PHOENIX
TECHNOLOGY SERVICES

HOBBS OCD March 26, 2015

MAR 30 2015

RECEIVED

Oil Conservation Division
State of New Mexico
1625 N. French Drive
Hobbs, New Mexico 88240

Dear District 1 - Hobbs

Re: Matador Resources
Cimarron 16-19S-34E #134H
Lea County, New Mexico
API #30-025-42352
Job No. 1512985

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Eric Neel	134H	5,946	15,359	02/19/15	03/06/15	MWD

A certified plat on which the bottom hole location is oriented both to the 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.

Best Regards,

Claudia Carreon

Claudia Carreon
Operations Administrator

Certified mail receipt number: 7014 2120 0004 3423 7309

12329 Cutten Rd. Houston, TX 77066 • Phone (713) 337-0600 • Fax (713) 337-0599
www.phxtech.com

Phoenix Technology Services
SURVEY DATA CERTIFICATION

PHOENIX TECHNOLOGY SERVICES

PHOENIX JOB NUMBER	1512985	ENERGY COMPANY	Matador Resources
WELL NAME	Cimarron 16-19S-34E 134H	COUNTY & STATE	Lea, NM
API WELL NUMBER	30-025-42352	PROPOSED DIRECTION	179.49°

TIE-IN DATA

MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
5,800. ft	5,799.58 ft	1.32°	347.28°	13.01 ft	3.78 ft	Matador MWD

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
19-Feb-15	5,946.00 ft	1.9°	356.2°

SURVEY INSTRUMENT TYPE
Phoenix MWD

HOBBS OCD
MAR 30 2015
RECEIVED

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
6-Mar-15	15,359.00 ft	92.7°	179.1°

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

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
6-Mar-15	15,464.00 ft	92.7°	179.1°

Eric Neel
PRINT YOUR NAME ABOVE

Eric Neel
SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	6.87
DECLINATION OR GRID	GRID

3/6/2015
TODAY'S DATE

MWD SUPERVISOR 1	Eric Neel	DIRECTIONAL DRILLER 1	Van Johnson
MWD SUPERVISOR 2	Steven Poer	DIRECTIONAL DRILLER 2	Aaron Kinney

12329 Cutten Rd., Houston, Texas 777066 (713)337-0600 (Voice), (713)337-0599 (Fax)

Matador Resources

Lea County, NM (NAD 27)
Cimarron 16-19S-34E
#134H

Wellbore #1 Job #1512985

Survey: Phoenix MWD Surveys

Standard Survey Report

09 March, 2015

PHOENIX
TECHNOLOGY SERVICES

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #134H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	GL3825+KB22.5 @ 3847.50usft (Patterson 262)
Site:	Cimarron 16-19S-34E	**MD Reference:**	GL3825+KB22.5 @ 3847.50usft (Patterson 262)
Well:	#134H	**North Reference:**	Grid
Wellbore:	Wellbore #1 Job #1512985	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (Patterson 262)	**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 Cimarron 16-19S-34E

Site Position:		**Northing:**	607,129.00 usft	**Latitude:**	32° 40' 0.16131 N
From:	Map	**Easting:**	738,164.00 usft	**Longitude:**	103° 33' 33.86441 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.42 °

Well #134H

Well Position	**+N/-S**	0.00 usft	**Northing:**	607,129.00 usft	**Latitude:**	32° 40' 0.16131 N
	+E/-W	0.00 usft	**Easting:**	738,164.00 usft	**Longitude:**	103° 33' 33.86441 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	0.00 usft	**Ground Level:**	3,825.00 usft

Wellbore Wellbore #1 Job #1512985

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	2/12/2015	7.29	60.49	48,481

Design Surveys (Patterson 262)

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	179.49

Survey Program **Date** 3/9/2015

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
141.00	5,793.00	Matador Field MWD (Wellbore #1 Job #15	MWD	MWD - Standard
5,946.00	15,464.00	Phoenix MWD Surveys (Wellbore #1 Job #	PHX+MWD+BGGM	PHX+MWD+BGGM v3:standard declination

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)
5,800.00	1.32	347.28	5,799.58	13.01	3.78	-12.98	0.00	0.00	0.00
5,946.00	1.90	356.20	5,945.52	17.07	3.25	-17.04	0.43	0.40	6.11
First Phoenix MWD Survey									
6,040.00	2.10	70.60	6,039.48	19.19	4.77	-19.15	2.58	0.21	79.15
6,134.00	3.20	75.30	6,133.38	20.43	8.93	-20.35	1.19	1.17	5.00
6,228.00	3.50	90.00	6,227.22	21.10	14.34	-20.97	0.96	0.32	15.64
6,322.00	5.50	88.70	6,320.92	21.20	21.71	-21.00	2.13	2.13	-1.38
6,416.00	6.50	89.10	6,414.41	21.38	31.54	-21.10	1.06	1.06	0.43
6,511.00	8.30	86.70	6,508.61	21.86	43.76	-21.47	1.92	1.89	-2.53
6,605.00	9.70	83.30	6,601.45	23.18	58.40	-22.66	1.59	1.49	-3.62

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #134H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	GL3825+KB22.5 @ 3847.50usft (Patterson 262)
Site:	Cimarron 16-19S-34E	**MD Reference:**	GL3825+KB22.5 @ 3847.50usft (Patterson 262)
Well:	#134H	**North Reference:**	Grid
Wellbore:	Wellbore #1 Job #1512985	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (Patterson 262)	**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)
6,700.00	11.00	81.00	6,694.91	25.53	75.30	-24.86	1.44	1.37	-2.42
6,795.00	12.40	75.90	6,787.93	29.43	94.15	-28.59	1.83	1.47	-5.37
6,889.00	13.30	73.40	6,879.58	34.98	114.30	-33.96	1.13	0.96	-2.66
6,983.00	13.30	75.90	6,971.06	40.70	135.15	-39.50	0.61	0.00	2.66
7,077.00	12.90	77.70	7,062.61	45.57	155.88	-44.18	0.61	-0.43	1.91
7,171.00	12.40	75.80	7,154.33	50.28	175.92	-48.72	0.69	-0.53	-2.02
7,265.00	11.90	72.60	7,246.23	55.66	194.95	-53.92	0.89	-0.53	-3.40
7,359.00	11.20	75.30	7,338.32	60.87	213.03	-58.97	0.94	-0.74	2.87
7,453.00	11.70	70.90	7,430.45	66.31	230.87	-64.25	1.07	0.53	-4.68
7,547.00	11.30	68.20	7,522.57	72.85	248.43	-70.63	0.71	-0.43	-2.87
7,642.00	10.60	69.40	7,615.84	79.38	265.25	-77.01	0.77	-0.74	1.26
7,736.00	11.40	67.30	7,708.11	86.01	281.91	-83.49	0.95	0.85	-2.23
7,830.00	10.30	66.80	7,800.43	92.90	298.21	-90.24	1.17	-1.17	-0.53
7,924.00	10.40	66.30	7,892.90	99.62	313.70	-96.83	0.14	0.11	-0.53
8,019.00	11.50	67.30	7,986.17	106.72	330.29	-103.78	1.17	1.16	1.05
8,113.00	10.40	67.10	8,078.45	113.64	346.75	-110.55	1.17	-1.17	-0.21
8,207.00	8.80	63.80	8,171.14	120.12	361.02	-116.90	1.80	-1.70	-3.51
8,301.00	9.40	59.30	8,263.95	127.21	374.07	-123.88	0.99	0.64	-4.79
8,395.00	11.90	57.20	8,356.33	136.38	388.82	-132.92	2.69	2.66	-2.23
8,489.00	10.40	54.90	8,448.55	146.51	403.91	-142.91	1.66	-1.60	-2.45
8,584.00	8.50	48.10	8,542.26	156.13	416.15	-152.42	2.32	-2.00	-7.16
8,679.00	7.60	42.80	8,636.32	165.43	425.64	-161.63	1.23	-0.95	-5.58
8,773.00	6.50	41.00	8,729.61	174.01	433.36	-170.14	1.19	-1.17	-1.91
8,868.00	4.90	46.60	8,824.14	180.85	439.83	-176.93	1.78	-1.68	5.89
8,957.00	3.80	42.30	8,912.88	185.65	444.58	-181.68	1.29	-1.24	-4.83
9,052.00	3.40	34.20	9,007.70	190.30	448.28	-186.31	0.68	-0.42	-8.53
9,144.00	2.50	30.00	9,099.57	194.30	450.82	-190.28	1.01	-0.98	-4.57
9,239.00	1.90	60.80	9,194.51	196.86	453.23	-192.82	1.37	-0.63	32.42
9,333.00	0.70	76.70	9,288.48	197.75	455.15	-193.69	1.32	-1.28	16.91
9,427.00	0.40	171.00	9,382.48	197.56	455.76	-193.50	0.88	-0.32	100.32
9,521.00	0.10	210.70	9,476.48	197.17	455.77	-193.10	0.35	-0.32	42.23
9,616.00	0.40	285.70	9,571.48	197.19	455.41	-193.12	0.41	0.32	78.95
9,711.00	0.60	307.40	9,666.47	197.58	454.69	-193.52	0.29	0.21	22.84
9,804.00	1.40	303.80	9,759.46	198.51	453.36	-194.46	0.86	0.86	-3.87
9,899.00	2.40	283.50	9,854.40	199.62	450.46	-195.60	1.25	1.05	-21.37
9,993.00	2.50	275.70	9,948.32	200.28	446.51	-196.30	0.37	0.11	-8.30
10,087.00	2.10	256.40	10,042.24	200.08	442.80	-196.13	0.92	-0.43	-20.53
10,118.00	2.40	233.40	10,073.22	199.56	441.72	-195.62	3.04	0.97	-74.19
10,147.00	2.70	213.90	10,102.19	198.63	440.86	-194.70	3.15	1.03	-67.24
10,178.00	3.80	186.10	10,133.14	197.00	440.34	-193.07	6.10	3.55	-89.68
10,210.00	7.20	171.00	10,164.99	193.96	440.54	-190.03	11.46	10.63	-47.19
10,241.00	11.00	169.60	10,195.60	189.13	441.38	-185.20	12.28	12.26	-4.52
10,272.00	14.90	167.90	10,225.80	182.33	442.75	-178.38	12.64	12.58	-5.48

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #134H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	GL3825+KB22.5 @ 3847.50usft (Patterson 262)
Site:	Cimarron 16-19S-34E	**MD Reference:**	GL3825+KB22.5 @ 3847.50usft (Patterson 262)
Well:	#134H	**North Reference:**	Grid
Wellbore:	Wellbore #1 Job #1512985	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (Patterson 262)	**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)
10,304.00	19.30	166.00	10,256.38	173.17	444.89	-169.20	13.86	13.75	-5.94
10,336.00	23.70	166.20	10,286.15	161.79	447.71	-157.79	13.75	13.75	0.63
10,367.00	28.10	168.60	10,314.03	148.57	450.64	-144.55	14.59	14.19	7.74
10,398.00	32.20	170.40	10,340.83	133.26	453.46	-129.22	13.54	13.23	5.81
10,430.00	35.50	169.90	10,367.40	115.71	456.51	-111.64	10.35	10.31	-1.56
10,461.00	37.60	168.70	10,392.30	97.57	459.94	-93.47	7.16	6.77	-3.87
10,492.00	39.70	165.90	10,416.51	78.69	464.21	-74.55	8.81	6.77	-9.03
10,524.00	43.40	164.10	10,440.46	58.19	469.71	-54.01	12.15	11.56	-5.63
10,555.00	46.10	163.00	10,462.47	37.27	475.90	-33.03	9.06	8.71	-3.55
10,587.00	48.30	162.20	10,484.21	14.86	482.92	-10.57	7.12	6.88	-2.50
10,618.00	50.40	161.90	10,504.41	-7.51	490.17	11.87	6.81	6.77	-0.97
10,649.00	52.20	162.30	10,523.79	-30.53	497.60	34.96	5.89	5.81	1.29
10,680.00	54.40	161.70	10,542.32	-54.17	505.28	58.66	7.26	7.10	-1.94
10,711.00	56.10	162.40	10,559.98	-78.40	513.13	82.96	5.79	5.48	2.26
10,743.00	57.70	162.90	10,577.46	-103.98	521.13	108.62	5.17	5.00	1.56
10,774.00	59.50	163.70	10,593.61	-129.33	528.73	134.03	6.21	5.81	2.58
10,805.00	60.90	164.60	10,609.02	-155.20	536.07	159.97	5.17	4.52	2.90
10,837.00	62.30	165.90	10,624.24	-182.42	543.24	187.25	5.65	4.38	4.06
10,868.00	63.30	166.70	10,638.41	-209.21	549.77	214.10	3.96	3.23	2.58
10,899.00	65.30	167.00	10,651.85	-236.41	556.12	241.35	6.51	6.45	0.97
10,931.00	67.30	167.40	10,664.71	-264.98	562.61	269.98	6.35	6.25	1.25
10,962.00	70.60	167.40	10,675.84	-293.21	568.92	298.27	10.65	10.65	0.00
10,994.00	73.10	167.80	10,685.81	-322.91	575.45	328.02	7.90	7.81	1.25
11,025.00	75.40	168.60	10,694.23	-352.11	581.55	357.28	7.82	7.42	2.58
11,057.00	77.60	169.40	10,701.70	-382.66	587.48	387.87	7.29	6.88	2.50
11,088.00	79.70	170.40	10,707.80	-412.58	592.81	417.84	7.48	6.77	3.23
11,119.00	81.60	171.10	10,712.83	-442.77	597.73	448.07	6.52	6.13	2.26
11,151.00	83.80	171.80	10,716.90	-474.15	602.45	479.49	7.21	6.88	2.19
11,182.00	86.20	173.20	10,719.60	-504.77	606.48	510.14	8.95	7.74	4.52
11,241.00	87.10	173.90	10,723.05	-563.29	613.09	568.73	1.93	1.53	1.19
11,308.00	89.90	176.30	10,724.80	-630.01	618.81	635.50	5.50	4.18	3.58
11,402.00	89.80	178.20	10,725.05	-723.90	623.32	729.42	2.02	-0.11	2.02
11,496.00	89.80	179.80	10,725.38	-817.88	624.96	823.41	1.70	0.00	1.70
11,591.00	89.80	180.00	10,725.71	-912.88	625.13	918.41	0.21	0.00	0.21
11,685.00	89.80	179.50	10,726.04	-1,006.88	625.54	1,012.41	0.53	0.00	-0.53
11,779.00	90.50	180.90	10,725.79	-1,100.87	625.21	1,106.40	1.67	0.74	1.49
11,873.00	91.30	180.60	10,724.31	-1,194.85	623.98	1,200.36	0.91	0.85	-0.32
11,966.00	92.00	180.40	10,721.64	-1,287.81	623.17	1,293.31	0.78	0.75	-0.22
12,060.00	92.10	180.40	10,718.27	-1,381.75	622.51	1,387.24	0.11	0.11	0.00
12,155.00	91.30	181.10	10,715.45	-1,476.70	621.27	1,482.17	1.12	-0.84	0.74
12,248.00	91.70	180.70	10,713.02	-1,569.65	619.81	1,575.11	0.61	0.43	-0.43
12,343.00	90.50	181.60	10,711.20	-1,664.61	617.90	1,670.05	1.58	-1.26	0.95
12,437.00	90.10	181.70	10,710.70	-1,758.57	615.20	1,763.98	0.44	-0.43	0.11

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #134H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	GL3825+KB22.5 @ 3847.50usft (Patterson 262)
Site:	Cimarron 16-19S-34E	**MD Reference:**	GL3825+KB22.5 @ 3847.50usft (Patterson 262)
Well:	#134H	**North Reference:**	Grid
Wellbore:	Wellbore #1 Job #1512985	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (Patterson 262)	**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)
12,532.00	89.80	181.20	10,710.79	-1,853.54	612.79	1,858.92	0.61	-0.32	-0.53
12,626.00	90.80	179.70	10,710.29	-1,947.54	612.05	1,952.91	1.92	1.06	-1.60
12,720.00	89.40	179.70	10,710.13	-2,041.53	612.55	2,046.90	1.49	-1.49	0.00
12,815.00	90.50	179.80	10,710.21	-2,136.53	612.96	2,141.90	1.16	1.16	0.11
12,909.00	89.10	180.90	10,710.54	-2,230.52	612.39	2,235.89	1.89	-1.49	1.17
13,004.00	88.10	182.00	10,712.86	-2,325.46	609.98	2,330.80	1.56	-1.05	1.16
13,097.00	89.40	181.90	10,714.89	-2,418.38	606.82	2,423.69	1.40	1.40	-0.11
13,191.00	90.90	181.90	10,714.65	-2,512.33	603.70	2,517.60	1.60	1.60	0.00
13,285.00	89.70	180.40	10,714.15	-2,606.30	601.82	2,611.56	2.04	-1.28	-1.60
13,379.00	87.30	179.50	10,716.61	-2,700.26	601.90	2,705.51	2.73	-2.55	-0.96
13,474.00	88.50	179.40	10,720.09	-2,795.19	602.81	2,800.45	1.27	1.26	-0.11
13,568.00	89.70	178.90	10,721.57	-2,889.17	604.20	2,894.43	1.38	1.28	-0.53
13,662.00	91.20	178.50	10,720.83	-2,983.14	606.34	2,988.42	1.65	1.60	-0.43
13,757.00	91.00	180.00	10,719.01	-3,078.11	607.58	3,083.40	1.59	-0.21	1.58
13,851.00	89.50	181.10	10,718.60	-3,172.10	606.68	3,177.38	1.98	-1.60	1.17
13,945.00	88.60	181.70	10,720.16	-3,266.06	604.38	3,271.31	1.15	-0.96	0.64
14,040.00	89.20	181.80	10,721.98	-3,361.00	601.48	3,366.22	0.64	0.63	0.11
14,133.00	89.50	181.40	10,723.04	-3,453.96	598.88	3,459.15	0.54	0.32	-0.43
14,227.00	87.00	179.80	10,725.91	-3,547.90	597.90	3,553.08	3.16	-2.66	-1.70
14,322.00	86.20	178.10	10,731.54	-3,642.71	599.64	3,647.90	1.97	-0.84	-1.79
14,416.00	87.50	177.80	10,736.71	-3,736.50	602.99	3,741.72	1.42	1.38	-0.32
14,511.00	88.70	177.40	10,739.86	-3,831.37	606.97	3,836.62	1.33	1.26	-0.42
14,605.00	89.90	177.00	10,741.00	-3,925.25	611.56	3,930.53	1.35	1.28	-0.43
14,698.00	91.20	176.10	10,740.11	-4,018.07	617.16	4,023.40	1.70	1.40	-0.97
14,793.00	90.60	178.90	10,738.62	-4,112.96	621.30	4,118.33	3.01	-0.63	2.95
14,887.00	89.00	179.40	10,738.95	-4,206.94	622.70	4,212.32	1.78	-1.70	0.53
14,982.00	87.40	180.20	10,741.93	-4,301.89	623.03	4,307.27	1.88	-1.68	0.84
15,076.00	88.80	180.00	10,745.05	-4,395.84	622.86	4,401.21	1.50	1.49	-0.21
15,170.00	90.10	179.80	10,745.95	-4,489.83	623.03	4,495.20	1.40	1.38	-0.21
15,265.00	91.40	179.50	10,744.71	-4,584.82	623.61	4,590.19	1.40	1.37	-0.32
15,359.00	92.70	179.10	10,741.34	-4,678.75	624.75	4,684.13	1.45	1.38	-0.43
Final Phoenix MWD Survey									
15,464.00	92.70	179.10	10,736.40	-4,783.62	626.40	4,789.01	0.00	0.00	0.00
Projection to TD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
5,946.00	5,945.52	17.07	3.25	First Phoenix MWD Survey
15,359.00	10,741.34	-4,678.75	624.75	Final Phoenix MWD Survey
15,464.00	10,736.40	-4,783.62	626.40	Projection to TD

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #134H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	GL3825+KB22.5 @ 3847.50usft (Patterson 262)
Site:	Cimarron 16-19S-34E	**MD Reference:**	GL3825+KB22.5 @ 3847.50usft (Patterson 262)
Well:	#134H	**North Reference:**	Grid
Wellbore:	Wellbore #1 Job #1512985	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (Patterson 262)	**Database:**	Compass 5000 GCR

Checked By: _____ Approved By: _____ Date: _____