



Job Number: SVMO-150311
 Company: Matador Production Co.
 Lease/Well: Tiger 14 24S 2BE RB 124H
 Location: Eddy County, NM
 Rig Name: Patterson #297
 RKB: 28'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.36°
 Grid: East To Grid North
 File name: S:\2015SU-1\MATADOR\MO\TIGER\1424S2-1\RB124H.SVY
 Date/Time: 23-Apr-15 / 09:37
 Curve Name: Surface - 564' M.D. (Rate Gyro)

NM OIL CONSERVATION
 ARTESIA DISTRICT
 AUG 14 2015
 RECEIVED

MS Survey

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 564' MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
Harley Patterson 4/23/15
 MS Energy Services Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
104.00	.38	78.90	104.00	.07	.34	.07	.34	78.90	.37
196.00	.29	40.36	196.00	.30	.79	.30	.84	69.01	.26
288.00	.31	238.48	288.00	.35	.73	.35	.81	64.31	.64
380.00	.20	196.15	380.00	.07	.47	.07	.47	82.07	.23
472.00	.51	97.20	472.00	-.14	.83	-.14	.84	99.56	.63
Last Survey Depth Recorded									
564.00	.10	103.11	563.99	-.21	1.32	-.21	1.33	99.05	.45

15-43012

Phoenix Technology Services
SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER

1513390

OPERATOR

Matador Resources

WELL NAME

Tiger 14-24S-28E RB #124H

COUNTY & STATE

Eddy County, NM

API WELL NUMBER

30-015-43012

PROPOSED DIRECTION

280.7°

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
7,500 ft	7,493.85 ft	5.52°	254.95°	59.48 S	112.29 W	VES.GYRO

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
29-Apr-15	7,616 ft	4.6°	257.8°

SURVEY INSTRUMENT
TYPE
Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
3-May-15	12,898 ft	95.0°	270.8°

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
3-May-15	12,975 ft	95.0°	270.8°

Shane King

PRINT YOUR NAME ABOVE

Shane King

SIGN YOUR NAME ABOVE

4-May-15

TODAY'S DATE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	
	7.32
DECLINATION OR GRID	GRID

MWD SUPERVISOR 1

Shane King

DIRECTIONAL DRILLER 1

Brent Shipley

MWD SUPERVISOR 2

Seth Mollerup

DIRECTIONAL DRILLER 2

Dustin Barnett

12329 Cutten Road

Houston, Texas 77066

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



30-015-43012

May 1, 2015

MAY 04 2015

AUG 10 2015

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

Attn: Drilling Department

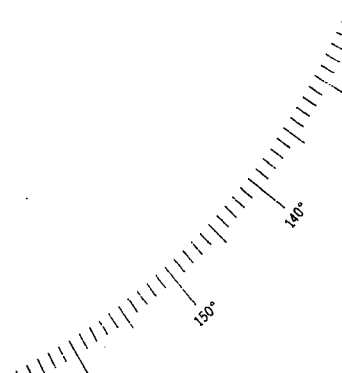
Re: **Tiger 14-24S-28E RB 124H**

Please find enclosed a copy of the survey from 692' to 7500' 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: Tiger 14-24S-28E RB/124H

Rig Name: Patterson 297
State/County: New Mexico/Eddy
VS-Azi: 0.00 Degrees
Latitude: 32.21170, Longitude: -104.04960
Grid Convergence Applied = -0.15 degs (NAD 27)
Grid North = True North -0.15 degs



Depth Reference : RKB = 28.5 Foot

DRILLOG HA GYRO SURVEY CALCULATIONS
Filename: ...4s-28e rb 124h_gyro survey.ut
Minimum Curvature Method
Report Date/Time: 5/1/2015 / 14:14

VES Survey International
West Texas
(432) 563-5444
Surveyor: Gene Helss
Tiger 14-24S-28E RB 124H / API 30-015-43012

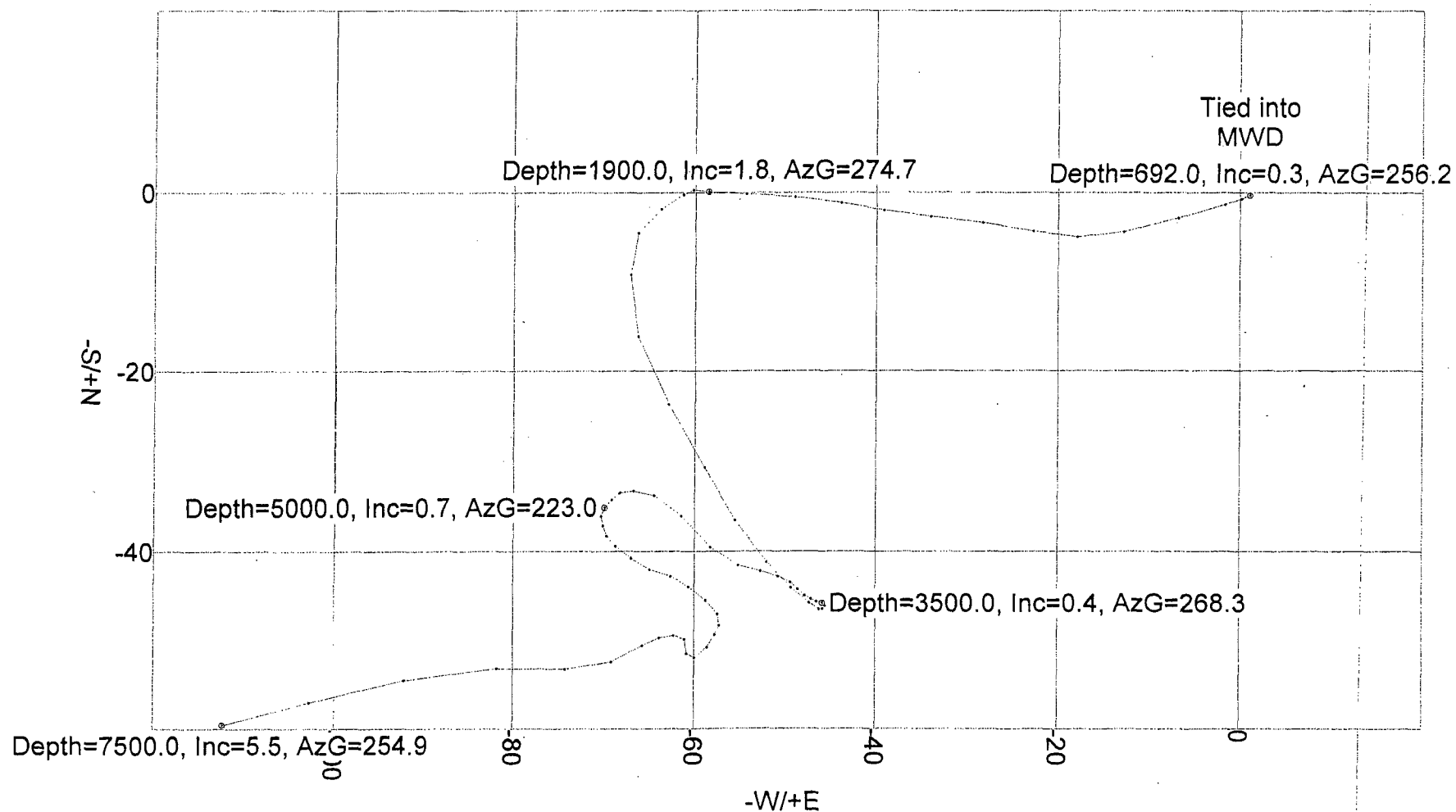
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
Tied into MWD									
692.00	0.31	256.20	691.99	-0.32	1.09	-0.32	1.14	106.36	****
750.00	1.71	246.28	749.98	-0.71	0.14	-0.71	0.72	168.47	2.43
800.00	2.67	252.45	799.94	-1.36	-1.65	-1.36	2.14	230.56	1.97
900.00	3.45	254.72	899.80	-2.85	-6.77	-2.85	7.35	247.16	0.78
1000.00	3.61	255.72	999.61	-4.42	-12.72	-4.42	13.47	250.83	0.17
1100.00	2.46	274.77	1099.47	-5.02	-17.90	-5.02	18.59	254.34	1.51
1200.00	3.12	280.50	1199.35	-4.34	-22.71	-4.34	23.13	259.17	0.72
1300.00	3.41	278.93	1299.19	-3.39	-28.33	-3.39	28.53	263.18	0.30
1400.00	3.23	274.71	1399.02	-2.69	-34.07	-2.69	34.18	265.48	0.30
1500.00	2.72	281.27	1498.89	-2.00	-39.20	-2.00	39.25	267.08	0.62
1600.00	2.74	279.83	1598.77	-1.13	-43.88	-1.13	43.89	268.52	0.07
1700.00	3.17	274.38	1698.64	-0.51	-48.99	-0.51	48.99	269.40	0.51
1800.00	3.03	273.23	1798.50	-0.15	-54.38	-0.15	54.38	269.84	0.16
1900.00	1.75	274.67	1898.41	0.12	-58.54	0.12	58.54	270.12	1.28
2000.00	0.25	286.26	1998.39	0.31	-60.27	0.31	60.27	270.29	1.51

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
2100.00	1.20	236.48	2098.38	-0.21	-61.34	-0.21	61.34	269.80	1.05
2200.00	2.18	236.98	2198.34	-1.82	-63.81	-1.82	63.83	268.36	0.99
2300.00	2.15	208.74	2298.27	-4.51	-66.30	-4.51	66.46	266.11	1.06
2400.00	3.51	178.89	2398.15	-9.20	-67.15	-9.20	67.77	262.19	1.96
2500.00	4.47	167.95	2497.91	-16.08	-66.27	-16.08	68.19	256.37	1.23
2600.00	5.31	146.75	2597.55	-23.76	-62.92	-23.76	67.26	249.31	1.98
2700.00	3.90	154.28	2697.22	-30.69	-58.91	-30.69	66.43	242.48	1.54
2800.00	3.87	145.62	2797.00	-36.54	-55.53	-36.54	66.47	236.65	0.59
2900.00	2.86	139.17	2896.82	-41.21	-51.99	-41.21	66.34	231.60	1.07
3000.00	1.72	132.29	2996.74	-44.11	-49.25	-44.11	66.11	228.15	1.17
3100.00	1.28	128.33	3096.71	-45.81	-47.26	-45.81	65.82	225.89	0.45
3200.00	0.23	92.19	3196.70	-46.52	-46.18	-46.52	65.55	224.79	1.10
3300.00	0.23	85.88	3296.70	-46.51	-45.78	-46.51	65.26	224.55	0.03
3400.00	0.39	11.81	3396.69	-46.16	-45.51	-46.16	64.83	224.59	0.39
3500.00	0.40	268.26	3496.69	-45.84	-45.79	-45.84	64.80	224.97	0.62
3600.00	0.37	296.39	3596.69	-45.71	-46.43	-45.71	65.15	225.45	0.19
3700.00	0.40	294.69	3696.69	-45.42	-47.04	-45.42	65.39	226.01	0.04
3800.00	0.53	305.07	3796.69	-45.00	-47.74	-45.00	65.61	226.69	0.15
3900.00	0.72	320.87	3896.68	-44.24	-48.52	-44.24	65.67	227.64	0.26
4000.00	0.60	300.64	3996.67	-43.49	-49.37	-43.49	65.79	228.63	0.26
4100.00	1.14	293.20	4096.66	-42.83	-50.74	-42.83	66.40	229.83	0.55
4200.00	1.20	280.97	4196.64	-42.24	-52.68	-42.24	67.52	231.28	0.26
4300.00	1.75	288.47	4296.61	-41.55	-55.16	-41.55	69.06	233.01	0.59
4400.00	2.57	313.98	4396.54	-39.51	-58.22	-39.51	70.36	235.84	1.24
4500.00	2.90	319.17	4496.42	-36.04	-61.49	-36.04	71.27	239.62	0.42
4600.00	1.55	284.89	4596.35	-33.78	-64.45	-33.78	72.77	242.34	1.84
4700.00	1.17	275.46	4696.32	-33.33	-66.78	-33.33	74.64	243.47	0.44
4800.00	0.64	240.60	4796.31	-33.51	-68.28	-33.51	76.06	243.86	0.74
4900.00	0.66	220.42	4896.30	-34.22	-69.14	-34.22	77.14	243.67	0.23
5000.00	0.68	222.96	4996.30	-35.09	-69.92	-35.09	78.23	243.35	0.04
5100.00	0.62	180.29	5096.29	-36.07	-70.32	-36.07	79.03	242.85	0.48
5200.00	0.63	159.19	5196.28	-37.12	-70.13	-37.12	79.35	242.11	0.23
5300.00	0.74	161.75	5296.28	-38.25	-69.73	-38.25	79.53	241.26	0.12
5400.00	1.11	123.25	5396.26	-39.39	-68.72	-39.39	79.21	240.18	0.70
5500.00	1.40	132.35	5496.24	-40.75	-67.01	-40.75	78.43	238.70	0.35
5600.00	1.40	111.00	5596.21	-42.00	-64.97	-42.00	77.37	237.12	0.52
5700.00	1.39	106.21	5696.18	-42.78	-62.67	-42.78	75.88	235.68	0.12
5800.00	1.40	134.22	5796.15	-43.97	-60.63	-43.97	74.90	234.05	0.68
5900.00	1.41	124.82	5896.12	-45.53	-58.74	-45.53	74.32	232.22	0.23
6000.00	0.99	160.15	5996.10	-47.05	-57.44	-47.05	74.24	230.68	0.83

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
6100.00	0.53	194.41	6096.09	-48.31	-57.26	-48.31	74.91	229.85	0.63
6200.00	0.77	209.15	6196.09	-49.35	-57.70	-49.35	75.92	229.46	0.30
6300.00	1.11	212.59	6296.07	-50.75	-58.55	-50.75	77.49	229.08	0.34
6400.00	1.13	247.21	6396.06	-51.95	-59.99	-51.95	79.36	229.10	0.67
6500.00	0.99	3.55	6496.05	-51.47	-60.84	-51.47	79.69	229.77	1.81
6600.00	0.94	342.48	6596.03	-49.82	-61.04	-49.82	78.79	230.77	0.36
6700.00	1.23	247.67	6696.02	-49.45	-62.28	-49.45	79.52	231.55	1.61
6800.00	0.70	283.61	6796.01	-49.72	-63.87	-49.72	80.94	232.10	0.78
6900.00	1.82	232.84	6895.98	-50.53	-65.73	-50.53	82.91	232.45	1.47
7000.00	2.70	247.58	6995.91	-52.39	-69.17	-52.39	86.77	232.86	1.05
7100.00	3.36	271.56	7095.77	-53.20	-74.27	-53.20	91.36	234.38	1.41
7200.00	5.33	269.85	7195.48	-53.14	-81.84	-53.14	97.58	237.01	1.97
7300.00	6.68	257.22	7294.93	-54.44	-92.16	-54.44	107.03	239.43	1.89
7400.00	5.81	255.64	7394.34	-56.98	-102.74	-56.98	117.48	240.99	0.89
7500.00	5.52	254.95	7493.85	-59.48	-112.29	-59.48	127.07	242.09	0.29



VES Survey International
West Texas
(432) 563-5444
Surveyor: Gene Heiss
Tiger 14-24S-28E RB 124H / API 30-015-43012

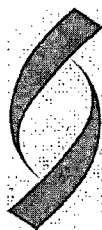




I Gene Heiss certify that I am employed by Vaughn Energy Services. That I did on the day(s) of 04/28/15 through 04/28/15 conduct or supervise the taking of a Rate Gyro survey from a depth of 692 feet to a depth of 7490 feet; that the data is true, correct, complete and within the limitations of the tool 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 Tiger 14 24S-28E RB Well # 124H API # 30-015-43012 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

A handwritten signature in black ink, appearing to read "Gene Heiss", written over a horizontal line.

Gene Heiss
Service Technician
Vaughn Energy Services



PHOENIX
TECHNOLOGY SERVICES

May 8, 2015

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

Dear District 1 - Hobbs

Re: Matador Resources
Tiger 14-24S-28E RB # 124H
Eddy Co., New Mexico
API #30-015-43012
Job No. 1513390

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 14 2015

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	
Shane King	124H	7,616	12,898	04/29/15	05/03/15	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,

Alva J. Dunigan

Alva J. Dunigan
Operations Administrator

Certified mail receipt number: 7011 1570 0001 4365 0564



Matador Resources

Eddy County, New Mexico (NAD27 NME)

Tiger 14-24S-28E RB

#124H

WB1 / Job #1513390

Survey: Phoenix MWD Surveys

Standard Survey Report

04 May, 2015





Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well #124H
Project:	Eddy County, New Mexico (NAD27 NME)	TVD Reference:	KB @ 3005.50usft (Patterson 297)
Site:	Tiger 14-24S-28E RB	MD Reference:	KB @ 3005.50usft (Patterson 297)
Well:	#124H	North Reference:	Grid
Wellbore:	WB1 / Job #1513390	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	Compass 5000 GCR

Project	Eddy County, New Mexico (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	Tiger 14-24S-28E RB		
Site Position:	Map	Northing:	440,880.00 usft
From:		Easting:	587,752.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 12' 42.40019 N
		Longitude:	104° 2' 58.57422 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' 42.10328 N
		Longitude:	104° 2' 58.56350 W
		Ground Level:	2,978.00 usft

Wellbore	WB1 / Job #1513390		
Magnetics	Model Name	Sample Date	Declination
	HDGM	4/15/2015	7.47
		Dip Angle	60.08
		Field Strength	48,309

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	270.80
		(°)	

Survey Program	Date 5/4/2015		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
750.00	7,500.00	VES Gyro Survey (WB1 / Job #1513390)	NS-GYRO-MS
7,616.00	12,975.00	Phoenix MWD Surveys (WB1 / Job #1513)	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)
7,500.00	5.52	254.95	7,493.85	-59.48	-112.29	111.45	0.00	0.00	0.00
Tie-in to VES Gyros									
7,616.00	4.60	257.80	7,609.39	-61.91	-122.22	121.35	0.82	-0.79	2.46
First Phoenix Survey									
7,710.00	5.30	238.60	7,703.05	-64.97	-129.61	128.70	1.90	0.74	-20.43
7,741.00	6.10	243.50	7,733.90	-66.45	-132.31	131.37	3.02	2.58	15.81
7,772.00	8.30	254.10	7,764.65	-67.80	-135.94	134.98	8.26	7.10	34.19
7,804.00	11.10	255.60	7,796.19	-69.20	-141.14	140.16	8.78	8.75	4.69
7,835.00	14.20	256.10	7,826.43	-70.85	-147.73	146.72	10.01	10.00	1.61



Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well #124H
Project:	Eddy County New Mexico (NAD27 NME)	TVD Reference:	KB @ 3005.50usft (Patterson 297)
Site:	Tiger 14°24S-28E RB	MD Reference:	KB @ 3005.50usft (Patterson 297)
Well:	#124H	North Reference:	Grid
Wellbore:	WB1 / Job #1513390	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)
7,866.00	17.40	257.10	7,856.26	-72.80	-155.94	154.91	10.36	10.32	3.23
7,897.00	19.70	257.80	7,885.65	-74.94	-165.56	164.50	7.45	7.42	2.26
7,928.00	22.20	258.90	7,914.59	-77.17	-176.42	175.33	8.16	8.06	3.55
7,959.00	24.00	261.90	7,943.11	-79.19	-188.41	187.29	6.94	5.81	9.68
7,991.00	24.70	264.80	7,972.26	-80.71	-201.51	200.37	4.33	2.19	9.06
8,022.00	25.70	268.00	8,000.31	-81.54	-214.68	213.52	5.45	3.23	10.32
8,053.00	27.10	268.90	8,028.08	-81.91	-228.46	227.29	4.70	4.52	2.90
8,084.00	29.00	268.50	8,055.44	-82.24	-243.03	241.86	6.16	6.13	-1.29
8,115.00	31.70	268.80	8,082.19	-82.61	-258.69	257.51	8.72	8.71	0.97
8,147.00	34.40	269.10	8,109.01	-82.92	-276.14	274.95	8.45	8.44	0.94
8,178.00	37.00	269.40	8,134.18	-83.16	-294.22	293.03	8.41	8.39	0.97
8,209.00	40.10	269.10	8,158.42	-83.41	-313.54	312.34	10.02	10.00	-0.97
8,240.00	42.50	268.90	8,181.71	-83.77	-333.99	332.79	7.75	7.74	-0.65
8,272.00	45.50	268.60	8,204.72	-84.26	-356.21	355.00	9.40	9.38	-0.94
8,303.00	48.00	268.70	8,225.96	-84.79	-378.79	377.57	8.07	8.06	0.32
8,334.00	50.60	269.40	8,246.18	-85.18	-402.28	401.05	8.56	8.39	2.26
8,365.00	53.70	270.10	8,265.20	-85.28	-426.76	425.53	10.16	10.00	2.26
8,397.00	57.30	270.70	8,283.32	-85.09	-453.12	451.89	11.36	11.25	1.88
8,428.00	60.90	271.00	8,299.23	-84.70	-479.72	478.49	11.64	11.61	0.97
8,459.00	64.40	271.20	8,313.47	-84.17	-507.24	506.02	11.30	11.29	0.65
8,490.00	68.60	271.10	8,325.83	-83.60	-535.66	534.44	13.55	13.55	-0.32
8,521.00	72.40	270.60	8,336.18	-83.17	-564.87	563.66	12.35	12.26	-1.61
8,553.00	75.80	269.90	8,344.94	-83.03	-595.64	594.43	10.83	10.63	-2.19
8,584.00	79.70	269.50	8,351.52	-83.19	-625.93	624.71	12.64	12.58	-1.29
8,615.00	82.40	269.50	8,356.34	-83.46	-656.55	655.32	8.71	8.71	0.00
8,646.00	85.30	269.10	8,359.66	-83.84	-687.37	686.13	9.44	9.35	-1.29
8,685.00	87.00	269.20	8,362.28	-84.41	-726.27	725.02	4.37	4.36	0.26
8,778.00	91.20	269.60	8,363.74	-85.39	-819.23	817.96	4.54	4.52	0.43
8,872.00	92.50	269.10	8,360.71	-86.45	-913.18	911.88	1.48	1.38	-0.53
8,966.00	93.80	268.90	8,355.54	-88.09	-1,007.02	1,005.69	1.40	1.38	-0.21
9,059.00	93.90	269.20	8,349.30	-89.63	-1,099.80	1,098.44	0.34	0.11	0.32
9,153.00	93.10	268.90	8,343.56	-91.18	-1,193.61	1,192.22	0.91	-0.85	-0.32
9,246.00	92.10	268.00	8,339.34	-93.70	-1,286.47	1,285.04	1.45	-1.08	-0.97
9,340.00	89.30	270.10	8,338.19	-95.26	-1,380.44	1,378.98	3.72	-2.98	2.23
9,434.00	87.60	270.70	8,340.74	-94.60	-1,474.40	1,472.94	1.92	-1.81	0.64
9,527.00	85.50	271.00	8,346.33	-93.22	-1,567.22	1,565.76	2.28	-2.26	0.32
9,621.00	85.10	272.00	8,354.03	-90.77	-1,660.87	1,659.44	1.14	-0.43	1.06
9,715.00	87.30	272.30	8,360.26	-87.25	-1,754.59	1,753.20	2.36	2.34	0.32
9,808.00	91.00	274.10	8,361.64	-82.06	-1,847.41	1,846.09	4.42	3.98	1.94
9,902.00	92.80	274.10	8,358.53	-75.34	-1,941.12	1,939.88	1.91	1.91	0.00
9,995.00	95.00	273.90	8,352.20	-68.87	-2,033.67	2,032.51	2.38	2.37	-0.22
10,089.00	94.50	272.70	8,344.42	-63.48	-2,127.19	2,126.10	1.38	-0.53	-1.28
10,182.00	93.90	272.90	8,337.61	-58.95	-2,219.83	2,218.79	0.68	-0.65	0.22



Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well #124H
Project:	Eddy County, New Mexico (NAD27 NME)	TVD Reference:	KB @ 3005.50usft (Patterson 297)
Site:	Tiger 14-24S-28E RB	MD Reference:	KB @ 3005.50usft (Patterson 297)
Well:	#124H	North Reference:	Grid
Wellbore:	WB1 / Job #1513390	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	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)
10,276.00	96.00	272.10	8,329.50	-54.86	-2,313.38	2,312.39	2.39	2.23	-0.85
10,370.00	95.20	272.50	8,320.32	-51.11	-2,406.86	2,405.91	0.95	-0.85	0.43
10,463.00	94.50	272.40	8,312.46	-47.15	-2,499.44	2,498.54	0.76	-0.75	-0.11
10,557.00	93.20	272.00	8,306.15	-43.55	-2,593.16	2,592.29	1.45	-1.38	-0.43
10,651.00	93.60	271.70	8,300.57	-40.52	-2,686.94	2,686.11	0.53	0.43	-0.32
10,744.00	91.20	270.90	8,296.68	-38.41	-2,779.83	2,779.02	2.72	-2.58	-0.86
10,838.00	90.70	270.50	8,295.12	-37.26	-2,873.81	2,873.01	0.68	-0.53	-0.43
10,932.00	91.60	271.10	8,293.23	-35.95	-2,967.78	2,966.99	1.15	0.96	0.64
11,025.00	92.40	271.50	8,289.99	-33.84	-3,060.70	3,059.93	0.96	0.86	0.43
11,119.00	94.30	271.10	8,284.50	-31.71	-3,154.51	3,153.76	2.07	2.02	-0.43
11,213.00	95.50	270.70	8,276.47	-30.24	-3,248.15	3,247.41	1.35	1.28	-0.43
11,306.00	97.10	270.40	8,266.26	-29.35	-3,340.58	3,339.85	1.75	1.72	-0.32
11,400.00	96.70	270.10	8,254.97	-28.95	-3,433.90	3,433.16	0.53	-0.43	-0.32
11,494.00	94.90	271.20	8,245.47	-27.88	-3,527.41	3,526.67	2.24	-1.91	1.17
11,587.00	93.60	271.10	8,238.58	-26.02	-3,620.13	3,619.41	1.40	-1.40	-0.11
11,681.00	90.90	270.40	8,234.89	-24.79	-3,714.04	3,713.33	2.97	-2.87	-0.74
11,775.00	90.20	270.00	8,233.99	-24.47	-3,808.03	3,807.32	0.86	-0.74	-0.43
11,868.00	90.70	269.60	8,233.26	-24.79	-3,901.03	3,900.30	0.69	0.54	-0.43
11,962.00	91.50	270.00	8,231.45	-25.12	-3,995.01	3,994.27	0.95	0.85	0.43
12,055.00	90.70	270.60	8,229.67	-24.63	-4,087.99	4,087.25	1.08	-0.86	0.65
12,149.00	90.40	271.30	8,228.76	-23.07	-4,181.97	4,181.24	0.81	-0.32	0.74
12,243.00	91.40	271.30	8,227.29	-20.94	-4,275.94	4,275.23	1.06	1.06	0.00
12,336.00	92.90	271.50	8,223.80	-18.67	-4,368.84	4,368.16	1.63	1.61	0.22
12,430.00	92.40	272.30	8,219.45	-15.56	-4,462.69	4,462.04	1.00	-0.53	0.85
12,524.00	91.90	272.30	8,215.93	-11.79	-4,556.55	4,555.94	0.53	-0.53	0.00
12,617.00	92.70	272.10	8,212.19	-8.22	-4,649.40	4,648.83	0.89	0.86	-0.22
12,711.00	94.00	271.80	8,206.70	-5.03	-4,743.19	4,742.65	1.42	1.38	-0.32
12,804.00	94.70	271.10	8,199.65	-2.68	-4,835.89	4,835.38	1.06	0.75	-0.75
12,898.00	95.00	270.80	8,191.70	-1.13	-4,929.54	4,929.04	0.45	0.32	-0.32
Final Phoenix Survey									
12,975.00	95.00	270.80	8,184.99	-0.06	-5,006.24	5,005.75	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)	
7,500.00	7,493.85	-59.48	-112.29	Tie-in to VES Gyros
7,616.00	7,609.39	-61.91	-122.22	First Phoenix Survey
12,898.00	8,191.70	-1.13	-4,929.54	Final Phoenix Survey
12,975.00	8,184.99	-0.06	-5,006.24	Projection to TD

Checked By: _____ Approved By: _____ Date: _____