



**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°

SURVEY INSTRUMENT TYPE <b>Phoenix MWD</b>
--

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

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
27-Aug-15	13,176.00 ft	89.6°	87.8°

**Seth Mollerup**

PRINT YOUR NAME ABOVE

*Seth Mollerup*

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID	
TOTAL CORRECTION USED	7.28
DECLINATION OR GRID	GRID

**8/28/2015**

TODAY'S DATE

MWD SUPERVISOR 1 **Seth Mollerup**

DIRECTIONAL DRILLER 1 **Dustin Barnett**

MWD SUPERVISOR 2 **Shane King**

DIRECTIONAL DRILLER 2 **Kevin Ho**



**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



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

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

<b>Well</b>	124H					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	440,790.00 usft	<b>Latitude:</b>	32° 12' 41.50948 N
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	587,754.00 usft	<b>Longitude:</b>	104° 2' 58.55371 W
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	0.00 usft	<b>Ground Level:</b>	2,978.00 usft

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

<b>Design</b>	Surveys (Patterson 297)				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	90.33	

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

<b>Survey</b>										
<b>Measured</b>	<b>Inclination</b>	<b>Azimuth</b>	<b>Vertical</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Vertical</b>	<b>Dogleg</b>	<b>Build</b>	<b>Turn</b>	
<b>Depth</b>	(°)	(°)	<b>Depth</b>	<b>(usft)</b>	<b>(usft)</b>	<b>Section</b>	<b>Rate</b>	<b>Rate</b>	<b>Rate</b>	
(usft)			(usft)	(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	
<b>Tie-in to VES Gyros</b>										
8,082.00	20.50	114.80	8,053.91	-47.63	337.73	338.00	14.04	14.00	-3.29	
<b>First Phoenix Survey</b>										
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



<b>Company:</b>	Matador Resources	<b>Local Co-ordinate Reference:</b>	Well 124H
<b>Project:</b>	Eddy County, NM (NAD27 NME)	<b>TVD Reference:</b>	RKB @ 3005.50usft (Patterson 297)
<b>Site:</b>	Janie Conner 13-24S-28E RB	<b>MD Reference:</b>	RKB @ 3005.50usft (Patterson 297)
<b>Well:</b>	124H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH / Job 1514027	<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)	
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	-1.61	
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	
<b>HL Crossing: 8477' MD</b>										
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



<b>Company:</b>	Matador Resources	<b>Local Co-ordinate Reference:</b>	Well 124H
<b>Project:</b>	Eddy County, NM (NAD27 NME)	<b>TVD Reference:</b>	RKB @ 3005.50usft (Patterson 297)
<b>Site:</b>	Janie Conner 13-24S-28E RB	<b>MD Reference:</b>	RKB @ 3005.50usft (Patterson 297)
<b>Well:</b>	124H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH / Job 1514027	<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)
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
<b>HL Crossing: 13094' MD</b>									
13,100.00	89.60	87.80	8,449.03	-3.82	5,198.95	5,198.88	0.83	0.83	0.00
<b>Final Phoenix Survey</b>									
13,176.00	89.60	87.80	8,449.56	-0.90	5,274.89	5,274.81	0.00	0.00	0.00
<b>Projection to TD</b>									

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., Sante Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

NM OIL CONSERVATION  
ARTESIA DISTRICT

ARTESIA DISTRICT

State of New Mexico

Energy, Minerals & Natural Resources

Department

CONSERVATION DIVISION

1220 South St. Francis Dr.

Sante Fe, NM 87505

Revised August 1, 2011  
Submit one copy to appropriate  
District Office

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-43039	<sup>2</sup> Pool Code 50371	<sup>3</sup> Pool Name Pierce Crossing : BS
<sup>4</sup> Property Code 314750	<sup>5</sup> Property Name JANIE CONNER 13-24S-28E RB	
<sup>6</sup> GriffD No. 228937	<sup>7</sup> Operator Name MATADOR PRODUCTION COMPANY	<sup>8</sup> Well Number #124H
		<sup>9</sup> Elevation 2978'

<sup>10</sup>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>11</sup> Dedicated Acres 160.00	<sup>12</sup> Joint or Infill	<sup>13</sup> Consolidation Code	<sup>14</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> 11 12 14 13		<sup>17</sup> OPERATOR CERTIFICATION 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 this 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.  Tj L. 3/16/15 Signature Date  Trey Goodwin Printed Name  tgoodwin@matadorresources.com E-mail Address	
SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=587754 Y=440790 LAT.: N 32.2115312 LONG.: W 104.0495991	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=593038 Y=440673 LAT.: N 32.2111690 LONG.: W 104.0325158	FIRST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=588340 Y=440700 LAT.: N 32.2112785 LONG.: W 104.0477045	LAST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=592948 Y=440673 LAT.: N 32.2111712 LONG.: W 104.0328066
<sup>18</sup> SURVEYOR CERTIFICATION 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.  02/26/2015 Date of Survey Signature and Seal of Professional Surveyor MICHAEL B. BROWN NEW MEXICO 18329 PROFESSIONAL SURVEYOR Certificate Number			



**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

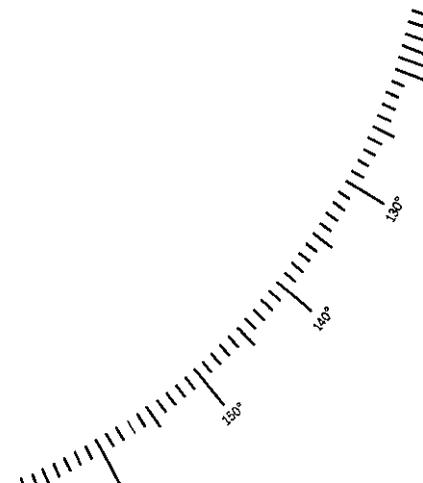
Re: **Janie Conner 13-24S-28E-RB 124H**

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.

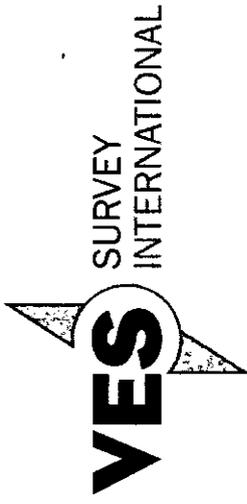
Sincerely,

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  
 RECEIVED

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

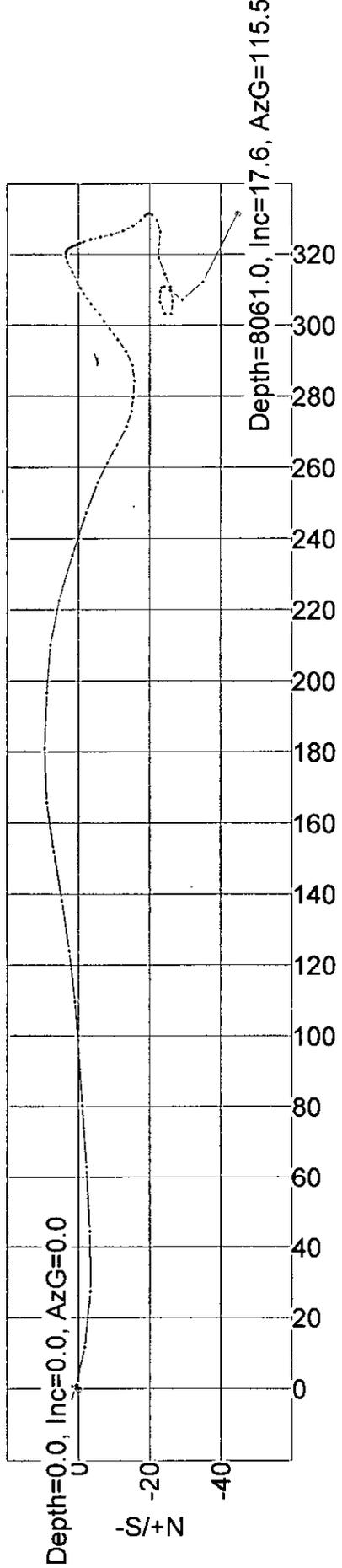
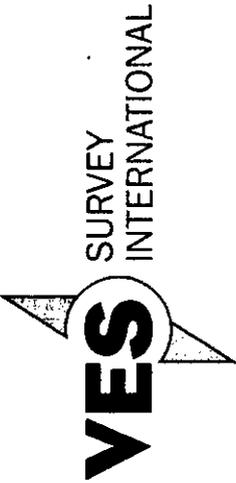
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/S FT	+E/W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1796.50	8.76	80.57	1784.20	4.58	138.04	4.58	138.12	88.10	0.37
1890.00	8.53	80.63	1876.63	6.88	151.91	6.88	152.06	87.41	0.24
1983.50	8.74	83.12	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	0.75
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



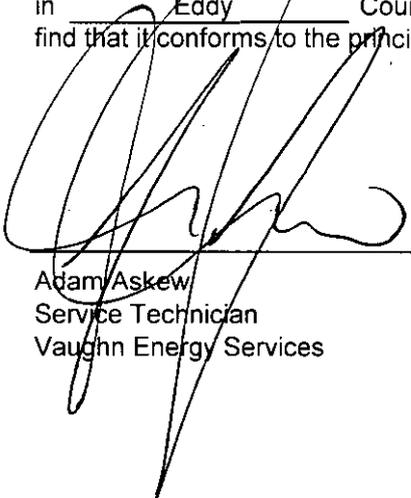
VES Survey International  
 Midland, Texas  
 432-563-5444  
 Surveyor: Adam Askew

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

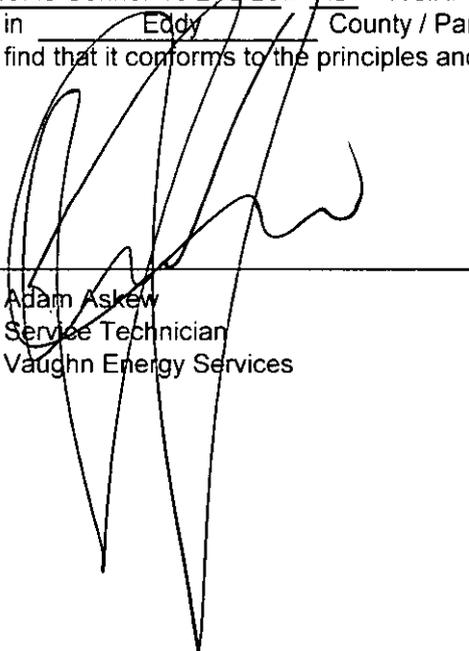


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Adam Askew  
Service Technician  
Vaughn Energy Services



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

  
\_\_\_\_\_  
Adam Askew  
Service Technician  
Vaughn Energy Services