



May 12, 2016

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

Re: Matador Resources
B Banker 33-23S-28E RB #221H
Eddy County, New Mexico
API #30-015-43306
Job No. 60032

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	
Brian Pittman	221H	601	15,083	04/21/16	05/07/16	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

Phoenix Technology Services
SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER 60032

ENERGY COMPANY Matador Resources

WELL NAME B Banker 33-23S-28E RB #221H

COUNTY & STATE Eddy County, New Mexico

API WELL NUMBER 30-015-43306

PROPOSED DIRECTION 269.56°

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
525.00 ft	524.96 ft	1.80°	182.00°	-4.99 ft	-.50 ft	VES Gyro

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
21-Apr-16	601.00 ft	3.10°	183.70°

SURVEY INSTRUMENT
TYPE
Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
7-May-16	15,083.00 ft	92.80°	271.90°

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
7-May-16	15,151.00 ft	92.80°	271.90°

Brian Pittman

PRINT YOUR NAME ABOVE

Brian Pittman

SIGN YOUR NAME ABOVE

5/7/2016

TODAY'S DATE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.3
DECLINATION OR GRID	GRID

MWD SUPERVISOR 1

Brian Pittman

DIRECTIONAL DRILLER 1

Dustin Barnett

MWD SUPERVISOR 2

Michael Johnson

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)

B Banker 33-23S-28E RB

#221H

OH / Job 60032

Survey: Phoenix MWD Surveys

Standard Survey Report

09 May, 2016

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 02 2016

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Phoenix Technology Services
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well #221H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3091.50usft (Patterson 297)
Site:	B Banker 33-23S-28E RB	MD Reference:	RKB @ 3091.50usft (Patterson 297)
Well:	#221H	North Reference:	Grid
Wellbore:	OH / Job 60032	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	B Banker 33-23S-28E RB		
Site Position:	Map	Northing:	460,794.00 usft
From:		Easting:	576,943.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 15' 59.73940 N
		Longitude:	104° 5' 3.85174 W
		Grid Convergence:	0.13 °

Well	#221H					
Well Position	+N/-S	0.00 usft	Northing:	460,794.00 usft	Latitude:	32° 15' 59.73940 N
	+E/-W	0.00 usft	Easting:	576,943.00 usft	Longitude:	104° 5' 3.85174 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,064.00 usft

Wellbore	OH / Job 60032				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/31/2016	7.43	60.12	48,243

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	269.56	

Survey Program	Date 5/9/2016				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
601.00	15,151.00	Phoenix MWD Surveys (OH / Job 60032)	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)
	525.00	1.80	182.00	524.95	-4.99	-0.50	0.54	0.00	0.00	0.00
Tie-in	601.00	3.10	183.70	600.88	-8.23	-0.67	0.74	1.71	1.71	2.24
First Phoenix MWD Survey	691.00	0.70	181.80	690.82	-11.21	-0.85	0.93	2.67	-2.67	-2.11
	783.00	2.40	36.20	782.80	-10.22	0.27	-0.19	3.26	1.85	-158.26
	874.00	3.20	27.80	873.69	-6.43	2.58	-2.53	0.99	0.88	-9.23
	968.00	5.50	34.40	967.41	-0.40	6.35	-6.35	2.50	2.45	7.02
	1,155.00	7.30	34.10	1,153.24	16.84	18.08	-18.20	0.96	0.96	-0.16
	1,342.00	6.20	40.30	1,338.95	34.38	31.27	-31.53	0.70	-0.59	3.32



Phoenix Technology Services

Survey Report



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Site:	B Banker 33-23S-28E RB	MD Reference:	RKB @ 3091.50usft (Patterson 297)
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Wellbore:	OH / Job 60032	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)
1,529.00	7.40	39.70	1,524.63	51.34	45.49	-45.88	0.64	0.64	-0.32
1,716.00	6.40	41.30	1,710.27	68.44	60.06	-60.59	0.54	-0.53	0.86
1,904.00	9.30	62.10	1,896.52	83.43	80.41	-81.05	2.14	1.54	11.06
2,091.00	6.40	57.80	2,081.75	96.05	102.59	-103.32	1.58	-1.55	-2.30
2,278.00	7.00	57.10	2,267.48	107.80	120.98	-121.80	0.32	0.32	-0.37
2,466.00	5.20	43.80	2,454.41	120.17	136.49	-137.41	1.21	-0.96	-7.07
2,653.00	4.70	33.30	2,640.72	132.69	146.57	-147.58	0.55	-0.27	-5.61
2,754.00	5.10	31.30	2,741.35	139.98	151.17	-152.24	0.43	0.40	-1.98
2,942.00	4.40	26.60	2,928.70	153.57	158.74	-159.92	0.43	-0.37	-2.50
3,129.00	4.50	41.10	3,115.15	165.52	166.77	-168.04	0.60	0.05	7.75
3,316.00	4.00	39.20	3,301.63	176.10	175.72	-177.07	0.28	-0.27	-1.02
3,504.00	4.30	41.90	3,489.14	186.42	184.57	-186.00	0.19	0.16	1.44
3,691.00	4.90	40.40	3,675.54	197.73	194.43	-195.94	0.33	0.32	-0.80
3,878.00	5.90	35.10	3,861.70	211.67	205.13	-206.75	0.60	0.53	-2.83
4,065.00	5.50	27.40	4,047.78	227.49	214.78	-216.52	0.46	-0.21	-4.12
4,252.00	6.50	33.60	4,233.76	244.26	224.76	-226.63	0.64	0.53	3.32
4,440.00	7.30	34.50	4,420.39	262.97	237.42	-239.43	0.43	0.43	0.48
4,627.00	6.50	35.80	4,606.04	281.35	250.34	-252.49	0.44	-0.43	0.70
4,814.00	3.80	38.50	4,792.27	294.78	260.39	-262.65	1.45	-1.44	1.44
5,002.00	5.90	38.20	4,979.58	307.25	270.25	-272.60	1.12	1.12	-0.16
5,189.00	5.50	30.50	5,165.66	322.53	280.74	-283.21	0.46	-0.21	-4.12
5,376.00	5.20	22.10	5,351.85	338.10	288.47	-291.06	0.45	-0.16	-4.49
5,563.00	5.40	23.60	5,538.05	354.02	295.18	-297.89	0.13	0.11	0.80
5,751.00	4.20	29.40	5,725.39	368.12	302.11	-304.92	0.69	-0.64	3.09
5,938.00	2.40	26.70	5,912.07	377.59	307.23	-310.12	0.97	-0.96	-1.44
6,125.00	1.60	25.30	6,098.95	383.44	310.10	-313.04	0.43	-0.43	-0.75
6,313.00	1.80	35.50	6,286.87	388.22	312.94	-315.91	0.19	0.11	5.43
6,500.00	0.40	60.60	6,473.83	390.93	315.21	-318.21	0.77	-0.75	13.42
6,687.00	0.10	40.70	6,660.83	391.38	315.89	-318.88	0.16	-0.16	-10.64
6,875.00	1.80	50.20	6,848.80	393.39	318.26	-321.28	0.91	0.90	5.05
6,963.00	1.40	58.40	6,936.76	394.84	320.24	-323.26	0.52	-0.45	9.32
7,057.00	1.10	67.50	7,030.74	395.79	322.05	-325.08	0.38	-0.32	9.68
7,150.00	1.80	79.50	7,123.71	396.39	324.31	-327.35	0.82	0.75	12.90
7,244.00	1.40	134.00	7,217.68	395.86	326.59	-329.62	1.60	-0.43	57.98
7,337.00	2.30	142.90	7,310.63	393.59	328.53	-331.55	1.01	0.97	9.57
7,431.00	1.70	142.80	7,404.57	390.97	330.52	-333.51	0.64	-0.64	-0.11
7,525.00	0.90	197.10	7,498.55	389.16	331.14	-334.12	1.47	-0.85	57.77
7,618.00	1.40	86.80	7,591.54	388.52	332.06	-335.03	2.05	0.54	-118.60
7,712.00	2.20	65.60	7,685.49	389.33	334.85	-337.83	1.09	0.85	-22.55
7,806.00	1.70	90.80	7,779.44	390.06	337.89	-340.87	1.04	-0.53	26.81
7,899.00	2.30	87.00	7,872.38	390.13	341.13	-344.12	0.66	0.65	-4.09
7,993.00	1.70	165.80	7,966.34	388.88	343.36	-346.33	2.75	-0.64	83.83
8,087.00	2.30	198.80	8,060.29	385.74	343.09	-346.04	1.35	0.64	35.11



Phoenix Technology Services

Survey Report



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Site:	B Banker 33-23S-28E RB	MD Reference:	RKB @ 3091.50usft (Patterson 297)
Well:	#221H	North Reference:	Grid
Wellbore:	OH / Job 60032	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	Compass 5000 GCR

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,181.00	2.00	207.40	8,154.22	382.50	341.73	-344.66	0.47	-0.32	9.15
8,274.00	1.40	218.90	8,247.18	380.18	340.27	-343.18	0.74	-0.65	12.37
8,368.00	1.00	208.10	8,341.16	378.56	339.16	-342.06	0.49	-0.43	-11.49
8,462.00	1.40	183.80	8,435.14	376.69	338.70	-341.58	0.68	0.43	-25.85
8,555.00	4.00	183.20	8,528.03	372.32	338.44	-341.29	2.80	2.80	-0.65
8,649.00	2.00	173.10	8,621.89	367.42	338.46	-341.27	2.19	-2.13	-10.74
8,743.00	3.10	162.30	8,715.80	363.37	339.43	-342.21	1.27	1.17	-11.49
8,836.00	3.50	184.00	8,808.65	358.14	339.99	-342.73	1.40	0.43	23.33
8,930.00	2.80	181.00	8,902.51	352.98	339.75	-342.45	0.76	-0.74	-3.19
9,023.00	2.50	182.40	8,995.41	348.68	339.63	-342.29	0.33	-0.32	1.51
9,117.00	2.20	200.60	9,089.33	344.95	338.91	-341.55	0.85	-0.32	19.36
9,211.00	2.60	206.50	9,183.25	341.35	337.32	-339.93	0.50	0.43	6.28
9,304.00	2.00	215.40	9,276.17	338.14	335.44	-338.03	0.75	-0.65	9.57
9,398.00	1.60	229.10	9,370.13	335.94	333.50	-336.07	0.62	-0.43	14.57
9,491.00	1.30	241.60	9,463.10	334.59	331.59	-334.15	0.47	-0.32	13.44
9,585.00	1.10	232.40	9,557.08	333.53	329.93	-332.49	0.29	-0.21	-9.79
9,673.00	1.70	222.80	9,645.05	332.06	328.38	-330.92	0.73	0.68	-10.91
9,741.00	4.40	245.30	9,712.95	330.23	325.32	-327.85	4.27	3.97	33.09
9,788.00	9.30	272.60	9,759.61	329.65	319.89	-322.41	12.24	10.43	58.09
9,835.00	13.90	282.40	9,805.64	331.03	310.57	-313.11	10.61	9.79	20.85
9,882.00	20.00	285.40	9,850.58	334.38	297.30	-299.86	13.11	12.98	6.38
9,929.00	23.60	283.10	9,894.21	338.65	280.38	-282.97	7.87	7.66	-4.89
9,976.00	25.80	280.70	9,936.91	342.68	261.16	-263.79	5.14	4.68	-5.11
10,022.00	26.40	279.00	9,978.22	346.14	241.23	-243.88	2.08	1.30	-3.70
10,069.00	28.90	276.40	10,019.85	349.04	219.62	-222.29	5.91	5.32	-5.53
10,101.00	32.30	274.00	10,047.39	350.50	203.40	-206.08	11.29	10.63	-7.50
10,132.00	32.40	275.50	10,073.58	351.87	186.87	-189.56	2.61	0.32	4.84
10,163.00	34.40	276.90	10,099.46	353.72	169.90	-172.62	6.91	6.45	4.52
10,194.00	37.70	277.90	10,124.52	356.08	151.82	-154.55	10.81	10.65	3.23
10,225.00	41.00	276.50	10,148.49	358.53	132.32	-135.07	11.02	10.65	-4.52
10,256.00	44.70	276.60	10,171.21	360.94	111.38	-114.15	11.94	11.94	0.32
10,301.00	50.80	274.70	10,201.46	364.19	78.25	-81.04	13.91	13.56	-4.22
10,326.00	53.35	274.59	10,216.82	365.79	58.59	-61.40	10.21	10.20	-0.42
FPP Crossing: 10326' MD									
10,350.00	55.80	274.50	10,230.73	367.34	39.10	-41.92	10.21	10.20	-0.39
10,397.00	61.20	272.60	10,255.28	369.80	-0.88	-1.96	11.99	11.49	-4.04
10,444.00	65.70	269.50	10,276.29	370.55	-42.90	40.06	11.24	9.57	-6.60
10,490.00	70.40	269.90	10,293.48	370.32	-85.56	82.71	10.25	10.22	0.87
10,537.00	75.40	271.70	10,307.29	370.96	-130.46	127.60	11.25	10.64	3.83
10,584.00	79.80	274.10	10,317.39	373.29	-176.29	173.41	10.61	9.36	5.11
10,758.00	87.50	273.10	10,336.62	384.13	-348.75	345.79	4.46	4.43	-0.57
10,853.00	90.80	270.60	10,338.03	387.19	-443.67	440.68	4.36	3.47	-2.63
10,947.00	91.10	271.30	10,336.47	388.75	-537.64	534.64	0.81	0.32	0.74
11,042.00	89.30	271.30	10,336.14	390.91	-632.61	629.59	1.89	-1.89	0.00



Phoenix Technology Services

Survey Report



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Site:	B Banker 33-23S-28E RB	MD Reference:	RKB @ 3091.50usft (Patterson 297)
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Survey										
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11,136.00	91.60	273.10	10,335.40	394.52	-726.53	723.48	3.11	2.45	1.91	
11,230.00	89.70	271.70	10,334.33	398.45	-820.43	817.35	2.51	-2.02	-1.49	
11,324.00	91.90	273.40	10,333.02	402.63	-914.32	911.20	2.96	2.34	1.81	
11,418.00	85.60	271.20	10,335.07	406.40	-1,008.17	1,005.02	7.10	-6.70	-2.34	
11,512.00	86.40	267.50	10,341.63	405.34	-1,101.92	1,098.77	4.02	0.85	-3.94	
11,607.00	90.50	267.50	10,344.20	401.20	-1,196.77	1,193.66	4.32	4.32	0.00	
11,701.00	89.90	264.90	10,343.87	394.97	-1,290.56	1,287.49	2.84	-0.64	-2.77	
11,796.00	90.50	262.90	10,343.54	384.87	-1,385.01	1,382.02	2.20	0.63	-2.11	
11,891.00	91.40	264.60	10,341.96	374.53	-1,479.43	1,476.51	2.02	0.95	1.79	
11,986.00	90.70	266.10	10,340.22	366.83	-1,574.10	1,571.24	1.74	-0.74	1.58	
12,080.00	94.10	265.70	10,336.28	360.12	-1,667.76	1,664.95	3.64	3.62	-0.43	
12,173.00	92.80	269.00	10,330.69	355.83	-1,760.48	1,757.69	3.81	-1.40	3.55	
12,268.00	93.30	269.00	10,325.63	354.17	-1,855.33	1,852.56	0.53	0.53	0.00	
12,361.00	91.50	267.90	10,321.74	351.66	-1,948.21	1,945.45	2.27	-1.94	-1.18	
12,456.00	94.20	272.90	10,317.01	352.32	-2,043.05	2,040.28	5.98	2.84	5.26	
12,549.00	91.10	271.70	10,312.71	356.04	-2,135.86	2,133.07	3.57	-3.33	-1.29	
12,643.00	88.10	270.00	10,313.37	357.44	-2,229.84	2,227.03	3.67	-3.19	-1.81	
12,738.00	89.60	272.00	10,315.28	359.10	-2,324.80	2,321.97	2.63	1.58	2.11	
12,832.00	90.20	272.60	10,315.44	362.87	-2,418.72	2,415.86	0.90	0.64	0.64	
12,926.00	93.40	274.00	10,312.49	368.28	-2,512.50	2,509.60	3.72	3.40	1.49	
13,020.00	90.40	272.60	10,309.37	373.68	-2,606.28	2,603.33	3.52	-3.19	-1.49	
13,114.00	93.60	273.80	10,306.09	378.92	-2,700.06	2,697.07	3.64	3.40	1.28	
13,208.00	91.00	271.00	10,302.32	382.85	-2,793.89	2,790.87	4.06	-2.77	-2.98	
13,303.00	93.10	273.60	10,298.92	386.66	-2,888.74	2,885.68	3.52	2.21	2.74	
13,397.00	91.50	269.70	10,295.14	389.36	-2,982.60	2,979.52	4.48	-1.70	-4.15	
13,491.00	89.80	268.30	10,294.08	387.72	-3,076.58	3,073.51	2.34	-1.81	-1.49	
13,585.00	92.60	269.40	10,292.11	385.84	-3,170.53	3,167.47	3.20	2.98	1.17	
13,679.00	91.70	268.80	10,288.58	384.36	-3,264.45	3,261.40	1.15	-0.96	-0.64	
13,774.00	91.50	268.40	10,285.93	382.04	-3,359.38	3,356.35	0.47	-0.21	-0.42	
13,868.00	89.10	266.40	10,285.44	377.78	-3,453.27	3,450.27	3.32	-2.55	-2.13	
13,963.00	95.20	267.60	10,281.88	372.81	-3,548.03	3,545.06	6.54	6.42	1.26	
14,058.00	94.20	267.20	10,274.09	368.52	-3,642.61	3,639.67	1.13	-1.05	-0.42	
14,152.00	93.60	267.00	10,267.70	363.77	-3,736.27	3,733.37	0.67	-0.64	-0.21	
14,246.00	93.60	266.80	10,261.80	358.70	-3,829.95	3,827.08	0.21	0.00	-0.21	
14,340.00	92.90	265.80	10,256.47	352.64	-3,923.60	3,920.78	1.30	-0.74	-1.06	
14,434.00	94.20	265.80	10,250.65	345.77	-4,017.16	4,014.39	1.38	1.38	0.00	
14,529.00	97.40	268.50	10,241.05	341.07	-4,111.54	4,108.80	4.40	3.37	2.84	
14,622.00	97.20	271.30	10,229.23	340.90	-4,203.78	4,201.03	2.99	-0.22	3.01	
14,717.00	93.80	271.70	10,220.12	343.38	-4,298.29	4,295.53	3.60	-3.58	0.42	
14,811.00	90.40	271.10	10,216.68	345.67	-4,392.19	4,389.40	3.67	-3.62	-0.64	
14,905.00	91.60	271.60	10,215.04	347.89	-4,486.14	4,483.34	1.38	1.28	0.53	
15,000.00	93.20	272.40	10,211.06	351.20	-4,581.00	4,578.17	1.88	1.68	0.84	
15,045.00	92.98	272.13	10,208.63	352.98	-4,625.90	4,623.05	0.77	-0.48	-0.60	



Phoenix Technology Services
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well #221H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3091.50usft (Patterson 297)
Site:	B Banker 33-23S-28E RB	MD Reference:	RKB @ 3091.50usft (Patterson 297)
Well:	#221H	North Reference:	Grid
Wellbore:	OH / Job 60032	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	Compass 5000 GCR

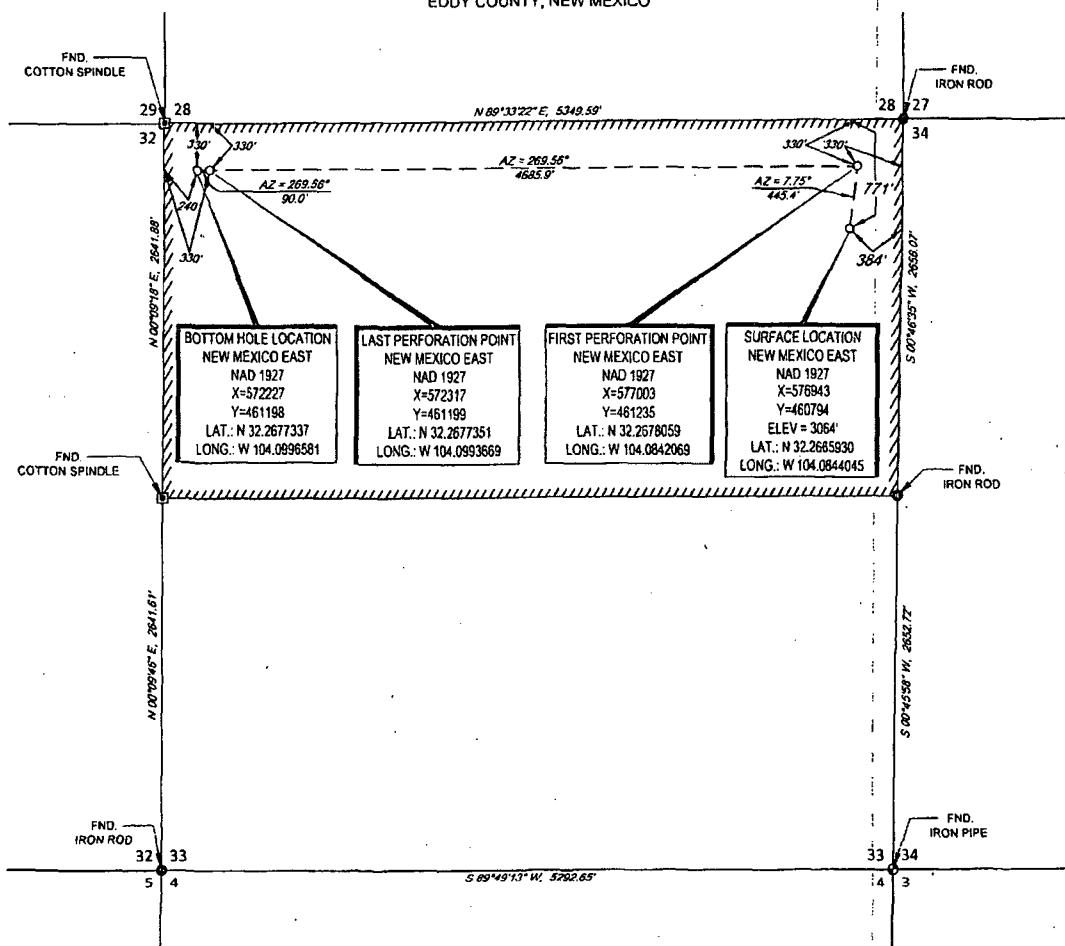
Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
LPP Crossing: 15045' MD									
15,083.00	92.80	271.90	10,206.72	354.31	-4,663.83	4,660.97	0.77	-0.48	-0.60
Final Phoenix MWD Survey									
15,151.00	92.80	271.90	10,203.39	356.56	-4,731.71	4,728.83	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)	
525.00	524.95	-4.99	-0.50	Tie-in
601.00	600.88	-8.23	-0.67	First Phoenix MWD Survey
10,326.00	10,216.82	365.79	58.59	FPP Crossing: 10326' MD
15,045.00	10,208.63	352.98	-4,625.90	LPP Crossing: 15045' MD
15,083.00	10,206.72	354.31	-4,663.83	Final Phoenix MWD Survey
15,151.00	10,203.39	356.56	-4,731.71	Projection to TD

Checked By: _____	Approved By: _____	Date: _____
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30-015-43306

EDDY COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: B BANKER 33-23S-28E RB #221H

SECTION 33 TWP 23-S RGE 28-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM

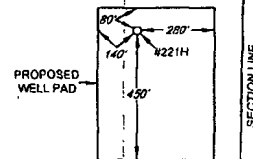
DESCRIPTION 771' FNL & 384' FEL

DISTANCE & DIRECTION

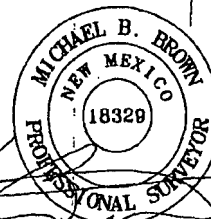
FROM INT. OF US-285 & DUARTE RD. GO NORTH ON US-285

±0.1 MILES, THENCE EAST (RIGHT) ON ONSUREZ RD. ±2.7 MILES

TO A POINT ±1200 FEET EAST OF THE LOCATION.



DETAIL VIEW
SCALE: 1" = 500'



Michael Blake Brown, P.S. No. 18329
August 10, 2015

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

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa 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 75750	³ Pool Name Culebra Bluff; Wolfcamp, South (Gas)
⁴ Property Code	⁵ Property Name B BANKER 33-23S-28E RB	⁶ Well Number #221H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3064'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	33	23-S	28-E	-	771'	NORTH	384'	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	23-S	28-E	-	330'	NORTH	240'	WEST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

				¹⁷OPERATOR 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. <i>Trey Goodwin</i> 8/17/15 Signature Date Trey Goodwin Printed Name tgoodwin@matadorresources.com E-mail Address
BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=572227 Y=461198 LAT.: N 32.2677337 LONG.: W 104.0996581	LAST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=572317 Y=461199 LAT.: N 32.2677351 LONG.: W 104.0993669	FIRST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=577003 Y=461235 LAT.: N 32.2678059 LONG.: W 104.0842069	SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=576943 Y=460794 LAT.: N 32.2665930 LONG.: W 104.0844045	¹⁸SURVEYOR 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. 08/06/2015 Date of Survey <i>Michael B. Brown</i> Signature and Seal of Professional Surveyor 18329 Certificate Number