VES SURVEY INTERNATIONAL

30-015-43018

March 23, 2016

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

Attn: Ava Monroe

Re: **Paul 25-24S-28E- RB No. 221H**

Please find enclosed a copy of the survey from 0' to 8881' 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

VES Survey International
P.O. Box 261021, Corpus Christi, Texas 78426
T (361) 767-0602 F (361) 767-0612
www.vessurvey.com

Company: Matador Production Company
Lease/Well: Paul 25-24S-28E RB No./221H

Rig Name: Patterson 297
State/County: New Mexico/Eddy
VS-Azi: 0.00 Degrees
Latitude: 32.19472, Longitude: -104.04823
Grid North = True North -0.15 degs (NAD 27)
Grid Correction Applied = -0.15 degs

Depth Reference : RKB= 28,5 Ft

DRILLOG MS GYRO SURVEY CALCULATIONS
Filename: msgyro_run02-01-de_01.ut
Minimum Curvature Method
Report Date/Time: 3/23/2016 / 12:59

VES Survey International
Fort Worth, Texas
Office 817-741-3610
Surveyor: Gregg Wilson
Paul 25-24S-28E RB No 221H / API 30-015-43018

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	****
171.55	0.54	61.27	171.55	0.39	0.71	0.39	0.81	61.27	0.32
265.20	0.56	55.64	265.19	0.86	1.47	0.86	1.71	59.76	0.06
358.85	0.57	45.26	358.84	1.45	2.18	1.45	2.62	56.47	0.11
452.50	0.72	56.53	452.48	2.10	3.01	2.10	3.67	55.06	0.21
546.15	0.73	58.56	546.13	2.74	4.01	2.74	4.86	55.67	0.03
639.80	0.62	62.90	639.77	3.28	4.97	3.28	5.96	56.57	0.13
733.45	0.71	28.49	733.41	4.02	5.70	4.02	6.98	54.80	0.43
827.10	0.67	350.99	827.06	5.07	5.89	5.07	7.77	49.29	0.47
920.75	0.62	343.66	920.70	6.10	5.66	6.10	8.32	42.90	0.10
1014.40	0.37	322.69	1014.35	6.82	5.34	6.82	8.66	38.06	0.33
1108.05	0.41	281.71	1107.99	7.13	4.83	7.13	8.61	34.11	0.30
1201.70	0.28	297.22	1201.64	7.30	4.30	7.30	8.47	30.48	0.18
1295.35	0.20	323.04	1295.29	7.53	4.00	7.53	8.53	27.95	0.14
1389.00	0.17	3.59	1388.94	7.80	3.91	7.80	8.73	26.60	0.14
1482.65	0.17	2.34	1482.59	8.09	3.92	8.09	8.99	25.87	0.00
1576.30	0.18	350.45	1576.24	8.38	3.90	8.38	9.24	24.98	0.04

V.E.S. Survey Date: 3/16/2016

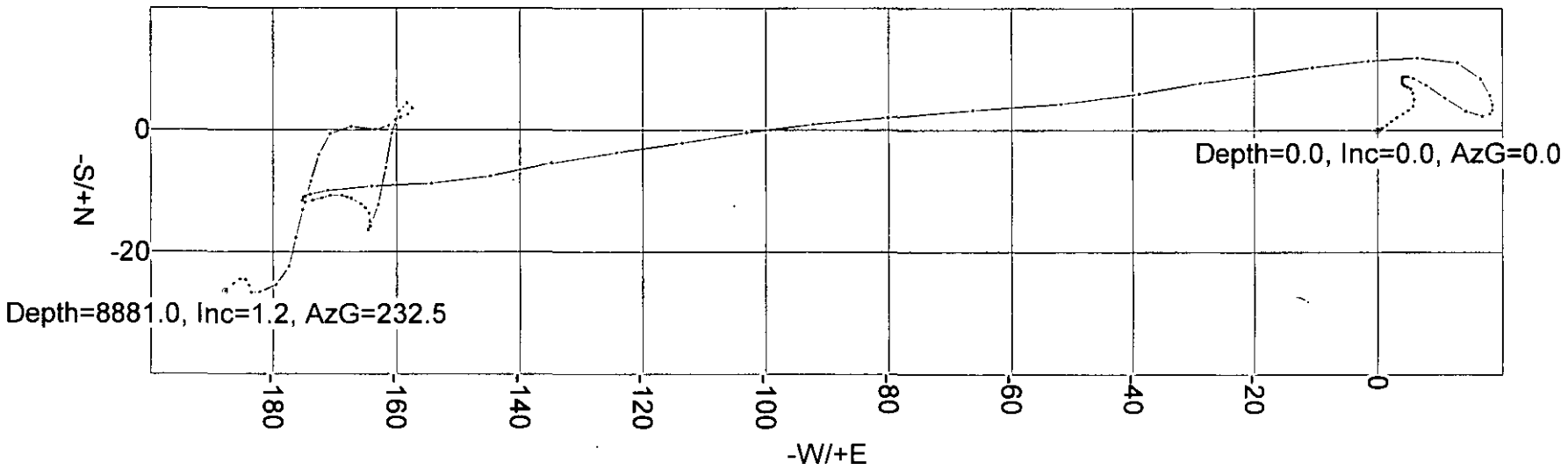
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1669.95	0.15	359.77	1669.89	8.65	3.88	8.65	9.48	24.15	0.04
1763.60	0.27	80.60	1763.54	8.81	4.10	8.81	9.72	24.93	0.31
1857.25	0.28	95.56	1857.19	8.83	4.54	8.83	9.93	27.24	0.08
1950.90	0.18	95.21	1950.84	8.79	4.92	8.79	10.07	29.24	0.11
2044.55	0.91	107.65	2044.48	8.55	5.77	8.55	10.32	34.02	0.78
2138.20	1.91	124.17	2138.10	7.45	7.77	7.45	10.77	46.21	1.15
2231.85	2.62	126.06	2231.68	5.31	10.79	5.31	12.03	63.80	0.75
2325.50	2.30	118.60	2325.24	3.15	14.18	3.15	14.52	77.46	0.48
2419.15	1.18	85.65	2418.85	2.33	16.79	2.33	16.95	82.12	1.56
2512.80	0.46	43.02	2512.49	2.68	18.02	2.68	18.22	81.55	0.96
2606.45	0.43	19.50	2606.14	3.28	18.39	3.28	18.68	79.88	0.20
2700.10	0.70	354.39	2699.78	4.18	18.45	4.18	18.92	77.24	0.39
2793.75	1.32	337.12	2793.42	5.75	17.98	5.75	18.87	72.28	0.73
2887.40	2.48	328.67	2887.02	8.47	16.50	8.47	18.55	62.82	1.27
2981.05	3.40	288.64	2980.55	11.09	12.82	11.09	16.95	49.13	2.33
3074.70	4.72	268.62	3073.97	11.89	6.33	11.89	13.47	28.05	2.05
3168.35	4.91	263.74	3167.29	11.36	-1.50	11.36	11.46	352.46	0.48
3262.00	6.11	262.47	3260.50	10.27	-10.43	10.27	14.64	314.55	1.29
3355.65	5.80	261.44	3353.65	8.91	-20.06	8.91	21.95	293.95	0.35
3449.30	5.19	263.08	3446.87	7.70	-28.94	7.70	29.94	284.89	0.68
3542.95	7.28	258.05	3539.96	5.96	-38.95	5.96	39.40	278.69	2.31
3636.60	8.86	266.70	3632.68	4.31	-51.95	4.31	52.13	274.75	2.12
3730.25	8.85	264.88	3725.22	3.25	-66.33	3.25	66.41	272.81	0.30
3823.90	8.13	265.24	3817.84	2.06	-80.10	2.06	80.13	271.48	0.78
3917.55	6.96	263.90	3910.68	0.91	-92.34	0.91	92.34	270.56	1.25
4011.20	6.36	261.48	4003.70	-0.46	-103.11	-0.46	103.11	269.74	0.71
4104.85	6.66	260.01	4096.74	-2.17	-113.59	-2.17	113.61	268.90	0.37
4198.50	6.55	263.36	4189.77	-3.73	-124.24	-3.73	124.30	268.28	0.43
4292.15	6.62	258.13	4282.80	-5.46	-134.83	-5.46	134.94	267.68	0.64
4385.80	5.89	257.65	4375.90	-7.60	-144.81	-7.60	145.01	267.00	0.78
4479.45	5.97	268.11	4469.05	-8.79	-154.37	-8.79	154.62	266.74	1.16
4573.10	5.89	266.44	4562.20	-9.24	-164.03	-9.24	164.29	266.77	0.20
4666.75	2.87	259.79	4655.56	-9.96	-171.13	-9.96	171.42	266.67	3.26
4760.40	0.74	252.67	4749.16	-10.55	-174.01	-10.55	174.33	266.53	2.29
4854.05	0.28	238.15	4842.81	-10.85	-174.78	-10.85	175.12	266.45	0.51
4947.70	0.19	249.87	4936.46	-11.03	-175.12	-11.03	175.47	266.40	0.10
5041.35	0.60	182.55	5030.11	-11.57	-175.29	-11.57	175.67	266.22	0.59
5135.00	0.67	73.07	5123.75	-11.90	-174.79	-11.90	175.19	266.10	1.11
5228.65	0.89	73.87	5217.39	-11.54	-173.57	-11.54	173.95	266.19	0.23

V.E.S. Survey Date: 3/16/2016

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
5322.30	0.94	76.95	5311.03	-11.17	-172.12	-11.17	172.48	266.29	0.08
5415.95	0.79	71.12	5404.67	-10.79	-170.76	-10.79	171.11	266.39	0.19
5603.25	0.51	117.05	5591.96	-10.75	-168.81	-10.75	169.15	266.36	0.30
5696.90	0.45	101.56	5685.61	-11.01	-168.08	-11.01	168.44	266.25	0.15
5790.55	0.49	111.60	5779.25	-11.23	-167.34	-11.23	167.72	266.16	0.10
5977.85	0.62	129.81	5966.54	-12.18	-165.82	-12.18	166.26	265.80	0.12
6071.50	0.56	128.21	6060.19	-12.79	-165.07	-12.79	165.56	265.57	0.08
6165.15	0.78	157.04	6153.83	-13.66	-164.46	-13.66	165.03	265.25	0.43
6258.80	0.91	189.38	6247.47	-14.98	-164.33	-14.98	165.01	264.79	0.52
6352.45	0.82	197.38	6341.11	-16.35	-164.65	-16.35	165.46	264.33	0.16
6446.10	1.65	27.63	6434.75	-15.79	-164.23	-15.79	164.99	264.51	2.62
6539.75	2.97	15.19	6528.33	-12.26	-162.97	-12.26	163.43	265.70	1.50
6633.40	4.59	8.53	6621.77	-6.22	-161.78	-6.22	161.90	267.80	1.79
6727.05	2.41	12.45	6715.24	-0.59	-160.80	-0.59	160.80	269.79	2.33
6820.70	2.26	24.15	6808.81	3.02	-159.62	3.02	159.65	271.08	0.53
6914.35	0.79	117.27	6902.44	4.41	-158.29	4.41	158.35	271.60	2.60
7008.00	0.81	152.23	6996.08	3.53	-157.41	3.53	157.45	271.29	0.51
7101.65	1.38	248.20	7089.72	2.53	-158.15	2.53	158.17	270.92	1.79
7195.30	0.22	247.21	7183.35	2.04	-159.37	2.04	159.38	270.73	1.24
7288.95	0.86	247.34	7277.00	1.69	-160.19	1.69	160.20	270.61	0.68
7382.60	1.07	211.83	7370.64	0.68	-161.30	0.68	161.30	270.24	0.67
7476.25	2.11	274.52	7464.26	0.07	-163.48	0.07	163.48	270.02	2.00
7569.90	2.67	278.62	7557.82	0.53	-167.35	0.53	167.35	270.18	0.63
7663.55	2.43	219.90	7651.40	-0.67	-170.78	-0.67	170.79	269.78	2.68
7757.20	2.40	195.91	7744.97	-4.07	-172.59	-4.07	172.64	268.65	1.07
7850.85	3.17	196.79	7838.50	-8.43	-173.88	-8.43	174.08	267.22	0.82
7944.50	2.84	195.21	7932.03	-13.15	-175.24	-13.15	175.73	265.71	0.36
8038.15	2.86	191.69	8025.56	-17.68	-176.32	-17.68	177.20	264.27	0.19
8131.80	3.08	195.30	8119.08	-22.39	-177.45	-22.39	178.86	262.81	0.31
8225.45	1.84	247.48	8212.66	-25.39	-179.51	-25.39	181.30	261.95	2.60
8319.10	1.78	245.17	8306.26	-26.58	-182.22	-26.58	184.15	261.70	0.10
8412.75	0.67	344.93	8399.89	-26.66	-183.68	-26.66	185.61	261.74	2.14
8506.40	0.83	343.82	8493.53	-25.47	-184.01	-25.47	185.77	262.12	0.17
8600.05	0.53	304.02	8587.18	-24.58	-184.56	-24.58	186.19	262.42	0.58
8693.70	0.70	255.83	8680.82	-24.47	-185.47	-24.47	187.08	262.48	0.56
8787.35	0.95	219.49	8774.46	-25.21	-186.51	-25.21	188.21	262.30	0.60
8881.00	1.22	232.51	8868.10	-26.41	-187.80	-26.41	189.64	261.99	0.39

V.E.S. Survey Date: 3/16/2016

VES Survey International
Fort Worth, Texas
Office 817-741-3610
Surveyor: Gregg Wilson
Paul 25-24S-28E RB No 221H / API 30-015-43018



V.E.S. Survey Date: 3/16/2016

VES SURVEY INTERNATIONAL

I Gregg Wilson certify that I am employed by VES Survey International. That I did on the day(s) of 03/16/16 through 03/16/16 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 8,881.00 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 Paul 25-24S-28E RB Well # 221H API # 30-015-43018 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 VES Survey International.

Gregg Wilson
Service Technician
VES Survey International

VES SURVEY INTERNATIONAL

I Gregg Wilson certify that I am employed by VES Survey International. That I did on the day(s) of 03/16/16 through 03/16/16 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 8,881.00 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 Paul 25-24S-28E RB Well # 221H API # 30-015-43018 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 VES Survey International.

Gregg Wilson
Service Technician
VES Survey International

PHOENIX
TECHNOLOGY SERVICES

March 28, 2016

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

Re: Matador Resources
Paul 25-24S-28E RB #221H
Eddy County, New Mexico
API #30-015-43018
Job No. 1610177

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	
Shane King	221H	8,953	14,398	03/16/16	03/22/16	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

12329 Cutten Rd. Houston, TX 77066 • Phone (713) 337-0600 • Fax (713) 337-0599
www.phxtech.com

Phoenix Technology Services
SURVEY DATA CERTIFICATION

PHOENIX TECHNOLOGY SERVICES

PHOENIX JOB NUMBER	1610177	ENERGY COMPANY	Matador Resources
WELL NAME	Paul 25-24S-28E RB #221H	COUNTY & STATE	Eddy County, New Mexico
API WELL NUMBER	30-015-43018	PROPOSED DIRECTION	90.11°

TIE-IN DATA						
MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
8,881.00 ft	8,868.10 ft	1.22°	232.51°	-26.41 ft	-187.80 ft	VES Gyro

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
16-Mar-16	8,953.00 ft	1.40°	230.40°

SURVEY INSTRUMENT TYPE
Phoenix MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
22-Mar-16	14,398.00 ft	88.90°	94.10°

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
22-Mar-16	14,468.00 ft	88.90°	94.10°

TO THE BEST OF MY KNOWLEDGE I CERTIFY THIS SURVEY DATA TO BE TRUE AND CORRECT.

Shane King

PRINT YOUR NAME ABOVE

Shane King

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.22
DECLINATION OR GRID	GRID

3/22/2016

TODAY'S DATE

MWD SUPERVISOR 1	Shane King	DIRECTIONAL DRILLER 1	Dustin Barnett
MWD SUPERVISOR 2	Brian Pittman	DIRECTIONAL DRILLER 2	Vinn Adams

12329 Cutten Rd., Houston, Texas 77066 (713)337-0600 (Voice), (713)337-0599 (Fax)

Matador Resources

Eddy County, NM (NAD27 NME)
Paul 25-24S-28E RB
#221H

OH / Job 1610177

Survey: Phoenix MWD Surveys

Standard Survey Report

23 March, 2016

PHOENIX
TECHNOLOGY SERVICES

Phoenix Technology Services

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #221H
Project:	Eddy County, NM (NAD27 NME)	**TVD Reference:**	RKB @ 2947.50usft (Patterson 297)
Site:	Paul 25-24S-28E RB	**MD Reference:**	RKB @ 2947.50usft (Patterson 297)
Well:	#221H	**North Reference:**	Grid
Wellbore:	OH / Job 1610177	**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 Paul 25-24S-28E RB

Site Position:		**Northing:**	434,675.78 usft	**Latitude:**	32° 11' 40.98984 N
From:	Map	**Easting:**	588,192.69 usft	**Longitude:**	104° 2' 53.63628 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.15 °

Well #221H

Well Position	**+N/-S**	0.00 usft	**Northing:**	434,675.78 usft	**Latitude:**	32° 11' 40.98984 N
	+E/-W	0.00 usft	**Easting:**	588,192.69 usft	**Longitude:**	104° 2' 53.63628 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	0.00 usft	**Ground Level:**	2,920.00 usft

Wellbore OH / Job 1610177

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/2/2016	7.37	60.03	48,245

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	90.11

Survey Program **Date** 3/23/2016

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
171.55	8,881.00	VES Gyro Surveys (OH / Job 1610177)	ISCWSA-GYRO-3	Biaxial Semi-Cont. Gyro
8,953.00	14,468.00	Phoenix MWD Surveys (OH / Job 1610177	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)
8,881.00	1.22	232.51	8,868.10	-26.41	-187.80	-187.75	0.00	0.00	0.00
Tie In to VES Gyro Surveys									
8,953.00	1.40	230.40	8,940.08	-27.44	-189.09	-189.03	0.26	0.25	-2.93
First Phoenix MWD Survey									
9,047.00	0.30	201.60	9,034.07	-28.40	-190.06	-190.01	1.22	-1.17	-30.64
9,094.00	5.10	74.50	9,081.01	-27.95	-188.09	-188.04	11.25	10.21	-270.43
9,141.00	10.60	74.50	9,127.55	-26.24	-181.91	-181.86	11.70	11.70	0.00
9,187.00	15.90	79.00	9,172.31	-23.90	-171.64	-171.59	11.73	11.52	9.78
9,234.00	21.20	82.10	9,216.85	-21.51	-156.89	-156.85	11.47	11.28	6.60

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #221H
Project:	Eddy County, NM (NAD27 NME)	**TVD Reference:**	RKB @ 2947.50usft (Patterson 297)
Site:	Paul 25-24S-28E RB	**MD Reference:**	RKB @ 2947.50usft (Patterson 297)
Well:	#221H	**North Reference:**	Grid
Wellbore:	OH / Job 1610177	**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)
9,281.00	25.00	78.80	9,260.08	-18.41	-138.72	-138.69	8.54	8.09	-7.02
9,328.00	30.30	77.50	9,301.70	-13.91	-117.39	-117.36	11.35	11.28	-2.77
9,375.00	35.80	82.40	9,341.08	-9.52	-92.17	-92.15	13.00	11.70	10.43
9,422.00	41.30	86.00	9,377.83	-6.62	-63.04	-63.03	12.63	11.70	7.66
9,468.00	45.60	87.80	9,411.22	-4.93	-31.46	-31.45	9.73	9.35	3.91
9,515.00	49.30	86.20	9,443.00	-3.10	3.11	3.11	8.26	7.87	-3.40
9,561.00	52.10	86.20	9,472.13	-0.74	38.62	38.62	6.09	6.09	0.00
9,608.00	54.60	85.80	9,500.18	1.89	76.23	76.23	5.36	5.32	-0.85
9,655.00	57.60	88.40	9,526.40	3.85	115.19	115.18	7.86	6.38	5.53
9,702.00	59.80	90.00	9,550.81	4.40	155.34	155.33	5.51	4.68	3.40
9,748.00	62.30	92.50	9,573.08	3.51	195.57	195.56	7.22	5.43	5.43
9,795.00	65.10	93.90	9,593.90	1.15	237.63	237.63	6.53	5.96	2.98
9,842.00	69.50	94.10	9,612.04	-1.87	280.88	280.88	9.37	9.36	0.43
9,889.00	74.30	93.60	9,626.64	-4.87	325.44	325.45	10.26	10.21	-1.06
9,935.00	79.00	92.30	9,637.25	-7.16	370.12	370.14	10.58	10.22	-2.83
10,104.00	86.00	86.90	9,659.32	-5.93	537.50	537.51	5.21	4.14	-3.20
10,198.00	86.30	88.00	9,665.63	-1.76	631.20	631.20	1.21	0.32	1.17
10,292.00	87.10	88.30	9,671.04	1.27	724.99	724.99	0.91	0.85	0.32
10,386.00	89.90	89.10	9,673.50	3.40	818.93	818.92	3.10	2.98	0.85
10,480.00	91.00	89.60	9,672.76	4.47	912.91	912.90	1.29	1.17	0.53
10,575.00	92.30	91.40	9,670.02	3.64	1,007.87	1,007.86	2.34	1.37	1.89
10,669.00	91.80	90.70	9,666.66	1.92	1,101.79	1,101.78	0.91	-0.53	-0.74
10,763.00	91.50	90.40	9,663.96	1.02	1,195.75	1,195.74	0.45	-0.32	-0.32
10,857.00	90.40	92.90	9,662.40	-1.69	1,289.68	1,289.69	2.91	-1.17	2.66
10,952.00	90.00	92.50	9,662.07	-6.17	1,384.58	1,384.59	0.60	-0.42	-0.42
11,046.00	89.10	92.40	9,662.80	-10.18	1,478.49	1,478.50	0.96	-0.96	-0.11
11,141.00	88.90	92.20	9,664.46	-14.00	1,573.40	1,573.42	0.30	-0.21	-0.21
11,235.00	88.00	91.40	9,667.00	-16.95	1,667.31	1,667.34	1.28	-0.96	-0.85
11,330.00	87.20	90.40	9,670.98	-18.44	1,762.22	1,762.25	1.35	-0.84	-1.05
11,425.00	88.30	90.50	9,674.71	-19.18	1,857.14	1,857.17	1.16	1.16	0.11
11,519.00	89.40	90.10	9,676.60	-19.68	1,951.12	1,951.15	1.25	1.17	-0.43
11,613.00	89.20	90.20	9,677.75	-19.92	2,045.11	2,045.15	0.24	-0.21	0.11
11,707.00	88.20	90.20	9,679.88	-20.25	2,139.08	2,139.12	1.06	-1.06	0.00
11,802.00	89.30	88.50	9,681.95	-19.17	2,234.05	2,234.08	2.13	1.16	-1.79
11,897.00	89.00	88.10	9,683.36	-16.35	2,329.00	2,329.03	0.53	-0.32	-0.42
11,991.00	89.40	88.40	9,684.67	-13.48	2,422.95	2,422.97	0.53	0.43	0.32
12,085.00	88.80	88.40	9,686.15	-10.86	2,516.90	2,516.91	0.64	-0.64	0.00
12,179.00	89.00	88.60	9,687.95	-8.40	2,610.85	2,610.86	0.30	0.21	0.21
12,274.00	88.30	88.90	9,690.19	-6.33	2,705.80	2,705.80	0.80	-0.74	0.32
12,367.00	87.90	88.50	9,693.28	-4.22	2,798.72	2,798.72	0.61	-0.43	-0.43
12,461.00	88.40	88.20	9,696.31	-1.51	2,892.63	2,892.63	0.62	0.53	-0.32
12,556.00	90.40	88.90	9,697.31	0.89	2,987.59	2,987.59	2.23	2.11	0.74
12,649.00	90.80	88.80	9,696.33	2.76	3,080.57	3,080.56	0.44	0.43	-0.11

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #221H
Project:	Eddy County, NM (NAD27 NME)	**TVD Reference:**	RKB @ 2947.50usft (Patterson 297)
Site:	Paul 25-24S-28E RB	**MD Reference:**	RKB @ 2947.50usft (Patterson 297)
Well:	#221H	**North Reference:**	Grid
Wellbore:	OH / Job 1610177	**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)
12,744.00	90.80	89.80	9,695.01	3.92	3,175.55	3,175.54	1.05	0.00	1.05
12,838.00	89.80	90.10	9,694.51	4.00	3,269.55	3,269.53	1.11	-1.06	0.32
12,932.00	88.70	89.10	9,695.74	4.66	3,363.54	3,363.52	1.58	-1.17	-1.06
13,026.00	88.40	89.80	9,698.12	5.56	3,457.50	3,457.48	0.81	-0.32	0.74
13,121.00	90.80	91.90	9,698.79	4.15	3,552.47	3,552.46	3.36	2.53	2.21
13,216.00	90.40	92.00	9,697.79	0.92	3,647.41	3,647.41	0.43	-0.42	0.11
13,310.00	88.80	92.70	9,698.45	-2.94	3,741.33	3,741.33	1.86	-1.70	0.74
13,404.00	88.50	92.60	9,700.66	-7.28	3,835.20	3,835.21	0.34	-0.32	-0.11
13,498.00	88.10	92.40	9,703.45	-11.38	3,929.07	3,929.09	0.48	-0.43	-0.21
13,592.00	87.50	92.10	9,707.06	-15.07	4,022.93	4,022.95	0.71	-0.64	-0.32
13,686.00	86.60	91.60	9,711.90	-18.10	4,116.75	4,116.78	1.09	-0.96	-0.53
13,780.00	88.60	93.20	9,715.83	-22.03	4,210.58	4,210.62	2.72	2.13	1.70
13,874.00	88.60	93.00	9,718.13	-27.12	4,304.42	4,304.46	0.21	0.00	-0.21
13,968.00	89.30	94.00	9,719.85	-32.85	4,398.22	4,398.28	1.30	0.74	1.06
14,063.00	89.20	94.40	9,721.10	-39.81	4,492.96	4,493.03	0.43	-0.11	0.42
14,157.00	87.30	94.10	9,723.97	-46.77	4,586.65	4,586.73	2.05	-2.02	-0.32
14,251.00	88.80	95.00	9,727.16	-54.23	4,680.30	4,680.39	1.86	1.60	0.96
14,345.00	90.00	94.70	9,728.15	-62.17	4,773.96	4,774.07	1.32	1.28	-0.32
14,398.00	88.90	94.10	9,728.66	-66.24	4,826.80	4,826.91	2.36	-2.08	-1.13
Final Phoenix MWD Survey									
14,468.00	88.90	94.10	9,730.00	-71.24	4,896.60	4,896.73	0.00	0.00	0.00
Projection to TD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
8,881.00	8,868.10	-26.41	-187.80	Tie In to VES Gyro Surveys
8,953.00	8,940.08	-27.44	-189.09	First Phoenix MWD Survey
14,398.00	9,728.66	-66.24	4,826.80	Final Phoenix MWD Survey
14,468.00	9,730.00	-71.24	4,896.60	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 10 2015
RECEIVED

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

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Sante Fe, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-015-43018	50373	PIERCE CROSSING; WOLFCAMP

[4]Property Code	[5]Property Name	[6]Well Number
314392	PAUL 25-24S-28E RB	#221H

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	2920'

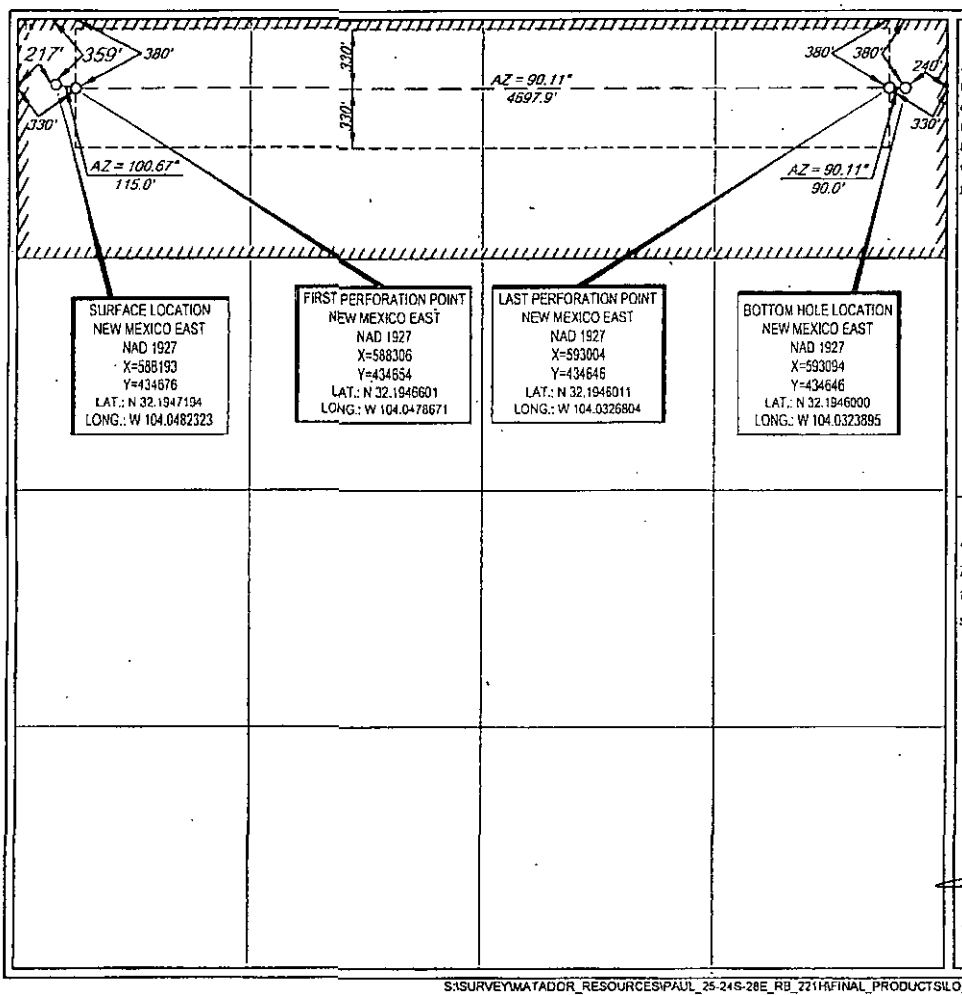
[10]Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	24-S	28-E	-	359'	NORTH	217'	WEST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	25	24-S	28-E	-	380'	NORTH	240'	EAST	EDDY

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
160			

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.



[17]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 unleased 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.

Signature Date

Chris Carleton
Printed Name

ccarleton@matadorresources.com
E-mail Address

[18]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.

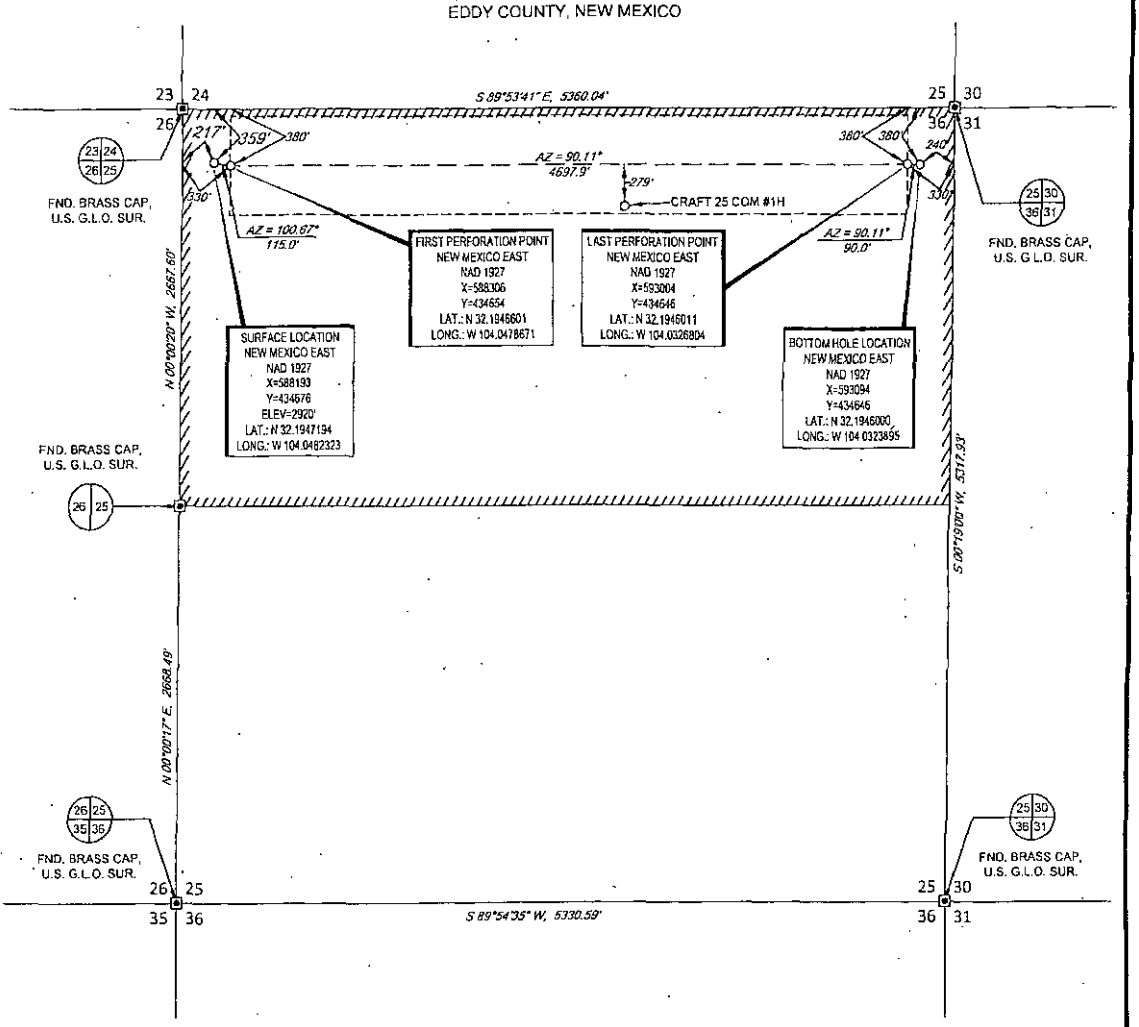
02/26/2015
Date of Survey
Signature and Seal of Professional Surveyor

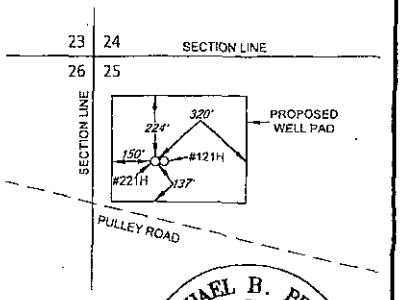
MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\MATADOR_RESOURCES\PAUL_25-24S-28E_RB_221H\FINAL_PRODUCTS\LO_PAUL_25-24S-28E_RB_221H_REV3.DWG 8/18/2015 9:23:45 AM jstovall

SECTION 25, TOWNSHIP 24-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO





SCALE: 1" = 1000'
0' 500' 1000'

LEASE NAME & WELL NO.: PAUL 25-24S-28E RB #221H

SECTION 25 TWP 24-S RGE 28-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 359' FNL & 217' FWL

DISTANCE & DIRECTION
FROM THE INT. OF US-285 S. & HWY-720 GO SOUTH ON US-285 S ±2.1 MILES, THENCE EAST (LEFT) ON PULLEY RD. ±1.0 MILES TO A POINT ±200 FEET SOUTH OF THE LOCATION.

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

MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

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

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 197 · FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 · FAX (817) 744-7548
2903 NORTH BIG SPRING · MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 · FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM