

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 04 2015

RECEIVED

September 14, 2015

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

Attn: Drilling Department

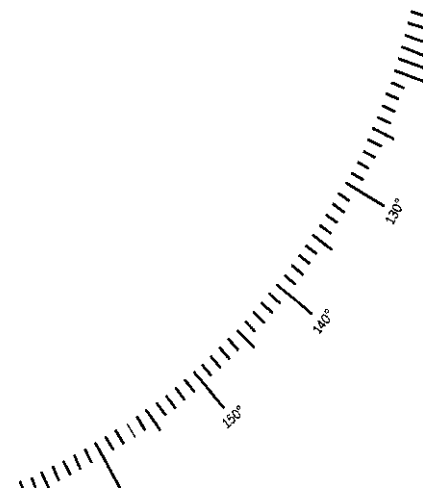
Re: **Janie Conner 13-24S-28E-RB 224H**

Please find enclosed a copy of the survey from 0' to 9811.72' 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.

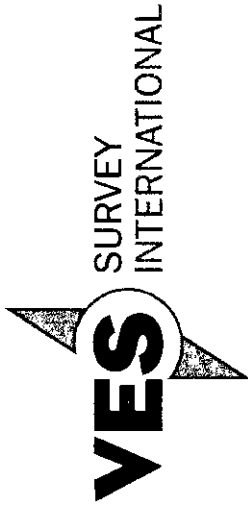
Sincerely,

Jennifer Byerly
Operations





Company: Matador Production Company
Lease/Well: Janie Conner 13 24S 28E RB/224H
Location: S14 T24S R28E
Rig Name: Patterson 297
State/County: New Mexico/Eddy
VS-Azi: 0.00 Degrees
Latitude: 32.21161, Longitude: -104.04960
Grid North = True North -0.15 degs (NAD 27)
Grid Correction Applied = -0.15 degs



Depth Reference : RKB = 28.5 Feet

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 9/14/2015 / 11:28

VES Survey International
Midland, TX
432-563-5444

Surveyor: Andrew Askew

Janie Conner 13 24S 28E RB 224H / API 30-015-43037

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	****
75.24	0.26	325.01	75.24	0.14	-0.10	0.14	0.17	325.01	0.35
168.86	0.53	278.76	168.86	0.39	-0.65	0.39	0.75	300.71	0.42
262.48	1.17	245.42	262.47	0.05	-1.94	0.05	1.94	271.59	0.84
356.10	1.56	257.95	356.06	-0.61	-4.06	-0.61	4.10	261.45	0.53
449.72	1.37	249.46	449.65	-1.27	-6.36	-1.27	6.48	258.71	0.31
543.34	1.43	244.59	543.24	-2.16	-8.46	-2.16	8.73	255.66	0.14
636.96	1.55	261.80	636.83	-2.84	-10.76	-2.84	11.13	255.20	0.49
730.58	0.54	239.82	730.43	-3.25	-12.39	-3.25	12.81	255.32	1.14
824.20	1.34	109.69	824.05	-3.84	-11.74	-3.84	12.35	251.90	1.86
917.82	3.34	94.10	917.58	-4.40	-7.99	-4.40	9.12	241.14	2.22
1011.44	4.74	91.80	1010.97	-4.72	-1.41	-4.72	4.93	196.62	1.51
1105.06	5.55	90.21	1104.21	-4.86	6.98	-4.86	8.51	124.82	0.88
1198.68	6.39	87.14	1197.32	-4.61	16.72	-4.61	17.34	105.43	0.96
1292.30	6.66	82.58	1290.34	-3.65	27.31	-3.65	27.55	97.62	0.62
1385.92	6.39	80.34	1383.35	-2.08	37.83	-2.08	37.89	93.14	0.40
1479.54	6.06	84.16	1476.42	-0.70	47.88	-0.70	47.88	90.84	0.57

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
1573.16	5.84	92.71	1569.54	-0.42	57.55	-0.42	57.55	90.42	0.97
1666.78	5.88	91.65	1662.67	-0.79	67.10	-0.79	67.11	90.67	0.13
1760.40	5.66	84.77	1755.81	-0.50	76.50	-0.50	76.50	90.38	0.78
1854.02	5.63	75.34	1848.98	1.08	85.53	1.08	85.54	89.28	0.99
1947.64	6.14	67.81	1942.11	4.13	94.61	4.13	94.70	87.50	0.99
2041.26	6.54	67.65	2035.16	8.04	104.17	8.04	104.48	85.58	0.43
2134.88	6.25	63.60	2128.20	12.33	113.66	12.33	114.32	83.81	0.57
2228.50	6.79	68.23	2221.21	16.65	123.36	16.65	124.47	82.31	0.81
2322.12	7.85	74.91	2314.07	20.37	134.66	20.37	136.20	81.40	1.45
2415.74	7.51	72.83	2406.85	23.84	146.68	23.84	148.60	80.77	0.47
2509.36	7.26	65.94	2499.70	28.05	157.92	28.05	160.40	79.93	0.98
2602.98	7.44	60.24	2592.55	33.47	168.58	33.47	171.87	78.77	0.80
2696.60	7.67	56.01	2685.36	39.97	179.02	39.97	183.43	77.41	0.64
2790.22	7.95	52.26	2778.11	47.43	189.32	47.43	195.17	75.94	0.62
2883.84	6.53	50.58	2870.98	54.77	198.56	54.77	205.98	74.58	1.54
2977.46	4.43	56.21	2964.17	60.16	205.67	60.16	214.29	73.70	2.31
3071.08	2.35	55.23	3057.62	63.26	210.25	63.26	219.56	73.25	2.22
3164.70	0.53	1.13	3151.21	64.79	211.84	64.79	221.52	72.99	2.22
3258.32	0.81	279.48	3244.82	65.34	211.19	65.34	221.06	72.81	0.97
3351.94	1.02	246.01	3338.43	65.11	209.77	65.11	219.64	72.76	0.61
3445.56	1.14	240.73	3432.04	64.31	208.19	64.31	217.90	72.83	0.16
3539.18	0.85	233.98	3525.64	63.45	206.81	63.45	216.32	72.94	0.33
3632.80	0.98	237.19	3619.25	62.60	205.57	62.60	214.89	73.06	0.15
3726.42	0.91	242.45	3712.86	61.82	204.24	61.82	213.39	73.16	0.12
3820.04	0.92	244.82	3806.47	61.16	202.90	61.16	211.91	73.23	0.04
3913.66	0.94	250.40	3900.07	60.58	201.50	60.58	210.41	73.27	0.10
4007.28	0.97	247.35	3993.68	60.02	200.04	60.02	208.85	73.30	0.07
4100.90	0.89	249.82	4087.29	59.46	198.63	59.46	207.34	73.33	0.10
4194.52	0.99	246.21	4180.90	58.89	197.21	58.89	205.81	73.37	0.13
4288.14	0.96	242.47	4274.50	58.20	195.77	58.20	204.24	73.44	0.07
4381.76	0.95	239.51	4368.11	57.44	194.40	57.44	202.71	73.54	0.05
4475.38	1.03	236.11	4461.71	56.58	193.04	56.58	201.16	73.66	0.11
4569.00	1.06	232.51	4555.32	55.58	191.65	55.58	199.55	73.83	0.08
4662.62	1.17	232.42	4648.92	54.47	190.20	54.47	197.85	74.02	0.12
4756.24	1.09	226.17	4742.52	53.26	188.80	53.26	196.17	74.25	0.16
4849.86	1.07	230.33	4836.13	52.09	187.48	52.09	194.59	74.47	0.09
4943.48	0.87	286.10	4929.73	51.73	186.13	51.73	193.19	74.47	0.98
5037.10	0.56	291.51	5023.35	52.10	185.03	52.10	192.22	74.28	0.34
5130.72	0.43	292.00	5116.96	52.39	184.28	52.39	191.58	74.13	0.14

Measured Depth	Incl Angle	Drift Direction	TVD	+N-S		+E-W		Vertical Section	Closure Distance	Closure Direction	Dogleg Severity
				FT	Deg	FT	Deg	FT	FT	Deg	Deg/100
5224.34	0.19	321.32	5210.58	52.64		183.86		52.64	191.24	74.02	0.30
5317.96	0.11	339.80	5304.20	52.85		183.73		52.85	191.18	73.95	0.10
5411.58	0.20	135.38	5397.82	52.81		183.81		52.81	191.25	73.97	0.32
5505.20	0.42	138.31	5491.44	52.44		184.15		52.44	191.48	74.10	0.24
5598.82	0.61	140.28	5585.06	51.80		184.70		51.80	191.83	74.33	0.20
5692.44	0.61	137.56	5678.67	51.05		185.35		51.05	192.26	74.60	0.03
5786.06	0.95	143.04	5772.28	50.07		186.16		50.07	192.77	74.95	0.37
5879.68	1.26	139.20	5865.89	48.67		187.29		48.67	193.51	75.43	0.34
5973.30	1.45	157.10	5959.48	46.81		188.42		46.81	194.15	76.05	0.49
6066.92	1.29	156.72	6053.07	44.75		189.30		44.75	194.52	76.70	0.17
6160.54	1.51	163.15	6146.67	42.61		190.07		42.61	194.79	77.37	0.29
6254.16	0.31	96.72	6240.27	41.40		190.68		41.40	195.12	77.75	1.51
6347.78	0.20	29.07	6333.89	41.51		191.01		41.51	195.47	77.74	0.32
6441.40	0.93	14.03	6427.51	42.40		191.28		42.40	195.92	77.50	0.79
6535.02	1.04	332.55	6521.11	43.89		191.07		43.89	196.05	77.06	0.75
6628.64	1.51	299.02	6614.71	45.24		189.60		45.24	194.92	76.58	0.92
6722.26	2.14	277.56	6708.29	46.07		186.79		46.07	192.38	76.14	0.98
6815.88	2.08	264.53	6801.84	46.14		183.36		46.14	189.08	75.88	0.52
6909.50	2.61	262.83	6895.38	45.71		179.56		45.71	185.28	75.72	0.57
7003.12	1.69	268.19	6988.94	45.40		176.07		45.40	181.83	75.54	1.01
7096.74	2.02	274.72	7082.51	45.49		173.05		45.49	178.93	75.27	0.42
7190.36	0.76	354.63	7176.10	46.25		171.35		46.25	177.48	74.89	2.17
7283.98	0.79	330.82	7269.72	47.44		170.97		47.44	177.43	74.49	0.34
7377.60	0.69	319.06	7363.33	48.43		170.28		48.43	177.04	74.12	0.19
7471.22	0.81	290.76	7456.94	49.09		169.29		49.09	176.27	73.83	0.41
7564.84	1.20	260.71	7550.55	49.17		167.71		49.17	174.77	73.66	0.68
7658.46	2.13	258.85	7644.13	48.68		165.04		48.68	172.07	73.57	0.99
7752.08	3.31	290.64	7737.64	49.30		160.81		49.30	168.19	72.96	2.01
7845.70	3.95	289.27	7831.08	51.31		155.23		51.31	163.49	71.71	0.69
7939.32	1.36	245.97	7924.59	51.93		151.17		51.93	159.84	71.04	3.32
8032.94	1.92	210.09	8018.18	50.12		149.37		50.12	157.55	71.45	1.22
8126.56	0.67	144.15	8111.78	48.32		148.90		48.32	156.54	72.02	1.88
8220.18	0.87	195.31	8205.39	47.19		149.03		47.19	156.32	72.43	0.74
8313.80	0.98	213.83	8299.00	45.84		148.40		45.84	155.31	72.84	0.34
8407.42	1.07	210.94	8392.60	44.42		147.50		44.42	154.05	73.24	0.11
8501.04	1.25	196.22	8486.20	42.69		146.77		42.69	152.85	73.78	0.37
8594.66	1.39	200.62	8579.80	40.65		146.08		40.65	151.63	74.45	0.19
8688.28	2.58	199.77	8673.36	37.60		144.97		37.60	149.76	75.46	1.27
8781.90	3.25	188.04	8766.86	32.99		143.88		32.99	147.62	77.09	0.95

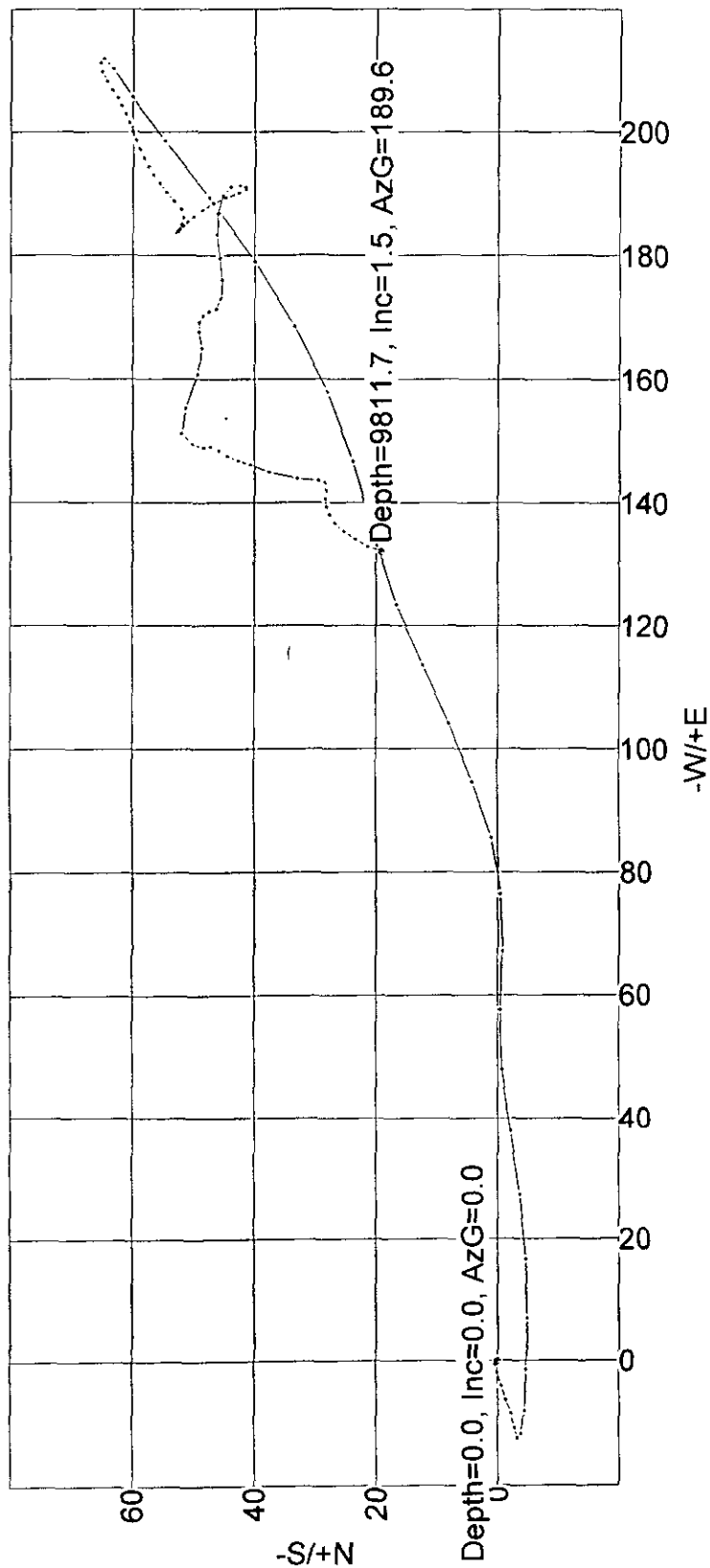
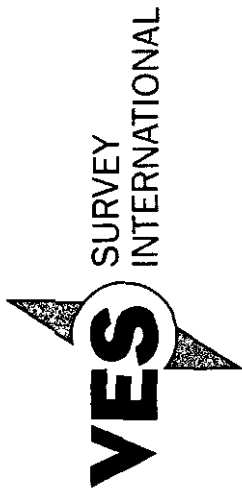
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/S FT	+E/W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
8875.52	0.98	176.52	8860.41	29.57	143.56	29.57	146.57	78.36	2.46
8969.14	0.66	237.94	8954.02	28.48	143.15	28.48	145.95	78.75	0.94
9062.76	0.92	272.69	9047.63	28.23	141.93	28.23	144.71	78.75	0.57
9156.38	0.76	269.11	9141.24	28.25	140.56	28.25	143.37	78.63	0.18
9250.00	0.79	258.41	9234.85	28.12	139.31	28.12	142.11	78.59	0.16
9343.62	0.91	240.85	9328.46	27.62	138.02	27.62	140.76	78.68	0.31
9437.24	1.12	234.44	9422.07	26.72	136.62	26.72	139.21	78.93	0.25
9530.86	1.35	215.28	9515.67	25.29	135.24	25.29	137.58	79.41	0.50
9624.48	1.41	213.68	9609.26	23.44	133.97	23.44	136.00	80.08	0.07
9718.10	1.43	207.29	9702.85	21.45	132.80	21.45	134.52	80.83	0.17
9811.72	1.54	189.60	9796.44	19.17	132.05	19.17	133.44	81.74	0.50

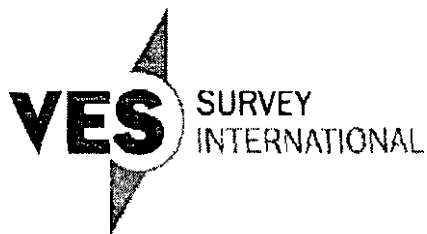


VES Survey International
Midland, TX
432-563-5444

Surveyor: Andrew Askew

Janie Conner 13 24S 28E RB 224H / API 30-015-43037





I Andy Askew certify that I am employed by Vaughn Energy Services. That I did on the day(s) of 09/06/15 through 09/06/15 conduct or supervise the taking of a MS Gyro survey from a depth of 0 feet to a depth of 9811.72 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 for the Janie Conner 13 24S 28E RB Well # 224H API # 30-015-43037 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



Andy Askew
Service Technician
Vaughn Energy Services



I Andy Askew certify that I am employed by Vaughn Energy Services. That I did on the day(s) of 09/06/15 through 09/06/15 conduct or supervise the taking of a MS Gyro survey from a depth of 0 feet to a depth of 9811.72 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 for the Janie Conner 13 24S 28E RB Well # 224H API # 30-015-43037 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



Andy Askew
Service Technician
Vaughn Energy Services



PHOENIX
TECHNOLOGY SERVICES

October 29, 2015

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

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 04 2015

Re: Matador Resources
Janie Conner 13-24S-28E RB #224H
Eddy County, New Mexico
API #30-015-43037
Job No. 1514028

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	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Chris Roe	224H	9,869	15,422	09/05/15	09/27/15	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

1514028

ENERGY COMPANY

Matador Resources

WELL NAME

Janie Conner 13-24S-28E RB 224H

COUNTY & STATE

Eddy County, New Mexico

API WELL NUMBER

30-015-43037

PROPOSED DIRECTION

90.33°

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
9,811.72 ft	9,796.44 ft	1.54°	189.60°	19.17 ft	132.05 ft	Gyro

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
5-Sep-15	9,869.00 ft	2.2°	173.1°

SURVEY INSTRUMENT
TYPE
Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
27-Sep-15	15,422.00 ft	97.9°	92.5°

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
27-Sep-15	15,490.00 ft	97.9°	92.5°

Chris Roe

PRINT YOUR NAME ABOVE

Chris Roe

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.28
DECLINATION OR GRID	GRID

9/27/2015

TODAY'S DATE

MWD SUPERVISOR 1

Chris Roe

DIRECTIONAL DRILLER 1

Dustin Barnett

MWD SUPERVISOR 2

Greg Duchow

DIRECTIONAL DRILLER 2

Kevin Ho

12329 Cutten Rd.,

Houston, Texas 777066

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



NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 04 2015

RECEIVED

Matador Resources

Eddy County, NM (NAD27 NME)

Janie Conner 13-24S-28E RB

224H

OH / Job 1514028

Survey: Phoenix MWD Surveys

Standard Survey Report

29 October, 2015





Phoenix Technology Services LP

Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 224H
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:	224H	North Reference:	Grid
Wellbore:	OH / Job 1514028	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	Latitude: 32° 12' 41.50948 N
From:	Map	Easting:	587,754.00 usft	Longitude: 104° 2' 58.55371 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.15 °

Well	224H			
Well Position	+N/-S	0.00 usft	Northing:	440,820.00 usft
	+E/-W	0.00 usft	Easting:	587,753.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 2,978.00 usft

Wellbore	OH / Job 1514028				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/13/2015	7.43	60.07	48,307

Design	Surveys (Patterson 297)			
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	90.33

Survey Program	Date 10/29/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
75.24	9,811.72	VES Gyro Survey (OH / Job 1514028)	NS-GYRO-MS	North sensing gyrocompassing m/s
9,869.00	15,490.00	Phoenix MWD Surveys (OH / Job 1514028)	PHX+MWD+HDGM	PHX+OWSG MWD + HDGM

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)
9,811.72	1.54	189.60	9,796.44	19.17	132.05	131.94	0.00	0.00	0.00
Tie-in to VES Gyros									
9,869.00	2.20	173.10	9,853.69	17.32	132.05	131.95	1.48	1.15	-28.81
First Phoenix Survey									
9,890.00	2.30	170.80	9,874.67	16.50	132.17	132.07	0.64	0.48	-10.95
9,922.00	2.50	171.50	9,906.64	15.18	132.38	132.29	0.63	0.63	2.19
9,953.00	3.00	163.10	9,937.61	-13.73	132.71	132.63	2.07	1.61	-27.10
9,984.00	4.80	139.50	9,968.53	11.97	133.79	133.72	7.66	5.81	-76.13
10,015.00	7.60	127.30	9,999.35	9.74	136.26	136.20	9.93	9.03	-39.35



Phoenix Technology Services LP

Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 224H
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:	224H	North Reference:	Grid
Wellbore:	OH / Job 1514028	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)
10,046.00	10.20	114.90	10,029.98	7.34	140.38	140.34	10.38	8.39	-40.00
10,078.00	12.90	106.10	10,061.33	5.16	146.39	146.36	10.05	8.44	-27.50
10,109.00	15.80	101.10	10,091.36	3.39	153.86	153.83	10.16	9.35	-16.13
10,140.00	18.00	97.30	10,121.02	1.97	162.75	162.74	7.94	7.10	-12.26
10,171.00	19.20	94.50	10,150.40	0.96	172.58	172.57	4.82	3.87	-9.03
10,203.00	20.80	94.60	10,180.47	0.09	183.49	183.49	5.00	5.00	0.31
10,234.00	22.30	98.00	10,209.30	-1.17	194.80	194.81	6.29	4.84	10.97
10,265.00	24.00	99.70	10,237.81	-3.05	206.84	206.86	5.89	5.48	5.48
10,296.00	27.70	97.40	10,265.70	-5.04	220.21	220.23	12.36	11.94	-7.42
10,327.00	30.60	97.30	10,292.77	-6.97	235.18	235.22	9.36	9.35	-0.32
10,358.00	34.20	97.80	10,318.94	-9.16	251.65	251.69	11.64	11.61	1.61
10,390.00	37.90	96.80	10,344.81	-11.54	270.32	270.38	11.71	11.56	-3.13
10,421.00	41.80	96.70	10,368.60	-13.88	290.05	290.12	12.58	12.58	-0.32
10,452.00	45.00	97.50	10,391.13	-16.51	311.18	311.27	10.47	10.32	2.58
10,483.00	48.30	98.90	10,412.40	-19.74	333.48	333.59	11.14	10.65	4.52
10,514.00	51.80	99.80	10,432.31	-23.60	356.93	357.06	11.51	11.29	2.90
10,546.00	55.30	99.50	10,451.32	-27.91	382.30	382.46	10.96	10.94	-0.94
10,577.00	59.00	99.60	10,468.13	-32.23	407.98	408.16	11.94	11.94	0.32
10,608.00	62.30	98.80	10,483.32	-36.55	434.65	434.85	10.88	10.65	-2.58
10,639.00	66.00	98.30	10,496.83	-40.70	462.23	462.46	12.02	11.94	-1.61
10,670.00	70.20	97.80	10,508.39	-44.72	490.70	490.95	13.63	13.55	-1.61
10,768.00	78.90	97.30	10,534.48	-57.11	584.26	584.57	8.89	8.88	-0.51
10,770.00	79.07	97.16	10,534.86	-57.36	586.20	586.52	10.92	8.36	-7.15
FPP HL Crossing: 10770' MD									
10,799.00	81.50	95.10	10,539.75	-60.41	614.62	614.96	10.92	8.39	-7.09
10,831.00	82.70	94.20	10,544.15	-62.98	646.21	646.56	4.67	3.75	-2.81
10,863.00	89.10	93.60	10,546.44	-65.15	678.04	678.40	20.09	20.00	-1.88
10,917.00	87.40	93.20	10,548.09	-68.35	731.92	732.30	3.23	-3.15	-0.74
11,012.00	88.40	93.80	10,551.57	-74.14	826.67	827.09	1.23	1.05	0.63
11,106.00	92.10	96.80	10,551.16	-82.82	920.24	920.71	5.07	3.94	3.19
11,201.00	86.50	91.70	10,552.32	-89.86	1,014.91	1,015.41	7.97	-5.89	-5.37
11,296.00	85.40	90.00	10,559.03	-91.27	1,109.65	1,110.16	2.13	-1.16	-1.79
11,390.00	84.10	90.50	10,567.63	-91.68	1,203.26	1,203.76	1.48	-1.38	0.53
11,484.00	88.40	90.40	10,573.78	-92.41	1,297.03	1,297.54	4.58	4.57	-0.11
11,579.00	93.00	92.00	10,572.62	-94.40	1,391.97	1,392.49	5.13	4.84	1.68
11,673.00	89.10	91.70	10,570.89	-97.43	1,485.89	1,486.43	4.16	-4.15	-0.32
11,768.00	92.30	92.30	10,569.73	-100.75	1,580.81	1,581.37	3.43	3.37	0.63
11,862.00	89.00	92.90	10,568.67	-105.01	1,674.70	1,675.27	3.57	-3.51	0.64
11,957.00	88.80	94.40	10,570.49	-111.06	1,769.48	1,770.09	1.59	-0.21	1.58
12,051.00	87.60	98.20	10,573.44	-121.36	1,862.85	1,863.52	4.24	-1.28	4.04
12,122.00	88.00	101.90	10,576.17	-133.74	1,932.70	1,933.44	5.24	0.56	5.21
12,217.00	87.70	89.60	10,579.75	-143.24	2,026.97	2,027.76	12.94	-0.32	-12.95
12,332.00	88.40	90.20	10,583.66	-143.04	2,141.90	2,142.69	0.80	0.61	0.52
12,426.00	88.60	81.90	10,586.13	-136.57	2,235.57	2,236.32	8.83	0.21	-8.83



Phoenix Technology Services LP

Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 224H
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:	224H	North Reference:	Grid
Wellbore:	OH / Job 1514028	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)
12,521.00	88.60	81.50	10,588.45	-122.86	2,329.54	2,330.21	0.42	0.00	-0.42
12,615.00	88.70	87.30	10,590.66	-113.69	2,423.03	2,423.64	6.17	0.11	6.17
12,710.00	86.00	85.40	10,595.06	-107.65	2,517.72	2,518.30	3.47	-2.84	-2.00
12,805.00	81.00	81.50	10,605.81	-96.91	2,611.45	2,611.96	6.66	-5.26	-4.11
12,899.00	79.80	82.10	10,621.49	-83.69	2,703.18	2,703.62	1.42	-1.28	0.64
12,994.00	83.40	77.90	10,635.37	-67.36	2,795.70	2,796.04	5.79	3.79	-4.42
13,088.00	89.60	77.90	10,641.11	-47.70	2,887.39	2,887.62	6.60	6.60	0.00
13,182.00	93.30	86.00	10,638.72	-34.55	2,980.34	2,980.49	9.47	3.94	8.62
13,276.00	92.00	89.50	10,634.38	-30.87	3,074.15	3,074.28	3.97	-1.38	3.72
13,371.00	89.30	90.00	10,633.30	-30.45	3,169.13	3,169.26	2.89	-2.84	0.53
13,465.00	88.80	89.80	10,634.86	-30.29	3,263.12	3,263.24	0.57	-0.53	-0.21
13,560.00	90.30	89.10	10,635.60	-29.38	3,358.11	3,358.22	1.74	1.58	-0.74
13,654.00	90.20	91.30	10,635.19	-29.70	3,452.10	3,452.22	2.34	-0.11	2.34
13,749.00	89.00	90.40	10,635.86	-31.11	3,547.09	3,547.21	1.58	-1.26	-0.95
13,843.00	89.60	91.30	10,637.00	-32.51	3,641.07	3,641.20	1.15	0.64	0.96
13,938.00	91.10	91.80	10,636.42	-35.08	3,736.03	3,736.17	1.66	1.58	0.53
14,035.00	92.20	91.20	10,633.63	-37.62	3,832.95	3,833.11	1.29	1.13	-0.62
14,130.00	86.50	86.80	10,634.71	-35.96	3,927.87	3,928.01	7.58	-6.00	-4.63
14,224.00	90.10	88.60	10,637.50	-32.19	4,021.73	4,021.85	4.28	3.83	1.91
14,319.00	86.50	87.60	10,640.32	-29.05	4,116.62	4,116.72	3.93	-3.79	-1.05
14,413.00	87.30	90.80	10,645.40	-27.74	4,210.46	4,210.55	3.50	0.85	3.40
14,508.00	91.90	94.60	10,646.06	-32.21	4,305.31	4,305.43	6.28	4.84	4.00
14,603.00	88.70	94.60	10,645.57	-39.83	4,399.99	4,400.15	3.37	-3.37	0.00
14,697.00	89.50	95.60	10,647.04	-48.18	4,493.61	4,493.81	1.36	0.85	1.06
14,791.00	88.70	96.30	10,648.52	-57.93	4,587.09	4,587.35	1.13	-0.85	0.74
14,886.00	86.60	96.40	10,652.41	-68.42	4,681.42	4,681.74	2.21	-2.21	0.11
14,980.00	94.60	98.80	10,651.43	-80.84	4,774.51	4,774.89	8.88	8.51	2.55
15,074.00	96.70	96.40	10,642.18	-93.22	4,867.22	4,867.67	3.38	2.23	-2.55
15,168.00	97.60	95.00	10,630.47	-102.48	4,960.02	4,960.53	1.76	0.96	-1.49
15,264.00	97.30	93.40	10,618.03	-109.45	5,054.95	5,055.50	1.68	-0.31	-1.67
15,358.00	96.70	93.50	10,606.57	-115.07	5,148.08	5,148.66	0.65	-0.64	0.11
15,405.00	97.58	92.77	10,600.73	-117.61	5,194.65	5,195.24	2.43	1.88	-1.56
LPP HL Crossing: 15405' MD									
15,422.00	97.90	92.50	10,598.44	-118.39	5,211.47	5,212.07	2.43	1.87	-1.57
Final Phoenix Survey									
15,490.00	97.90	92.50	10,589.09	-121.33	5,278.76	5,279.38	0.00	0.00	0.00
Projection to TD									



Phoenix Technology Services LP
Survey Report



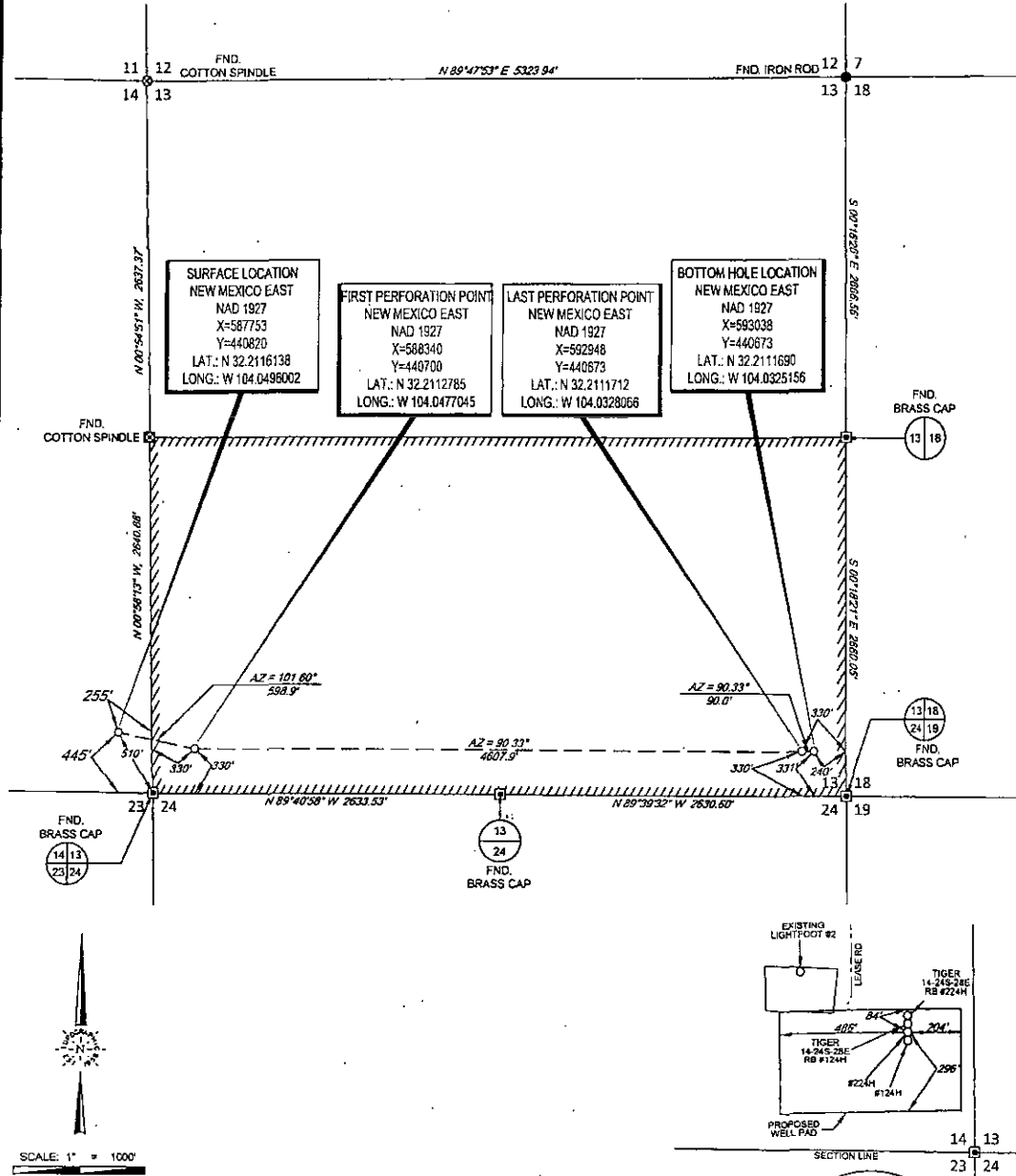
Company:	Matador Resources	Local Co-ordinate Reference:	Well 224H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3005.50usft (Patterson 297)
Site:	Janie Conner 13-24S-28E RB	MD Reference:	RKB @ 3005.50usft (Patterson 297)
Well:	224H	North Reference:	Grid
Wellbore:	OH / Job 151402B	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	Compass 5000 GCR

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,811.72	9,796.44	19.15	132.14	Tie-in to VES Gyros
9,869.00	9,853.69	17.30	132.14	First Phoenix Survey
10,770.00	10,534.86	-57.38	586.29	FPP HL Crossing: 10770' MD
15,405.00	10,600.31	-113.72	5,194.70	LPP HL Crossing: 15405' MD
15,422.00	10,598.02	-114.49	5,211.53	Final Phoenix Survey
15,490.00	10,588.67	-117.43	5,278.82	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



SECTION 14, TOWNSHIP 24-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: JANIE CONNER 13-24S-28E RB #224H

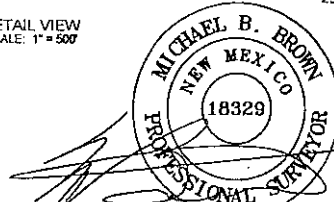
SECTION 14 TWP 24-S RGE 28-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 445' FSL & 255' FEL

DISTANCE & DIRECTION
FROM INT. OF US-285 & DUARTE RD. GO EAST ON DUARTE RD.
±1.3 MILES, THENCE SOUTH (RIGHT) ON McDONALD RD. ±0.8
MILES, THENCE SOUTH (RIGHT) ON LEASE RD. ±0.1 MILES TO A
POINT ±450 FEET EAST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID
BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST 22ND 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.

DETAIL VIEW
SCALE: 1" = 500'



Michael Blake Brown, P.S. No. 18329
MARCH 3, 2015



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1406 EVERMAN PARKWAY, SUITE 107 - FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 - FAX: (817) 744-7548
2907 NORTH BIG SPRING - MIDLAND, TEXAS 79705
TELEPHONE: (432) 882-1853 OR (800) 787-1853 - FAX: (432) 882-1743
WWW.TOPOGRAPHIC.COM