

Results of Directional Survey

API number:	30-025-41889		
OGRID:		Operator:	MATADOR PRODUCTION COMPANY
		Property:	JIM ROLFE 22 18 34 RN STATE # 131H

surface	ULSTR:	M	22	T	18S	R	34E
				182	FSL	378	FWL

BH Loc	ULSTR:	D	22	T	18S	R	34E
14843	MD	9999.6	TVD	262	FNL	284	FWL
5018 FSL							

Top Perf/OH	ULSTR:						

Bot Perf/OH	ULSTR:						

	MD	N/S	E/W	VD
TOP PERFS/OH				
BOT PERFS/OH				

NEXT TO LAST	14774.7	4768.80	-87.46	10006.40
LAST READING	14843	4836.48	-93.62	9999.62
TD	14843	4836.48	-93.62	9999.62

Surface Location	182	FS	378	FW
Projected BHL	5018	FS	284	FW
Location of				
Top Perfs/OH	182	FS	378	FW
Bottom Perfs/OH	182	FS	378	FW

SUMMARY of Subsurface Locations

Surface Location	M-22-18S-34E	182	FS	378	FW	Vert. Depth
Top Perfs/OH	M-22-18S-34E	182	FS	378	FW	0.00
Bottom Perfs/OH	D-22-18S-34E	182	FS	378	FW	0.00
Projected TD	D-22-18S-34E	5018	FS	284	FW	9999.62

OCT 28 2014



PHOENIX
TECHNOLOGY SERVICES

September 24, 2014

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

HOBBS OCD

OCT 17 2014

Re: Matador Resources
Jim Rolfe 22-18S-34E RN State #131H (WB1)
Lea Co., New Mexico
API #30-025-41889
Job No. 1411024

RECEIVED

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	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
James Finlayson	131H	10.942	11,257	07/22/14	07/24/14	MWD

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

Best Regards,

Dana Robinson

Dana Robinson
Operations Administrator



PHOENIX
TECHNOLOGY SERVICES

September 24, 2014

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

HOBBS OCD

Dear District 1 - Hobbs

OCT 17 2014

Re: Matador Resources
Jim Rolfe 22-18S-34E RN State #131H (WB1)
Lea Co., New Mexico
API #30-025-41889
Job No. 1411024

RECEIVED

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	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
James Finlayson	131H	10.942	11,257	07/22/14	07/24/14	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,

Dana Robinson

Dana Robinson
Operations Administrator

Certified mail receipt number: 7011 1570 0001 4365 2414

Phoenix Technology Services SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER

1411024

OPERATOR

Matador Resources

WELL NAME

Jim Rolfe 22-18S-34E RN State #131H

COUNTY & STATE

Lea, New Mexico

API WELL NUMBER

30-025-41889

PROPOSED DIRECTION

359.48

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
10,934.69	10,931.52 ft	2.17	47.9 ft	43.03 ft	39.04 ft	gyro

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
22-Jul-14	10,942 ft	2.1	49.0

SURVEY INSTRUMENT
TYPE

Phoenix MWD

HOBBS OCD

OCT 17 2014

RECEIVED

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
24-Jul-14	11,257 ft	16.2	348.7

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
24-Jul-14	11,313 ft	20.36	351

James Finlayson

PRINT YOUR NAME ABOVE

James Finlayson

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	
6.93	
DECLINATION OR GRID	GRID

7-24-14

TODAY'S DATE

MWD SUPERVISOR 1

James Finlayson

DIRECTIONAL DRILLER 1

Van Johnson

MWD SUPERVISOR 2

Ian Benedetti

DIRECTIONAL DRILLER 2

Hicham Chaara

1805 Brittmore Road

Houston, Texas 77043

(713)3370609 (Voice), (713)337-0599 (Fax)

Matador Resources

Lea County, NM (NAD 27)

Jim Rolfe 22-18-34E RN State

#131H

Wellbore #1 Job #1411024

Survey: Phoenix MWD Surveys

Standard Survey Report

18 September, 2014

HOBBS OCD

OCT 17 2014

RECEIVED

Survey Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well #131H
Project:	Lea County, NM (NAD 27)	TVD Reference:	KB: 25' @ 4043.00usft (Patterson 203)
Site:	Jim Rolfe 22-18-34E RN State	MD Reference:	KB: 25' @ 4043.00usft (Patterson 203)
Well:	#131H	North Reference:	Grid
Wellbore:	Wellbore #1 Job #1411024	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 203)	Database:	GCR DB v5000

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		Jim Rolfe 22-18-34E RN State			
Site Position:		Northing:	628,834.99 usft	Latitude:	32° 43' 34.85047 N
From:	Map	Easting:	739,345.00 usft	Longitude:	103° 33' 18.18651 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	#131H					
Well Position	+N/-S	0.00 usft	Northing:	628,834.99 usft	Latitude:	32° 43' 34.85047 N
	+E/-W	0.00 usft	Easting:	739,345.00 usft	Longitude:	103° 33' 18.18651 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	4,018.00 usft

Wellbore	Wellbore #1 Job #1411024				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	07/21/14	7.35	60.56	48,582

Design	Surveys (Patterson 203)				
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	359.48	

Survey Program	Date 09/02/14				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
90.66	10,934.69	Gyro Surveys (Wellbore #1 Job #1411024)	NS-GYRO-MS	North sensing gyrocompassing m/s	
10,942.00	11,313.00	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)	
10,934.69	2.17	47.94	10,931.52	43.03	39.04	42.68	0.00	0.00	0.00	
Tie In to Gyro Surveys										
10,942.00	2.10	49.00	10,938.83	43.21	39.24	42.86	1.10	-0.96	14.50	
11,037.00	2.20	59.00	11,033.76	45.29	42.12	44.91	0.41	0.11	10.53	
11,100.00	3.60	337.70	11,096.70	47.75	42.40	47.36	6.23	2.22	-129.05	
11,131.00	5.90	334.00	11,127.59	50.08	41.33	49.70	7.48	7.42	-11.94	
11,162.00	9.00	338.70	11,158.32	53.77	39.75	53.41	10.18	10.00	15.16	
11,194.00	11.90	341.50	11,189.79	59.23	37.80	58.89	9.20	9.06	8.75	
11,225.00	14.10	345.40	11,220.00	65.92	35.83	65.59	7.64	7.10	12.58	
11,257.00	16.20	348.70	11,250.88	74.07	33.97	73.76	7.09	6.56	10.31	

Survey Report

Company: Matador Resources
Project: Lea County, NM (NAD 27)
Site: Jim Rolfe 22-18-34E RN State
Well: #131H
Wellbore: Wellbore #1 Job #1411024
Design: Surveys (Patterson 203)

Local Co-ordinate Reference: Well #131H
TVD Reference: KB: 25' @ 4043.00usft (Patterson 203)
MD Reference: KB: 25' @ 4043.00usft (Patterson 203)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

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)
11,313.00	20.36	351.00	11,304.04	91.36	30.92	91.08	7.54	7.43	4.11
WB1 Projection to TD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,934.69	10,931.52	43.03	39.04	Tie In to Gyro Surveys
11,313.00	11,304.04	91.36	30.92	WB1 Projection to TD

Checked By: _____ Approved By: _____ Date: _____



PHOENIX
TECHNOLOGY SERVICES

September 24, 2014

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

Re: Matador Resources
Jim Rolfe 22-18S-34E RN State #131H (WB2)
Lea Co., New Mexico
API #30-025-41889
Job No. 1411024

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	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
James Finlayson	131H	8,859	14,721	07/30/14	08/12/14	MWD

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

Best Regards,

Dana Robinson

Dana Robinson
Operations Administrator



PHOENIX
TECHNOLOGY SERVICES

September 24, 2014

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

Dear District 1 - Hobbs

Re: Matador Resources
Jim Rolfe 22-18S-34E RN State #131H (WB2)
Lea Co., New Mexico
API #30-025-41889
Job No. 1411024

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	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
James Finlayson	131H	8,859	14,721	07/30/14	08/12/14	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,

Dana Robinson

Dana Robinson
Operations Administrator

Certified mail receipt number: 7011 1570 0001 4365 2414

Phoenix Technology Services SURVEY DATA CERTIFICATION



PHOENIX
TECHNOLOGY SERVICES

PHOENIX JOB NUMBER

1411024

OPERATOR

Matador Resources

WELL NAME

Jim Rolfe 22-18S-34E RN/State #131H

COUNTY & STATE

Lea, New Mexico

API WELL NUMBER

30-025-41889

PROPOSED DIRECTION

359.48

TIE-IN DATA						
MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
8,801.33 ft	8,798.81 ft	1.66 ft	6.43 ft	-28 ft	28.14 ft	gyro

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
30-Jul-14	8,859 ft	0.4	26.8

SURVEY INSTRUMENT
TYPE

Phoenix MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
12-Aug-14	14,721 ft	95.7	354.8

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
31-Jul-14	14,843 ft	95.7	354.8

James Finlayson

PRINT YOUR NAME ABOVE

Jim Rolfe

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	GRID
6.93	
DECLINATION OR GRID	GRID

7-31-14

TODAY'S DATE

MWD SUPERVISOR 1

James Finlayson

DIRECTIONAL DRILLER 1

Van Johnson

MWD SUPERVISOR 2

Ian Benedetti

DIRECTIONAL DRILLER 2

Hicham Chaara

1805 Brittmore Road

Houston, Texas 77043

(713)3370609 (Voice), (713)337-0599 (Fax)

Matador Resources

Lea County, NM (NAD 27)

Jim Rolfe 22-18-34E RN State

#131H

Wellbore #2 Job #1411024

Survey: Phoenix MWD Surveys

Standard Survey Report

18 September, 2014

HOBBS OCD

OCT 17 2014

RECEIVED

Survey Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well #131H
Project:	Lea County, NM (NAD 27)	TVD Reference:	KB: 25' @ 4043.00usft (Patterson 203)
Site:	Jim Rolfe 22-18-34E RN State	MD Reference:	KB: 25' @ 4043.00usft (Patterson 203)
Well:	#131H	North Reference:	Grid
Wellbore:	Wellbore #2 Job #1411024	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 203)	Database:	GCR DB v5000

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	Jim Rolfe 22-18-34E RN State		
Site Position:		Northing:	628,834.99 usft
From:	Map	Easting:	739,345.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 43' 34.85047 N
		Longitude:	103° 33' 18.18651 W
		Grid Convergence:	0.42 °

Well	#131H		
Well Position	+N-S	0.00 usft	Northing: 628,834.99 usft
	+E-W	0.00 usft	Easting: 739,345.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 43' 34.85047 N
		Longitude:	103° 33' 18.18651 W
		Ground Level:	4,018.00 usft

Wellbore	Wellbore #2 Job #1411024				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	07/21/14	7.35	60.56	48,582

Design	Surveys (Patterson 203)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	8,801.33
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.48	

Survey Program	Date 09/02/14				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
90.66	8,801.33	Gyro Surveys (Wellbore #1 Job #1411024)	NS-GYRO-MS	North sensing gyrocompassing m/s	
8,859.00	14,843.00	Phoenix MWD Surveys (Wellbore #2 Job #1411024)	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)	
8,801.33	1.66	6.43	8,798.81	-0.28	28.14	-0.54	0.00	0.00	0.00	
Tie In to Gyro Surveys										
8,859.00	0.40	26.80	8,856.46	0.73	28.32	0.47	2.24	-2.18	35.32	
First Phoenix WB2 MWD Survey										
8,866.00	0.40	208.90	8,863.46	0.73	28.32	0.47	11.43	0.00	-2,541.43	
8,920.00	6.20	254.50	8,917.35	-0.21	25.42	-0.45	10.98	10.74	84.44	
8,952.00	6.90	254.40	8,949.15	-1.19	21.90	-1.39	2.19	2.19	-0.31	
9,046.00	5.60	253.00	9,042.58	-4.05	12.07	-4.16	1.39	-1.38	-1.49	
9,141.00	2.80	239.10	9,137.32	-6.60	5.65	-6.65	3.11	-2.95	-14.63	

Survey Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well #131H
Project:	Lea County, NM (NAD 27)	TVD Reference:	KB: 25' @ 4043.00usft (Patterson 203)
Site:	Jim Rolfe 22-18-34E RN State	MD Reference:	KB: 25' @ 4043.00usft (Patterson 203)
Well:	#131H	North Reference:	Grid
Wellbore:	Wellbore #2 Job #1411024	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 203)	Database:	GCR DB v5000

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)
9,235.00	2.70	240.50	9,231.21	-8.87	1.75	-8.89	0.13	-0.11	1.49
9,329.00	1.60	254.30	9,325.15	-10.32	-1.44	-10.30	1.29	-1.17	14.68
9,424.00	1.00	261.60	9,420.12	-10.80	-3.53	-10.76	0.65	-0.63	7.68
9,525.00	0.70	246.80	9,521.11	-11.17	-4.97	-11.12	0.37	-0.30	-14.65
9,556.00	1.60	332.10	9,552.11	-10.86	-5.35	-10.81	5.46	2.90	275.16
9,619.00	3.80	346.60	9,615.03	-8.05	-6.25	-7.99	3.63	3.49	23.02
9,651.00	6.10	350.70	9,646.91	-5.34	-6.77	-5.28	7.27	7.19	12.81
9,682.00	8.40	351.10	9,677.66	-1.48	-7.38	-1.41	7.42	7.42	1.29
9,714.00	10.50	351.60	9,709.23	3.72	-8.17	3.79	6.57	6.56	1.56
9,745.00	13.00	351.50	9,739.57	9.96	-9.10	10.04	8.06	8.06	-0.32
9,777.00	15.10	350.20	9,770.61	17.63	-10.34	17.72	6.64	6.56	-4.06
9,808.00	18.10	350.20	9,800.32	26.35	-11.85	26.46	9.68	9.68	0.00
9,840.00	21.10	350.80	9,830.46	36.94	-13.61	37.06	9.40	9.38	1.88
9,871.00	24.00	351.30	9,859.09	48.68	-15.46	48.82	9.38	9.35	1.61
9,903.00	25.90	354.50	9,888.10	62.07	-17.12	62.23	7.28	5.94	10.00
9,934.00	26.70	0.40	9,915.90	75.78	-17.72	75.94	8.81	2.58	19.03
9,966.00	28.30	5.40	9,944.29	90.52	-16.95	90.67	8.77	5.00	15.63
9,997.00	30.40	5.60	9,971.30	105.65	-15.49	105.78	6.78	6.77	0.65
10,029.00	32.80	3.50	9,998.56	122.36	-14.18	122.48	8.25	7.50	-6.56
10,060.00	35.90	1.90	10,024.15	139.83	-13.36	139.94	10.41	10.00	-5.16
10,091.00	38.90	359.90	10,048.77	158.65	-13.08	158.76	10.44	9.68	-6.45
10,123.00	41.70	357.90	10,073.18	179.34	-13.48	179.46	9.64	8.75	-6.25
10,154.00	44.00	357.00	10,095.90	200.40	-14.43	200.52	7.68	7.42	-2.90
10,192.00	48.20	357.20	10,122.25	227.74	-15.81	227.87	11.06	11.05	0.53
10,224.00	51.20	358.00	10,142.94	252.12	-16.83	252.26	9.57	9.38	2.50
10,255.00	54.00	358.40	10,161.77	276.73	-17.60	276.88	9.09	9.03	1.29
10,287.00	58.20	359.20	10,179.61	303.28	-18.15	303.43	13.29	13.13	2.50
10,318.00	62.00	359.80	10,195.06	330.15	-18.38	330.30	12.37	12.26	1.94
10,350.00	66.70	0.10	10,208.91	358.99	-18.41	359.14	14.71	14.69	0.94
10,381.00	73.80	1.20	10,219.38	388.14	-18.07	388.29	23.15	22.90	3.55
10,402.00	77.50	1.50	10,224.59	408.48	-17.59	408.62	17.67	17.62	1.43
10,433.00	82.80	2.60	10,229.89	438.99	-16.49	439.12	17.45	17.10	3.55
10,465.00	85.10	2.60	10,233.26	470.78	-15.05	470.89	7.19	7.19	0.00
10,528.00	88.70	1.70	10,236.67	533.63	-12.69	533.72	5.89	5.71	-1.43
10,559.00	89.50	1.60	10,237.15	564.61	-11.80	564.70	2.60	2.58	-0.32
10,622.00	90.60	1.10	10,237.10	627.59	-10.32	627.66	1.92	1.75	-0.79
10,716.00	92.10	1.10	10,234.88	721.55	-8.51	721.60	1.60	1.60	0.00
10,811.00	93.20	0.30	10,230.49	816.44	-7.35	816.47	1.43	1.16	-0.84
10,905.00	94.50	0.20	10,224.18	910.22	-6.94	910.25	1.39	1.38	-0.11
11,000.00	94.80	0.90	10,216.48	1,004.90	-6.03	1,004.92	0.80	0.32	0.74
11,094.00	91.60	1.70	10,211.23	1,098.72	-3.90	1,098.71	3.51	-3.40	0.85
11,189.00	92.20	2.00	10,208.08	1,193.62	-0.84	1,193.58	0.71	0.63	0.32
11,283.00	93.80	1.60	10,203.16	1,287.44	2.11	1,287.37	1.75	1.70	-0.43

Survey Report

Company: Matador Resources
Project: Lea County, NM (NAD 27)
Site: Jim Rolfe 22-18-34E RN State
Well: #131H
Wellbore: Wellbore #2 Job #1411024
Design: Surveys (Patterson 203)

Local Co-ordinate Reference: Well #131H
TVD Reference: KB: 25' @ 4043.00usft (Patterson 203)
MD Reference: KB: 25' @ 4043.00usft (Patterson 203)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

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)
11,377.00	92.90	1.40	10,197.67	1,381.25	4.57	1,381.15	0.98	-0.96	-0.21
11,472.00	93.50	1.00	10,192.37	1,476.08	6.55	1,475.96	0.76	0.63	-0.42
11,566.00	94.70	0.80	10,185.65	1,569.82	8.03	1,569.69	1.29	1.28	-0.21
11,661.00	95.10	1.40	10,177.53	1,664.46	9.84	1,664.30	0.76	0.42	0.63
11,755.00	93.90	1.80	10,170.16	1,758.13	12.46	1,757.94	1.35	-1.28	0.43
11,849.00	95.20	1.80	10,162.70	1,851.78	15.40	1,851.57	1.38	1.38	0.00
11,944.00	91.70	0.80	10,156.98	1,946.57	17.55	1,946.33	3.83	-3.68	-1.05
12,038.00	89.80	359.50	10,155.75	2,040.56	17.80	2,040.31	2.45	-2.02	-1.38
12,132.00	91.30	359.60	10,154.85	2,134.55	17.06	2,134.30	1.60	1.60	0.11
12,226.00	90.70	359.50	10,153.21	2,228.53	16.32	2,228.29	0.65	-0.64	-0.11
12,320.00	90.40	359.70	10,152.31	2,322.52	15.67	2,322.29	0.38	-0.32	0.21
12,414.00	91.60	359.40	10,150.67	2,416.50	14.93	2,416.27	1.32	1.28	-0.32
12,508.00	91.80	359.30	10,147.88	2,510.46	13.86	2,510.23	0.24	0.21	-0.11
12,603.00	92.40	359.00	10,144.40	2,605.38	12.45	2,605.16	0.71	0.63	-0.32
12,697.00	91.10	359.70	10,141.53	2,699.33	11.39	2,699.11	1.57	-1.38	0.74
12,791.00	91.00	359.90	10,139.80	2,793.31	11.06	2,793.10	0.24	-0.11	0.21
12,823.00	91.40	0.10	10,139.13	2,825.31	11.06	2,825.09	1.40	1.25	0.63
12,918.00	92.10	359.70	10,136.23	2,920.26	10.89	2,920.04	0.85	0.74	-0.42
13,013.00	92.80	359.50	10,132.17	3,015.17	10.23	3,014.95	0.77	0.74	-0.21
13,108.00	92.90	358.70	10,127.45	3,110.04	8.74	3,109.83	0.85	0.11	-0.84
13,203.00	94.30	357.40	10,121.48	3,204.79	5.52	3,204.61	2.01	1.47	-1.37
13,298.00	95.10	356.70	10,113.70	3,299.35	0.64	3,299.21	1.12	0.84	-0.74
13,393.00	96.40	356.20	10,104.18	3,393.69	-5.21	3,393.59	1.47	1.37	-0.53
13,488.00	97.20	355.60	10,092.93	3,487.78	-11.95	3,487.74	1.05	0.84	-0.63
13,583.00	95.70	357.00	10,082.26	3,581.97	-18.04	3,581.99	2.15	-1.58	1.47
13,678.00	93.50	358.10	10,074.64	3,676.57	-22.09	3,676.62	2.59	-2.32	1.16
13,773.00	92.60	358.00	10,069.59	3,771.38	-25.32	3,771.46	0.95	-0.95	-0.11
13,868.00	92.60	358.00	10,065.28	3,866.23	-28.63	3,866.33	0.00	0.00	0.00
13,963.00	92.70	357.60	10,060.89	3,961.05	-32.27	3,961.18	0.43	0.11	-0.42
14,058.00	92.50	357.10	10,056.58	4,055.86	-36.66	4,056.02	0.57	-0.21	-0.53
14,153.00	92.30	356.70	10,052.60	4,150.63	-41.79	4,150.84	0.47	-0.21	-0.42
14,248.00	93.20	356.10	10,048.04	4,245.33	-47.75	4,245.59	1.14	0.95	-0.63
14,343.00	93.50	356.20	10,042.49	4,339.96	-54.12	4,340.27	0.33	0.32	0.11
14,437.00	94.00	356.20	10,036.34	4,433.55	-60.34	4,433.92	0.53	0.53	0.00
14,532.00	94.70	355.60	10,029.13	4,528.03	-67.11	4,528.46	0.97	0.74	-0.63
14,627.00	95.30	355.30	10,020.85	4,622.37	-74.61	4,622.86	0.71	0.63	-0.32
14,643.00	95.50	355.30	10,019.35	4,638.25	-75.92	4,638.75	1.25	1.25	0.00
14,721.00	95.70	354.80	10,011.74	4,715.59	-82.62	4,716.14	0.69	0.26	-0.64
Final Phoenix WB2 MWD Survey									
14,774.70	95.70	354.80	10,006.40	4,768.80	-87.46	4,769.40	0.00	0.00	0.00
14774' MD, Hard Line Crossing									
14,843.00	95.70	354.80	9,999.62	4,836.48	-93.62	4,837.13	0.00	0.00	0.00
Projection to TD									

Survey Report

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Project: Lea County, NM (NAD 27)
Site: Jim Rolfe 22-18-34E RN State
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Wellbore: Wellbore #2 Job #1411024
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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,801.33	8,798.81	-0.28	28.14	Tie In to Gyro Surveys
8,859.00	8,856.46	0.73	28.32	First Phoenix WB2 MWD Survey
14,721.00	10,011.74	4,715.59	-82.62	Final Phoenix WB2 MWD Survey
14,774.70	10,006.40	4,768.80	-87.46	14774' MD, Hard Line Crossing
14,843.00	9,999.62	4,836.48	-93.62	Projection to TD

Checked By: _____ Approved By: _____ Date: _____