	Compass 5000 GCR

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)
9,325.00	1.90	320.30	9,314.75	198.38	-229.78	-228.88	0.94	0.11	-29.14
9,418.00	0.90	311.40	9,407.72	200.05	-231.32	-230.41	1.10	-1.08	-9.57
9,512.00	0.60	266.80	9,501.72	200.51	-232.36	-231.45	0.67	-0.32	-47.45
9,541.00	0.70	259.50	9,530.71	200.47	-232.69	-231.78	0.45	0.34	-25.17
Final Phoenix Survey									
9,600.00	0.70	259.50	9,589.71	200.34	-233.40	-232.48	0.00	0.00	0.00
Projection to TD									

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
167.00	167.00	0.00	0.00	First Phoenix Survey
9,541.00	9,530.71	200.47	-232.69	Final Phoenix Survey
9,600.00	9,589.71	200.34	-233.40	Projection to TD

Checked By: _____ Approved By: _____ Date: _____