



**PHOENIX**  
**TECHNOLOGY SERVICES**

November 18, 2015

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

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 30 2015

**RECEIVED**

Re: Matador Resources  
Janie Conner 13-24S-28E RB 124H  
Eddy County, New Mexico  
API #30-015-43039  
Job No. 1514027

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	8,082	13,100	08/23/15	08/27/15	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

1514027

ENERGY COMPANY

Matador Resources

WELL NAME

Janie Conner 13-24S-28E RB 124H

COUNTY & STATE

Eddy County, New Mexico

API WELL NUMBER

30-015-43039

PROPOSED DIRECTION

90.33°

TIE-IN DATA						
MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
8,061.00 ft	8,034.06 ft	17.56°	115.49°	-44.72 ft	331.53 ft	Gyro

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
23-Aug-15	8,082.00 ft	20.50°	114.80°

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
27-Aug-15	13,100.00 ft	89.6°	87.8°

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
27-Aug-15	13,176.00 ft	89.6°	87.8°

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

8/28/2015

TODAY'S DATE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.28
DECLINATION OR GRID	GRID

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 77066

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



**NM OIL CONSERVATION**

ARTESIA DISTRICT

DEC 30 2015

RECEIVED

## **Matador Resources**

Eddy County, NM (NAD27 NME)

Janie Conner 13-24S-28E RB

124H

OH / Job 1514027

Survey: Phoenix MWD Surveys

## **Standard Survey Report**

29 August, 2015





Phoenix Technology Services LP  
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 124H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3005.50usft (Patterson 297)
Site:	Janie Conner 13-24S-28E RB	MD Reference:	RKB @ 3005.50usft (Patterson 297)
Well:	124H	North Reference:	Grid
Wellbore:	OH / Job 1514027	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	Compass 5000 GCR

Project	Eddy County, NM (NAD27 NME)		
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	Janie Conner 13-24S-28E RB		
Site Position:		Northing:	440,790.00 usft
From:	Map	Easting:	587,754.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 12' 41.50948 N
		Longitude:	104° 2' 58.55371 W
		Grid Convergence:	0.15 °

Well	124H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 12' 41.50948 N
		Longitude:	104° 2' 58.55371 W
		Ground Level:	2,978.00 usft

Wellbore	OH / Job 1514027		
Magnetics	Model Name	Sample Date	Declination
			(°)
	HDGM	8/13/2015	7.43
			Dip Angle
			(°)
			60.07
			Field Strength
			(nT)
			48,307

Design	Surveys (Patterson 297)		
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
			Direction
			(°)
			90.33

Survey Program	Date 8/29/2015		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
113.50	8,061.00	VES Gyro Surveys (OH / Job 1514027)	NS-GYRO-MS
8,082.00	13,176.00	Phoenix MWD Surveys (OH / Job 1514027)	PHX+MWD+HDGM
			Description
			North sensing gyrocompassing m/s
			PHX+MWD+HDGM

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)
8,061.00	17.56	115.49	8,034.06	-44.72	331.53	331.78	0.00	0.00	0.00
Tie-in to VES Gyros									
8,082.00	20.50	114.80	8,053.91	-47.63	337.73	338.00	14.04	14.00	-3.29
First Phoenix Survey									
8,114.00	23.70	111.70	8,083.56	-52.36	348.79	349.09	10.64	10.00	-9.69
8,145.00	26.10	109.00	8,111.67	-56.89	361.03	361.35	8.56	7.74	-8.71
8,176.00	29.40	104.90	8,139.11	-61.06	374.84	375.18	12.29	10.65	-13.23
8,207.00	32.50	101.50	8,165.69	-64.68	390.36	390.72	11.48	10.00	-10.97
8,238.00	36.00	99.30	8,191.31	-67.82	407.52	407.90	11.97	11.29	-7.10



Phoenix Technology Services LP  
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 124H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3005.50usft (Patterson 297)
Site:	Janie Conner 13-24S-28E RB	MD Reference:	RKB @ 3005.50usft (Patterson 297)
Well:	124H	North Reference:	Grid
Wellbore:	OH / Job 1514027	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	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)
8,270.00	37.80	96.80	8,216.90	-70.50	426.54	426.94	7.32	5.63	-7.81
8,301.00	41.40	92.90	8,240.79	-72.14	446.22	446.62	14.11	11.61	-12.58
8,332.00	45.00	89.80	8,263.39	-72.62	467.42	467.83	13.48	11.61	-10.00
8,363.00	49.50	88.70	8,284.42	-72.32	490.18	490.59	14.75	14.52	-3.55
8,394.00	54.00	88.20	8,303.61	-71.65	514.51	514.91	14.57	14.52	-1.81
8,426.00	58.80	88.10	8,321.31	-70.79	541.14	541.54	15.00	15.00	-0.31
8,457.00	63.10	87.90	8,336.36	-69.85	568.22	568.61	13.88	13.87	-0.65
8,477.00	65.61	86.73	8,345.02	-69.00	586.23	586.61	13.64	12.57	-5.87
HL Crossing: 8477' MD									
8,488.00	67.00	86.10	8,349.44	-68.37	596.28	596.66	13.64	12.60	-5.69
8,519.00	72.00	85.20	8,360.29	-66.16	625.22	625.59	16.36	16.13	-2.90
8,551.00	77.10	84.70	8,368.81	-63.45	655.94	656.29	16.01	15.94	-1.56
8,582.00	81.40	86.30	8,374.59	-61.06	686.29	686.63	14.77	13.87	5.16
8,614.00	86.30	85.80	8,378.02	-58.87	718.02	718.35	15.39	15.31	-1.56
8,645.00	87.00	85.90	8,379.83	-56.63	748.89	749.20	2.28	2.26	0.32
8,676.00	87.80	85.90	8,381.24	-54.42	779.77	780.07	2.58	2.58	0.00
8,770.00	88.80	85.40	8,384.03	-47.29	873.46	873.72	1.19	1.06	-0.53
8,863.00	88.00	83.80	8,386.62	-38.54	966.01	966.21	1.92	-0.86	-1.72
8,957.00	88.80	85.50	8,389.25	-29.78	1,059.56	1,059.71	2.00	0.85	1.81
9,051.00	88.30	85.60	8,391.63	-22.49	1,153.24	1,153.35	0.54	-0.53	0.11
9,144.00	88.80	87.30	8,393.98	-16.73	1,246.03	1,246.11	1.90	0.54	1.83
9,238.00	90.70	89.00	8,394.39	-13.70	1,339.97	1,340.03	2.71	2.02	1.81
9,332.00	91.00	88.90	8,393.00	-11.98	1,433.95	1,433.99	0.34	0.32	-0.11
9,425.00	91.30	88.00	8,391.13	-9.46	1,526.89	1,526.92	1.02	0.32	-0.97
9,519.00	91.90	86.90	8,388.51	-5.28	1,620.76	1,620.77	1.33	0.64	-1.17
9,612.00	91.80	86.20	8,385.50	0.31	1,713.55	1,713.52	0.76	-0.11	-0.75
9,706.00	90.80	87.10	8,383.37	5.80	1,807.36	1,807.30	1.43	-1.06	0.96
9,800.00	89.30	87.80	8,383.29	9.98	1,901.26	1,901.17	1.76	-1.60	0.74
9,893.00	89.80	89.10	8,384.02	12.50	1,994.22	1,994.12	1.50	0.54	1.40
9,987.00	89.70	90.60	8,384.43	12.75	2,088.22	2,088.11	1.60	-0.11	1.60
10,080.00	91.20	90.50	8,383.70	11.85	2,181.21	2,181.10	1.62	1.61	-0.11
10,174.00	88.80	91.00	8,383.70	10.62	2,275.19	2,275.10	2.61	-2.55	0.53
10,268.00	87.50	92.30	8,386.73	7.92	2,369.10	2,369.02	1.96	-1.38	1.38
10,361.00	87.10	91.90	8,391.11	4.51	2,461.94	2,461.87	0.61	-0.43	-0.43
10,455.00	87.70	90.30	8,395.38	2.71	2,555.82	2,555.76	1.82	0.64	-1.70
10,548.00	87.70	89.50	8,399.11	2.87	2,648.74	2,648.68	0.86	0.00	-0.86
10,642.00	88.50	90.30	8,402.23	3.04	2,742.69	2,742.63	1.20	0.85	0.85
10,736.00	91.60	89.50	8,402.15	3.20	2,836.68	2,836.61	3.41	3.30	-0.85
10,830.00	89.30	89.60	8,401.41	3.94	2,930.66	2,930.59	2.45	-2.45	0.11
10,923.00	87.80	91.50	8,403.76	3.05	3,023.62	3,023.56	2.60	-1.61	2.04
11,017.00	88.40	90.20	8,406.88	1.65	3,117.56	3,117.50	1.52	0.64	-1.38
11,111.00	87.30	89.20	8,410.40	2.15	3,211.49	3,211.42	1.58	-1.17	-1.06
11,204.00	89.60	90.50	8,412.92	2.39	3,304.45	3,304.38	2.84	2.47	1.40
11,298.00	87.00	89.90	8,415.71	2.06	3,398.40	3,398.33	2.84	-2.77	-0.64



# Phoenix Technology Services LP

## Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 124H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3005.50usft (Patterson 297)
Site:	Janie Conner 13-24S-28E RB	MD Reference:	RKB @ 3005.50usft (Patterson 297)
Well:	124H	North Reference:	Grid
Wellbore:	OH / Job 1514027	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	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)
11,391.00	86.10	90.60	8,421.31	1.66	3,491.23	3,491.16	1.23	-0.97	0.75
11,485.00	87.40	90.30	8,426.63	0.92	3,585.07	3,585.00	1.42	1.38	-0.32
11,578.00	87.60	89.60	8,430.69	1.00	3,677.98	3,677.91	0.78	0.22	-0.75
11,672.00	87.70	88.10	8,434.55	2.89	3,771.88	3,771.80	1.60	0.11	-1.60
11,765.00	88.30	89.00	8,437.79	5.24	3,864.79	3,864.70	1.16	0.65	0.97
11,859.00	88.80	89.30	8,440.17	6.63	3,958.75	3,958.65	0.62	0.53	0.32
11,953.00	89.20	88.70	8,441.81	8.27	4,052.72	4,052.61	0.77	0.43	-0.64
12,046.00	89.50	88.10	8,442.87	10.87	4,145.68	4,145.55	0.72	0.32	-0.65
12,140.00	89.40	89.20	8,443.77	13.08	4,239.65	4,239.50	1.17	-0.11	1.17
12,233.00	89.30	90.40	8,444.82	13.41	4,332.64	4,332.49	1.29	-0.11	1.29
12,327.00	89.40	92.20	8,445.89	11.27	4,426.60	4,426.47	1.92	0.11	1.91
12,420.00	90.60	93.90	8,445.89	6.33	4,519.47	4,519.36	2.24	1.29	1.83
12,514.00	91.40	92.80	8,444.25	0.83	4,613.29	4,613.21	1.45	0.85	-1.17
12,608.00	90.90	92.20	8,442.36	-3.26	4,707.18	4,707.12	0.83	-0.53	-0.64
12,701.00	89.00	91.90	8,442.44	-6.59	4,800.12	4,800.08	2.07	-2.04	-0.32
12,795.00	89.10	90.30	8,444.00	-8.40	4,894.08	4,894.05	1.71	0.11	-1.70
12,889.00	89.90	90.30	8,444.82	-8.89	4,988.08	4,988.05	0.85	0.85	0.00
12,983.00	87.90	88.40	8,446.63	-7.82	5,082.05	5,082.01	2.93	-2.13	-2.02
13,076.00	89.40	87.80	8,448.82	-4.74	5,174.97	5,174.91	1.74	1.61	-0.65
13,094.00	89.55	87.80	8,448.98	-4.05	5,192.95	5,192.89	0.83	0.83	0.00
HL Crossing: 13094' MD									
13,100.00	89.60	87.80	8,449.03	-3.82	5,198.95	5,198.88	0.83	0.83	0.00
Final Phoenix Survey									
13,176.00	89.60	87.80	8,449.56	-0.90	5,274.89	5,274.81	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)	
8,061.00	8,034.06	-44.72	331.53	Tie-in to VES Gyros
8,082.00	8,053.91	-47.63	337.73	First Phoenix Survey
8,477.00	8,345.02	-69.00	586.23	HL Crossing: 8477' MD
13,094.00	8,448.98	-4.05	5,192.95	HL Crossing: 13094' MD
13,100.00	8,449.03	-3.82	5,198.95	Final Phoenix Survey
13,176.00	8,449.56	-0.90	5,274.89	Projection to TD

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

District I  
1625 N French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

ARTESIA DISTRICT

DEC 30 2015

RECEIVED

State of New Mexico

Minerals & Natural Resources

Department

CONSERVATION DIVISION

1220 South St. Francis Dr.

Sante Fe, NM 87505

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

APR 17 2015

RECEIVED

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-015-43039</b>	<sup>2</sup> Pool Code <b>50371</b>	<sup>3</sup> Pool Name <b>Pierce Crossing: BS</b>
<sup>4</sup> Property Code <b>314750</b>	<sup>5</sup> Property Name <b>JANIE CONNER 13-24S-28E RB</b>	
<sup>6</sup> Well Number <b>#124H</b>	<sup>7</sup> Operator Name <b>MATADOR PRODUCTION COMPANY</b>	
<sup>8</sup> Elevation <b>2978'</b>		

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	24-S	28-E	-	415'	SOUTH	255'	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	13	24-S	28-E	-	331'	SOUTH	240'	EAST	EDDY

<sup>9</sup> Dedicated Acres <b>160.00</b>	<sup>10</sup> Joint or Infill	<sup>11</sup> Consolidation Code	<sup>12</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<sup>16</sup> <div style="display: flex; justify-content: space-around;"> <div> <p>11 12</p> <p>14 13</p> </div> <div> <p><b>SURFACE LOCATION</b> NEW MEXICO EAST NAD 1927 X=587754 Y=440790 LAT.: N 32.2115312 LONG.: W 104.0495991</p> </div> <div> <p><b>BOTTOM HOLE LOCATION</b> NEW MEXICO EAST NAD 1927 X=593038 Y=440673 LAT.: N 32.2111690 LONG.: W 104.0325156</p> </div> </div>		<sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill that well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature: <u>Tyler L. Goodwin</u> Date: <u>3/16/15</u> Printed Name: <u>Trey Goodwin</u> E-mail Address: <u>tygoodwin@matadorresources.com</u>
<div style="display: flex; justify-content: space-around;"> <div> <p><b>FIRST PERFORATION POINT</b> NEW MEXICO EAST NAD 1927 X=588340 Y=440700 LAT.: N 32.2112785 LONG.: W 104.0477045</p> </div> <div> <p><b>LAST PERFORATION POINT</b> NEW MEXICO EAST NAD 1927 X=592948 Y=440673 LAT.: N 32.2111712 LONG.: W 104.0328066</p> </div> </div>		
		<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.  Date of Survey: <u>02/26/2015</u> Signature and Seal of Professional Surveyor: <u>MICHAEL B. BROWN</u> Certificate Number: <u>18329</u>



**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 30 2015

RECEIVED

September 4, 2015

Matador Production Company  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240

Attn: Drilling Department

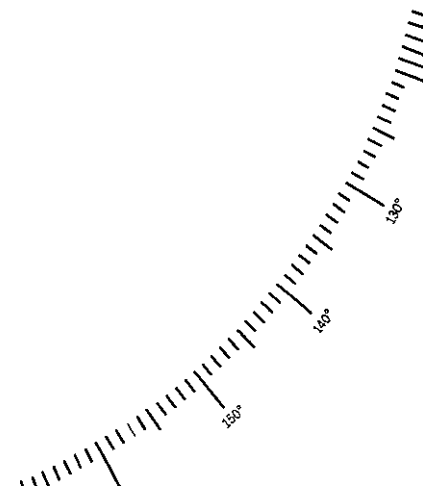
Re: **Janie Conner 13-24S-28E-RB 124H**

Please find enclosed a copy of the survey from 0' to 8061' ran on the above referenced well.

If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

Jennifer Byerly  
Operations

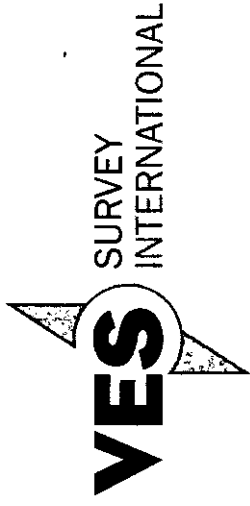






Company: Matador Production  
Lease/Well: Janie Conner 13 24S 28E RB/124H

Rig Name: Patterson 297  
State/County: New Mexico/Eddy  
VS-Azi: 0.00 Degrees  
Latitude: 32.21153, Longitude: -104.04960  
Grid North = True North -0.15 degs (NAD 27)



Depth Reference : RKB = 28.5 feet

### DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut  
Minimum Curvature Method  
Report Date/Time: 9/4/2015 / 13:59

VES Survey International  
Midland, Texas  
432-563-5444

Surveyor: Adam Askew

Janie Conner 13-24S-28E-RB 124H / API 30-015-43039

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 30 2015

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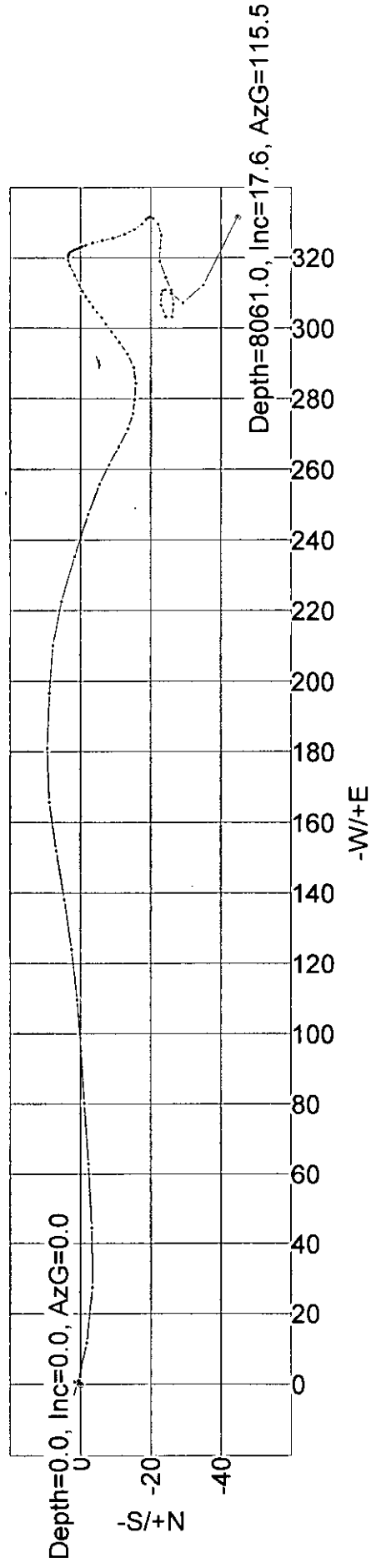
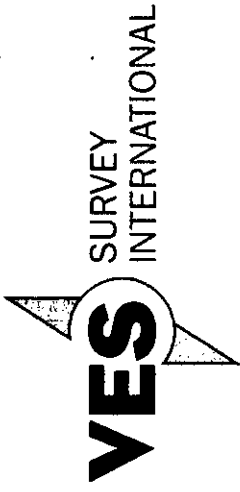
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
113.50	0.42	52.91	113.50	0.25	0.33	0.25	0.42	52.91	0.37
207.00	1.58	2.42	206.98	1.75	0.66	1.75	1.87	20.76	1.45
300.50	1.35	308.05	300.46	3.72	-0.15	3.72	3.72	357.64	1.45
394.00	1.46	304.02	393.93	5.06	-2.01	5.06	5.45	338.36	0.15
487.50	1.62	296.23	487.40	6.31	-4.18	6.31	7.57	326.49	0.28
581.00	1.35	239.55	580.87	6.34	-6.32	6.34	8.95	315.10	1.53
674.50	1.03	250.36	674.35	5.50	-8.06	5.50	9.76	304.30	0.42
768.00	1.54	260.12	767.83	5.00	-10.09	5.00	11.26	296.36	0.59
861.50	5.90	109.80	861.19	3.15	-6.80	3.15	7.49	294.89	7.79
955.00	4.12	105.48	954.33	0.63	0.96	0.63	1.15	56.87	1.95
1048.50	9.24	101.78	1047.16	-1.80	11.55	-1.80	11.69	98.86	5.50
1142.00	10.51	90.28	1139.28	-3.38	27.43	-3.38	27.64	97.02	2.50
1235.50	10.71	88.66	1231.18	-3.22	44.64	-3.22	44.76	94.12	0.38
1329.00	11.85	85.50	1322.88	-2.26	62.89	-2.26	62.93	92.06	1.39
1422.50	9.60	86.71	1414.74	-1.06	80.24	-1.06	80.25	90.76	2.42
1516.00	8.81	86.38	1507.04	-0.16	95.17	-0.16	95.17	90.10	0.84
1609.50	8.97	84.75	1599.41	0.96	109.58	0.96	109.58	89.50	0.32
1703.00	8.79	82.80	1691.79	2.52	123.93	2.52	123.95	88.83	0.37

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1796.50	8.76	80.57	1784.20	4.58	138.04	4.58	138.12	88.10	0.37
1890.00	8.53	80.63	1876.63	6.88	151.91	6.88	152.06	87.41	0.24
1983.50	8.74	83.12	1969.07	8.86	165.81	8.86	166.04	86.94	0.46
2077.00	9.98	91.83	2061.33	9.45	180.97	9.45	181.21	87.01	2.01
2170.50	9.24	92.62	2153.52	8.85	196.57	8.85	196.77	87.42	0.80
2264.00	7.48	96.25	2246.02	7.84	210.12	7.84	210.27	87.86	1.97
2357.50	8.07	105.57	2338.66	5.42	222.50	5.42	222.56	88.61	1.49
2451.00	8.31	107.30	2431.21	1.65	235.28	1.65	235.28	89.60	0.37
2544.50	7.13	108.68	2523.86	-2.22	247.22	-2.22	247.23	90.51	1.28
2638.00	4.10	114.63	2616.90	-5.47	255.76	-5.47	255.82	91.23	3.30
2731.50	3.37	117.43	2710.20	-8.13	261.23	-8.13	261.36	91.78	0.81
2825.00	3.67	119.60	2803.53	-10.87	266.27	-10.87	266.49	92.34	0.36
2918.50	3.37	115.30	2896.85	-13.53	271.36	-13.53	271.70	92.85	0.43
3012.00	2.27	98.86	2990.24	-14.99	275.68	-14.99	275.08	93.11	1.45
3105.50	2.69	93.36	3083.65	-15.40	279.69	-15.40	280.12	93.15	0.52
3199.00	2.99	95.02	3177.03	-15.74	284.31	-15.74	284.75	93.17	0.33
3292.50	2.75	69.38	3270.42	-15.17	288.84	-15.17	289.24	93.01	1.38
3386.00	2.41	58.00	3363.83	-13.33	292.62	-13.33	292.92	92.61	0.66
3479.50	2.53	52.59	3457.24	-11.03	295.93	-11.03	296.13	92.14	0.28
3573.00	1.94	53.42	3550.67	-8.84	298.83	-8.84	298.96	91.69	0.64
3666.50	1.42	56.78	3644.13	-7.26	301.07	-7.26	301.16	91.38	0.56
3760.00	1.33	53.95	3737.60	-5.99	302.92	-5.99	302.98	91.13	0.12
3853.50	1.21	46.90	3831.08	-4.67	304.52	-4.67	304.56	90.88	0.22
3947.00	1.09	57.89	3924.56	-3.53	305.99	-3.53	306.01	90.66	0.27
4040.50	1.09	51.17	4018.04	-2.50	307.44	-2.50	307.45	90.47	0.14
4134.00	1.05	57.99	4111.53	-1.48	308.86	-1.48	308.87	90.27	0.14
4227.50	1.02	61.99	4205.01	-0.64	310.33	-0.64	310.33	90.12	0.08
4321.00	1.49	64.95	4298.49	0.27	312.16	0.27	312.16	89.95	0.50
4414.50	2.36	62.72	4391.93	1.67	314.97	1.67	314.97	89.70	0.94
4508.00	1.26	64.60	4485.39	2.99	317.61	2.99	317.63	89.46	1.18
4601.50	0.73	84.69	4578.87	3.49	319.14	3.49	319.15	89.37	0.67
4695.00	0.43	96.59	4672.37	3.50	320.08	3.50	320.10	89.37	0.35
4788.50	0.32	101.06	4765.86	3.41	320.69	3.41	320.70	89.39	0.12
4882.00	0.26	106.28	4859.36	3.30	321.15	3.30	321.16	89.41	0.07
4975.50	0.33	147.61	4952.86	3.01	321.50	3.01	321.51	89.46	0.24
5069.00	0.50	150.66	5046.36	2.43	321.84	2.43	321.85	89.57	0.18
5162.50	0.43	157.45	5139.86	1.75	322.18	1.75	322.18	89.69	0.09
5256.00	0.48	158.72	5233.35	1.06	322.46	1.06	322.46	89.81	0.06
5349.50	0.52	151.91	5326.85	0.31	322.80	0.31	322.80	89.94	0.08

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5443.00	0.50	159.70	5420.35	-0.45	323.14	-0.45	323.14	90.08	0.08
5536.50	0.78	160.59	5513.84	-1.43	323.50	-1.43	323.50	90.25	0.29
5630.00	1.74	162.78	5607.32	-3.38	324.12	-3.38	324.14	90.60	1.03
5723.50	1.76	166.90	5700.77	-6.13	324.87	-6.13	324.93	91.08	0.14
5817.00	2.07	170.85	5794.22	-9.20	325.46	-9.20	325.60	91.62	0.36
5910.50	2.15	154.22	5887.66	-12.45	326.50	-12.45	326.73	92.18	0.66
6004.00	1.70	154.70	5981.11	-15.28	327.85	-15.28	328.21	92.67	0.48
6097.50	1.61	130.20	6074.57	-17.38	329.45	-17.38	329.90	93.02	0.76
6191.00	0.59	136.10	6168.05	-18.58	330.78	-18.58	331.31	93.21	1.09
6284.50	0.40	153.32	6261.55	-19.22	331.27	-19.22	331.82	93.32	0.26
6378.00	0.42	155.29	6355.04	-19.82	331.55	-19.82	332.15	93.42	0.03
6471.50	1.09	226.47	6448.54	-20.74	331.06	-20.74	331.70	93.59	1.10
6565.00	1.52	233.79	6542.01	-22.09	329.41	-22.09	330.15	93.84	0.50
6658.50	2.67	266.16	6635.45	-22.97	326.23	-22.97	327.04	94.03	1.72
6752.00	1.78	289.31	6728.88	-22.64	322.69	-22.64	323.48	94.01	1.34
6845.50	3.06	261.63	6822.30	-22.52	318.84	-22.52	319.64	94.04	1.82
6939.00	2.98	236.83	6915.67	-24.21	314.34	-24.21	315.27	94.40	1.39
7032.50	2.00	259.20	7009.09	-25.85	310.70	-25.85	311.77	94.76	1.46
7126.00	2.99	262.81	7102.50	-26.46	306.68	-26.46	307.82	94.93	1.07
7219.50	1.63	300.74	7195.92	-26.09	303.12	-26.09	304.25	94.92	2.11
7313.00	2.09	45.81	7289.39	-24.22	303.21	-24.22	304.17	94.57	3.17
7406.50	2.45	87.29	7382.83	-22.94	306.43	-22.94	307.28	94.28	1.76
7500.00	1.27	97.31	7476.28	-22.98	309.45	-22.98	310.31	94.25	1.31
7593.50	0.35	149.39	7569.77	-23.36	310.63	-23.36	311.51	94.30	1.17
7687.00	0.69	183.84	7663.26	-24.16	310.74	-24.16	311.68	94.45	0.48
7780.50	1.80	221.68	7756.74	-25.82	309.72	-25.82	310.80	94.77	1.42
7874.00	3.35	216.19	7850.14	-29.13	307.13	-29.13	308.51	95.42	1.67
7967.50	9.33	118.81	7943.19	-35.00	312.17	-35.00	314.13	96.40	11.02
8061.00	17.56	115.49	8034.06	-44.74	331.58	-44.74	334.58	97.68	8.84

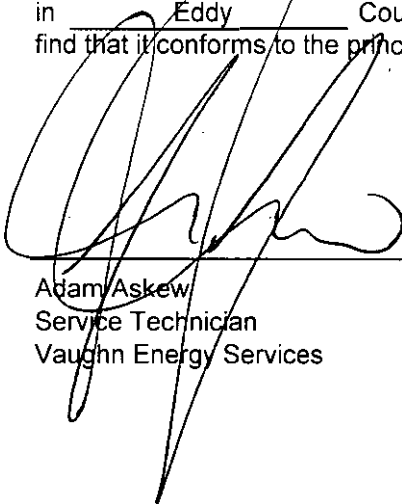


VES Survey International  
Midland, Texas  
432-563-5444  
Surveyor: Adam Askew  
Janie Conner 13-24S-28E-RB 124H / API 30-015-43039





I Adam Askew certify that I am employed by Vaughn Energy Services. That I did on the day(s) of 08/28/15 through 08/28/15 conduct or supervise the taking of a MS Gyro survey from a depth of 0 feet to a depth of 8061 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Vaughn Energy Services, that I am authorized and qualified to make this report; that this survey was conducted at the request of Matador Production for the Janie Conner 13 24S 28E RB Well # 124H API # 30-015-43039 in Eddy County / Parish New Mexcio; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Vaughn Energy Services



Adam Askew  
Service Technician  
Vaughn Energy Services



I Adam Askew certify that I am employed by Vaughn Energy Services. That I did on the day(s) of 08/28/15 through 08/28/15 conduct or supervise the taking of a MS Gyro survey from a depth of 0 feet to a depth of 8061 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Vaughn Energy Services, that I am authorized and qualified to make this report; that this survey was conducted at the request of Matador Production for the Janie Conner 13 24S 28E RB Well # 124H API # 30-015-43039 in Eddy County / Parish New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Vaughn Energy Services

  
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Adam Askew  
Service Technician  
Vaughn Energy Services