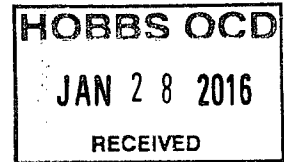




**PHOENIX  
TECHNOLOGY SERVICES**

November 18, 2015

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



Re: Matador Resources  
Hibiscus 08-19S-35E RN State Com 124H  
Lea Co., New Mexico  
API #30-025-42502  
Job No. 1514010

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	
Seth Mollerup	124H	3,769	15,124	10/15/15	10/28/15	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

**Phoenix Technology Services  
SURVEY DATA CERTIFICATION**



PHOENIX JOB NUMBER

1514010

ENERGY COMPANY

Matador Resources

WELL NAME

Hibiscus 08-19S-35E RN State Com 124H

COUNTY & STATE

Lea County, New Mexico

API WELL NUMBER

30-025-42502

PROPOSED DIRECTION

179.53°

TIE-IN DATA						
MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
3,433.5 ft	3,433.29 ft	2.02°	50.10°	2.81 ft	14.37 ft	Gyro

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
15-Oct-15	3,769.00 ft	1.90°	0.30°

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
28-Oct-15	15,124.00 ft	93.5°	176.3°

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
28-Oct-15	15,187.00 ft	93.5°	176.3°

SURVEY INSTRUMENT TYPE
Phoenix MWD

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

Seth Mollerup

PRINT YOUR NAME ABOVE

*Seth Mollerup*

SIGN YOUR NAME ABOVE

**MAGNETIC DECLINATION OR TOTAL GRID**

TOTAL CORRECTION USED	6.38
DECLINATION OR GRID	GRID

10/28/2015

TODAY'S DATE

MWD SUPERVISOR 1

Seth Mollerup

DIRECTIONAL DRILLER 1

Dustin Barnett

MWD SUPERVISOR 2

Shane King

DIRECTIONAL DRILLER 2

Kevin Ho

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



## **Matador Resources**

**Lea County, NM (NAD 27)  
Hibiscus 08-19S-35E RN State Com  
124H**

**OH / Job 1514010**

**Survey: Phoenix MWD Surveys**

## **Standard Survey Report**

**30 October, 2015**





# Phoenix Technology Services LP

## Survey Report



<b>Company:</b>	Matador Resources	<b>Local Co-ordinate Reference:</b>	Well 124H
<b>Project:</b>	Lea County, NM (NAD 27)	<b>TVD Reference:</b>	RKB @ 3876.50usft (Patterson 297)
<b>Site:</b>	Hibiscus 08-19S-35E RN State Com	<b>MD Reference:</b>	RKB @ 3876.50usft (Patterson 297)
<b>Well:</b>	124H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH / Job 1514010	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys (Patterson 297)	<b>Database:</b>	Compass 5000 GCR

<b>Project</b>	Lea County, NM (NAD 27)
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<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	New Mexico East 3001		

<b>Site</b>	Hibiscus 08-19S-35E RN State Com
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<b>Site Position:</b>		<b>Northing:</b>	613,202.26 usft	<b>Latitude:</b>	32° 40' 58.19818 N
<b>From:</b>	Map	<b>Easting:</b>	765,126.31 usft	<b>Longitude:</b>	103° 28' 17.90109 W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.47 °

<b>Well</b>	124H
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<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	613,202.26 usft	<b>Latitude:</b>	32° 40' 58.19818 N
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	765,126.31 usft	<b>Longitude:</b>	103° 28' 17.90108 W
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	0.00 usft	<b>Ground Level:</b>	3,849.00 usft

<b>Wellbore</b>	OH / Job 1514010
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	10/7/2015	6.85	60.73	48,455

<b>Design</b>	Surveys (Patterson 297)
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<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.53

<b>Survey Program</b>	Date	10/30/2015
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From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
64.62	3,433.50	VES Gyro Surveys (OH / Job 1514010)	NS-GYRO-MS	North sensing gyrocompassing m/s
3,433.50	15,187.00	Phoenix MWD Surveys (OH / Job 1514010)	PHX+MWD+HDGM	PHX+OWSG MWD + HDGM

<b>Survey</b>	
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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)	
3,433.50	2.02	50.10	3,433.29	2.81	14.37	-2.70	0.00	0.00	0.00	
<b>Tie-in to VES Gyros</b>										
3,769.00	1.90	0.30	3,768.61	12.17	18.94	-12.01	0.49	-0.04	-14.84	
<b>First Phoenix Survey</b>										
3,956.00	1.50	20.00	3,955.53	17.57	19.79	-17.41	0.38	-0.21	10.53	
4,143.00	1.40	28.50	4,142.47	21.88	21.72	-21.70	0.13	-0.05	4.55	
4,331.00	1.20	28.70	4,330.43	25.62	23.76	-25.43	0.11	-0.11	0.11	
4,518.00	1.30	31.20	4,517.38	29.15	25.80	-28.94	0.06	0.05	1.34	
4,705.00	1.30	42.70	4,704.33	32.53	28.34	-32.29	0.14	0.00	6.15	



# Phoenix Technology Services LP

## Survey Report



<b>Company:</b>	Matador Resources	<b>Local Co-ordinate Reference:</b>	Well 124H
<b>Project:</b>	Lea County, NM (NAD 27)	<b>TVD Reference:</b>	RKB @ 3876.50usft (Patterson 297)
<b>Site:</b>	Hibiscus 08-19S-35E RN State Com	<b>MD Reference:</b>	RKB @ 3876.50usft (Patterson 297)
<b>Well:</b>	124H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH / Job 1514010	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys (Patterson 297)	<b>Database:</b>	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)
4,893.00	1.30	50.00	4,892.28	35.47	31.42	-35.21	0.09	0.00	3.88
5,080.00	1.10	43.80	5,079.24	38.12	34.28	-37.84	0.13	-0.11	-3.32
5,267.00	1.20	40.10	5,266.21	40.92	36.79	-40.61	0.07	0.05	-1.98
5,455.00	1.50	45.90	5,454.15	44.14	39.82	-43.81	0.18	0.16	3.09
5,642.00	1.60	59.20	5,641.09	47.18	43.82	-46.81	0.20	0.05	7.11
5,830.00	1.70	67.80	5,829.01	49.57	48.66	-49.17	0.14	0.05	4.57
6,017.00	2.00	48.00	6,015.91	52.81	53.65	-52.36	0.38	0.16	-10.59
6,297.00	1.20	64.00	6,295.80	57.36	59.92	-56.87	0.32	-0.29	5.71
6,485.00	0.80	76.30	6,483.77	58.53	62.96	-58.02	0.24	-0.21	6.54
6,672.00	0.80	66.50	6,670.76	59.36	65.43	-58.82	0.07	0.00	-5.24
6,859.00	1.00	17.10	6,857.74	61.44	67.11	-60.89	0.41	0.11	-26.42
7,047.00	1.80	357.60	7,045.68	65.96	67.46	-65.41	0.49	0.43	-10.37
7,234.00	2.40	352.40	7,232.55	72.78	66.82	-72.23	0.34	0.32	-2.78
7,421.00	2.30	350.00	7,419.39	80.35	65.65	-79.81	0.08	-0.05	-1.28
7,608.00	2.10	325.60	7,606.26	86.88	63.07	-86.36	0.51	-0.11	-13.05
7,796.00	2.60	318.80	7,794.10	92.93	58.31	-92.45	0.30	0.27	-3.62
7,983.00	2.50	4.60	7,980.94	100.18	55.85	-99.72	1.06	-0.05	24.49
8,171.00	4.00	343.70	8,168.63	110.57	54.33	-110.12	1.00	0.80	-11.12
8,358.00	4.70	342.70	8,355.09	124.14	50.22	-123.72	0.38	0.37	-0.53
8,545.00	2.50	84.20	8,541.85	131.87	52.01	-131.44	3.07	-1.18	54.28
8,733.00	2.50	98.50	8,729.67	131.68	60.14	-131.18	0.33	0.00	7.61
8,823.00	1.40	162.10	8,819.63	130.35	62.42	-129.83	2.51	-1.22	70.67
8,916.00	0.90	159.60	8,912.61	128.58	63.02	-128.06	0.54	-0.54	-2.69
9,010.00	0.30	122.50	9,006.60	127.76	63.49	-127.23	0.73	-0.64	-39.47
9,103.00	0.50	43.80	9,099.60	127.92	63.97	-127.39	0.57	0.22	-84.62
9,197.00	1.00	15.60	9,193.59	129.00	64.48	-128.47	0.65	0.53	-30.00
9,290.00	1.30	347.30	9,286.57	130.81	64.47	-130.28	0.68	0.32	-30.43
9,384.00	1.60	334.40	9,380.54	133.04	63.66	-132.51	0.47	0.32	-13.72
9,406.00	1.70	312.40	9,402.54	133.54	63.29	-133.01	2.90	0.45	-100.00
9,474.00	0.60	324.50	9,470.52	134.51	62.34	-133.99	1.65	-1.62	17.79
9,505.00	4.30	182.40	9,501.49	133.48	62.20	-132.96	15.44	11.94	-458.39
9,536.00	7.60	166.90	9,532.32	130.32	62.61	-129.80	11.75	10.65	-50.00
9,567.00	10.80	173.00	9,562.92	125.44	63.43	-124.91	10.78	10.32	19.68
9,599.00	12.80	176.80	9,594.25	118.92	63.99	-118.39	6.70	6.25	11.88
9,630.00	16.90	177.10	9,624.20	110.99	64.41	-110.46	13.23	13.23	0.97
9,661.00	20.40	180.00	9,653.57	101.08	64.64	-100.55	11.68	11.29	9.35
9,692.00	24.80	182.70	9,682.19	89.18	64.34	-88.65	14.58	14.19	8.71
9,723.00	28.80	184.50	9,709.85	75.23	63.44	-74.71	13.16	12.90	5.81
9,754.00	32.50	184.60	9,736.51	59.48	62.19	-58.97	11.94	11.94	0.32
9,785.00	36.30	184.90	9,762.09	42.03	60.74	-41.53	12.27	12.26	0.97
9,817.00	39.40	185.10	9,787.35	22.47	59.02	-21.99	9.70	9.69	0.63
9,848.00	42.50	184.60	9,810.76	2.23	57.31	-1.76	10.06	10.00	-1.61
9,879.00	44.90	183.70	9,833.17	-19.13	55.76	19.58	8.00	7.74	-2.90



# Phoenix Technology Services LP

## Survey Report



<b>Company:</b>	Matador Resources	<b>Local Co-ordinate Reference:</b>	Well 124H
<b>Project:</b>	Lea County, NM (NAD 27)	<b>TVD Reference:</b>	RKB @ 3876.50usft (Patterson 297)
<b>Site:</b>	Hibiscus 08-19S-35E RN State Com	<b>MD Reference:</b>	RKB @ 3876.50usft (Patterson 297)
<b>Well:</b>	124H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH / Job 1514010	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys (Patterson 297)	<b>Database:</b>	Compass 5000 GCR

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)
9,910.00	47.70	182.70	9,854.59	-41.50	54.52	41.95	9.33	9.03	-3.23
9,942.00	49.60	184.00	9,875.73	-65.48	53.11	65.91	6.67	5.94	4.06
9,973.00	50.60	185.40	9,895.62	-89.18	51.16	89.60	4.73	3.23	4.52
10,004.00	52.40	186.90	9,914.91	-113.30	48.56	113.69	6.93	5.81	4.84
10,035.00	55.00	187.20	9,933.26	-138.09	45.49	138.46	8.42	8.39	0.97
10,063.00	58.50	186.50	9,948.61	-161.34	42.70	161.68	12.67	12.50	-2.50
10,094.00	60.50	185.20	9,964.35	-187.91	39.98	188.23	7.39	6.45	-4.19
10,125.00	62.80	185.90	9,979.07	-215.06	37.34	215.36	7.68	7.42	2.26
10,157.00	65.70	186.60	9,992.97	-243.71	34.20	243.98	9.27	9.06	2.19
10,188.00	68.80	186.80	10,004.96	-272.10	30.86	272.34	10.02	10.00	0.65
10,219.00	71.60	186.60	10,015.46	-301.06	27.46	301.28	9.05	9.03	-0.65
10,250.00	74.40	186.60	10,024.52	-330.51	24.06	330.69	9.03	9.03	0.00
10,282.00	75.40	186.50	10,032.85	-361.20	20.53	361.36	3.14	3.13	-0.31
10,313.00	76.20	186.30	10,040.46	-391.07	17.18	391.19	2.66	2.58	-0.65
10,344.00	76.60	186.00	10,047.75	-421.02	13.95	421.12	1.60	1.29	-0.97
10,375.00	77.30	185.40	10,054.75	-451.07	10.95	451.15	2.94	2.26	-1.94
10,407.00	78.10	185.10	10,061.56	-482.21	8.09	482.26	2.66	2.50	-0.94
10,438.00	79.00	184.40	10,067.72	-512.48	5.58	512.51	3.65	2.90	-2.26
10,469.00	80.00	184.10	10,073.37	-542.88	3.32	542.89	3.36	3.23	-0.97
10,500.00	80.00	184.60	10,078.75	-573.32	1.00	573.31	1.59	0.00	1.61
10,531.00	79.80	184.70	10,084.19	-603.74	-1.47	603.71	0.72	-0.65	0.32
10,576.00	80.00	184.80	10,092.08	-647.89	-5.14	647.83	0.50	0.44	0.22
10,625.00	81.40	184.90	10,100.00	-696.07	-9.23	695.97	2.86	2.86	0.20
10,656.00	81.60	185.00	10,104.58	-726.62	-11.87	726.50	0.72	0.65	0.32
10,719.00	81.60	185.00	10,113.78	-788.71	-17.30	788.54	0.00	0.00	0.00
10,750.00	80.80	184.80	10,118.52	-819.23	-19.92	819.04	2.66	-2.58	-0.65
10,812.00	80.20	185.90	10,128.76	-880.11	-25.62	879.87	2.00	-0.97	1.77
10,843.00	81.60	185.90	10,133.66	-910.56	-28.77	910.29	4.52	4.52	0.00
10,906.00	81.50	186.00	10,142.92	-972.54	-35.23	972.22	0.22	-0.16	0.16
10,937.00	82.70	186.20	10,147.18	-1,003.07	-38.49	1,002.72	3.92	3.87	0.65
10,968.00	82.80	186.20	10,151.09	-1,033.64	-41.81	1,033.26	0.32	0.32	0.00
10,999.00	84.60	184.60	10,154.49	-1,064.32	-44.71	1,063.91	7.75	5.81	-5.16
11,030.00	86.80	182.90	10,156.82	-1,095.16	-46.73	1,094.74	8.96	7.10	-5.48
11,093.00	88.30	183.20	10,159.51	-1,158.01	-50.08	1,157.56	2.43	2.38	0.48
11,206.00	88.50	179.60	10,162.67	-1,270.91	-52.84	1,270.44	3.19	0.18	-3.19
11,300.00	90.50	177.60	10,163.49	-1,364.87	-50.54	1,364.41	3.01	2.13	-2.13
11,393.00	91.90	177.10	10,161.54	-1,457.75	-46.25	1,457.32	1.60	1.51	-0.54
11,487.00	91.40	176.50	10,158.83	-1,551.56	-41.00	1,551.18	0.83	-0.53	-0.64
11,581.00	90.30	177.60	10,157.44	-1,645.43	-36.16	1,645.07	1.65	-1.17	1.17
11,674.00	87.80	178.60	10,158.98	-1,738.35	-33.08	1,738.02	2.90	-2.69	1.08
11,768.00	87.50	179.00	10,162.83	-1,832.25	-31.11	1,831.94	0.53	-0.32	0.43
11,861.00	89.00	179.40	10,165.67	-1,925.20	-29.82	1,924.89	1.67	1.61	0.43
11,955.00	90.30	178.90	10,166.25	-2,019.18	-28.42	2,018.88	1.48	1.38	-0.53
12,048.00	91.90	178.70	10,164.46	-2,112.14	-26.47	2,111.86	1.73	1.72	-0.22



# Phoenix Technology Services LP

## Survey Report



<b>Company:</b>	Matador Resources	<b>Local Co-ordinate Reference:</b>	Well 124H
<b>Project:</b>	Lea County, NM (NAD 27)	<b>TVD Reference:</b>	RKB @ 3876.50usft (Patterson 297)
<b>Site:</b>	Hibiscus 08-19S-35E RN State Com	<b>MD Reference:</b>	RKB @ 3876.50usft (Patterson 297)
<b>Well:</b>	124H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH / Job 1514010	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys (Patterson 297)	<b>Database:</b>	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)
12,142.00	90.50	179.40	10,162.49	-2,206.11	-24.92	2,205.83	1.67	-1.49	0.74
12,236.00	90.80	178.90	10,161.43	-2,300.09	-23.52	2,299.82	0.62	0.32	-0.53
12,329.00	90.80	180.20	10,160.13	-2,393.08	-22.79	2,392.81	1.40	0.00	1.40
12,423.00	90.60	180.70	10,158.98	-2,487.07	-23.53	2,486.79	0.57	-0.21	0.53
12,517.00	88.80	180.80	10,159.47	-2,581.05	-24.76	2,580.76	1.92	-1.91	0.11
12,610.00	88.70	180.80	10,161.50	-2,674.02	-26.06	2,673.72	0.11	-0.11	0.00
12,704.00	90.70	180.70	10,161.99	-2,768.01	-27.29	2,767.69	2.13	2.13	-0.11
12,798.00	88.60	180.90	10,162.57	-2,861.99	-28.60	2,861.66	2.24	-2.23	0.21
12,891.00	87.70	181.60	10,165.57	-2,954.92	-30.63	2,954.57	1.23	-0.97	0.75
12,985.00	89.30	181.00	10,168.03	-3,048.86	-32.76	3,048.49	1.82	1.70	-0.64
13,078.00	91.00	180.50	10,167.79	-3,141.85	-33.98	3,141.46	1.91	1.83	-0.54
13,172.00	89.60	179.70	10,167.30	-3,235.84	-34.14	3,235.45	1.72	-1.49	-0.85
13,266.00	88.90	179.70	10,168.53	-3,329.83	-33.65	3,329.44	0.74	-0.74	0.00
13,359.00	90.90	179.80	10,168.69	-3,422.83	-33.24	3,422.44	2.15	2.15	0.11
13,453.00	89.80	179.20	10,168.11	-3,516.82	-32.42	3,516.44	1.33	-1.17	-0.64
13,547.00	88.70	178.60	10,169.35	-3,610.79	-30.62	3,610.42	1.33	-1.17	-0.64
13,640.00	88.40	178.60	10,171.70	-3,703.73	-28.35	3,703.38	0.32	-0.32	0.00
13,734.00	89.50	177.90	10,173.42	-3,797.67	-25.48	3,797.34	1.39	1.17	-0.74
13,827.00	85.30	178.10	10,177.64	-3,890.50	-22.24	3,890.19	4.52	-4.52	0.22
13,921.00	85.20	178.70	10,185.42	-3,984.14	-19.62	3,983.85	0.64	-0.11	0.64
14,014.00	86.40	178.50	10,192.23	-4,076.86	-17.35	4,076.58	1.31	1.29	-0.22
14,108.00	88.40	178.50	10,196.50	-4,170.73	-14.90	4,170.46	2.13	2.13	0.00
14,201.00	91.40	177.80	10,196.66	-4,263.67	-11.89	4,263.43	3.31	3.23	-0.75
14,295.00	93.70	177.10	10,192.48	-4,357.47	-7.72	4,357.26	2.56	2.45	-0.74
14,389.00	92.50	176.40	10,187.39	-4,451.18	-2.40	4,451.01	1.48	-1.28	-0.74
14,482.00	89.20	177.60	10,186.02	-4,544.03	2.47	4,543.90	3.78	-3.55	1.29
14,576.00	89.40	178.10	10,187.16	-4,637.96	6.00	4,637.85	0.57	0.21	0.53
14,669.00	88.20	178.70	10,189.11	-4,730.90	8.59	4,730.81	1.44	-1.29	0.65
14,763.00	88.00	178.00	10,192.23	-4,824.81	11.30	4,824.74	0.77	-0.21	-0.74
14,856.00	89.20	177.60	10,194.50	-4,917.71	14.87	4,917.67	1.36	1.29	-0.43
14,950.00	90.50	177.20	10,194.75	-5,011.61	19.13	5,011.60	1.45	1.38	-0.43
15,044.00	92.10	177.20	10,192.61	-5,105.47	23.72	5,105.49	1.70	1.70	0.00
15,124.00	93.50	176.30	10,188.71	-5,185.24	28.25	5,185.30	2.08	1.75	-1.13
<b>Final Phoenix Survey</b>									
15,187.00	93.50	176.30	10,184.86	-5,248.00	32.31	5,248.08	0.00	0.00	0.00
<b>Projection to TD</b>									



**Phoenix Technology Services LP**  
Survey Report



<b>Company:</b>	Matador Resources	<b>Local Co-ordinate Reference:</b>	Well 124H
<b>Project:</b>	Lea County, NM (NAD 27)	<b>TVD Reference:</b>	RKB @ 3876.50usft (Patterson 297)
<b>Site:</b>	Hibiscus 08-19S-35E RN State Com	<b>MD Reference:</b>	RKB @ 3876.50usft (Patterson 297)
<b>Well:</b>	124H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH / Job 1514010	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys (Patterson 297)	<b>Database:</b>	Compass 5000 GCR

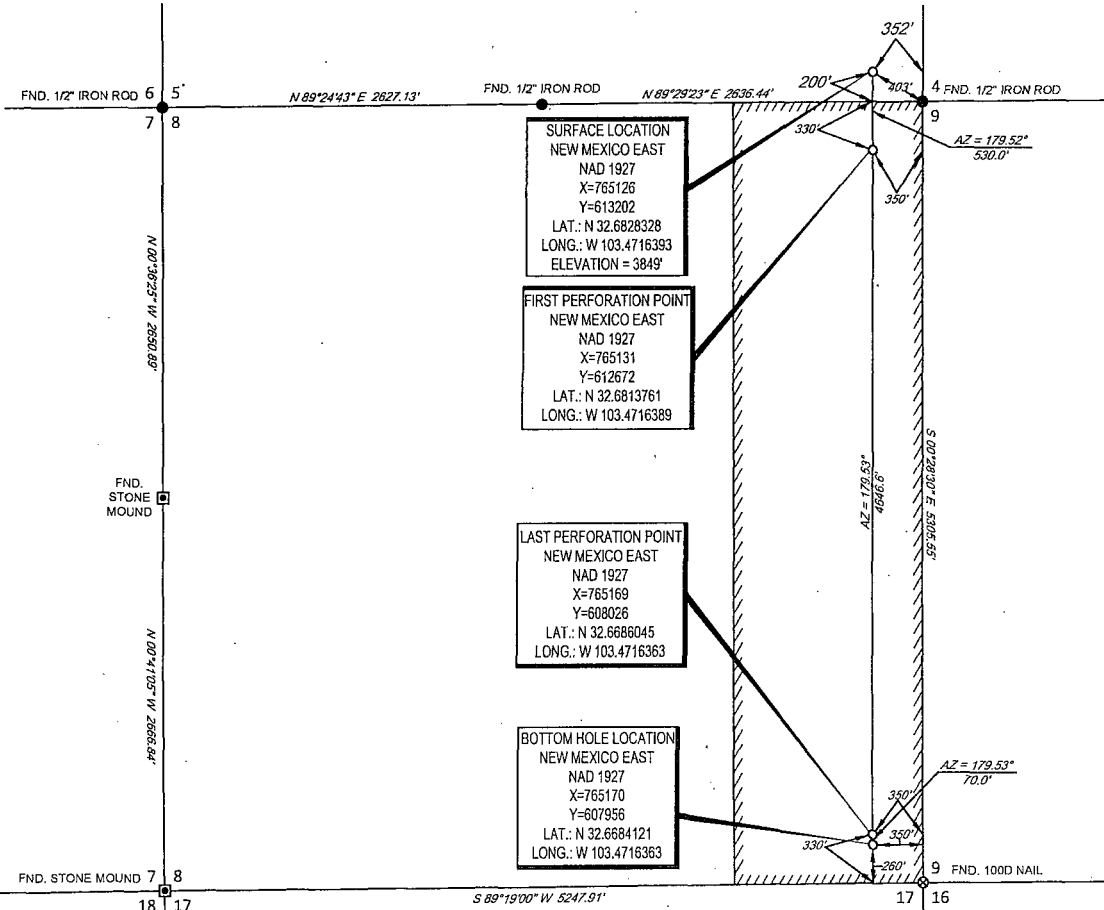
Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,433.50	3,433.29	2.81	14.37	Tie-in to VES Gyros
3,769.00	3,768.61	12.17	18.94	First Phoenix Survey
15,124.00	10,188.71	-5,185.24	28.26	Final Phoenix Survey
15,187.00	10,184.86	-5,248.00	32.31	Projection to TD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

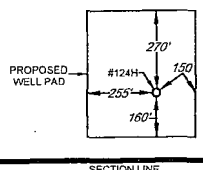




SECTION 5, TOWNSHIP 19 SOUTH, RANGE 35 EAST, N.M.P.M.  
LEA COUNTY, NEW MEXICO



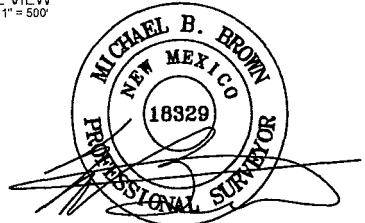
SCALE: 1" = 1000'  
0' 500' 1000'



DETAIL VIEW  
SCALE: 1" = 500'

LEASE NAME & WELL NO.: HIBISCUS STATE COM 08-19S-35E RN #124  
SECTION 5 TWP 19-S RGE 35-E SURVEY N.M.P.M.  
COUNTY LEA STATE NM  
DESCRIPTION 200' FSL & 352' FEL

DISTANCE & DIRECTION FROM INT. OF NM-529 & NM-238 GO WEST ON NM-529 ±2.7 MILES, THENCE SOUTH (RIGHT) ON PEARL VALLEY RD. ±1.0 MILES TO A POINT ±200 FEET EAST OF THE LOCATION.



Michael Blake Brown, P.S. No. 18329  
MARCH 19, 2015

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE OF THE NORTH AMERICAN DATUM 1927, U.S. SURVEY FEET

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

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