



PHOENIX
TECHNOLOGY SERVICES

June 29, 2016

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

Dear District 2 - Artesia

Re: Matador Resources
Charlie Sweeney 31-23S-28E RB 201H
Eddy County, New Mexico
API #30-015-43695
Job No. 60109

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 11 2016

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	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Shane King	201H	598	14,500	06/07/16	06/23/16	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,
Claudia Carreon

Claudia Carreon
Operations Administrator

Certified mail receipt number: 7015 0640 0000 9907 5487

Phoenix Technology Services
SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER

60109

ENERGY COMPANY

Matador Resources

WELL NAME

Charlie Sweeney 31-23S-28E 201H

COUNTY & STATE

Eddy County, New Mexico

API WELL NUMBER

30-015-43695

PROPOSED DIRECTION

180.42°

TIE-IN DATA						
MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
503.00 ft	503.00 ft	2.90°	184.00°	10.00 S	2.00 W	FloDrift

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
7-Jun-16	598.00 ft	3.30°	175.80°

SURVEY INSTRUMENT TYPE
Phoenix MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
23-Jun-16	14,500.00 ft	90.70°	180.40°

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

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
23-Jun-16	14,580.00 ft	90.70°	180.40°

Shane King

PRINT YOUR NAME ABOVE

Shane King

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.36
DECLINATION OR GRID	GRID

6/23/2016

TODAY'S DATE

MWD SUPERVISOR 1

Shane King

DIRECTIONAL DRILLER 1

Wes Kelldorf

MWD SUPERVISOR 2

Brian Pittman

DIRECTIONAL DRILLER 2

Dustin St. Clair

12329 Cutten Rd.,

Houston, Texas 77066

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



NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 11 2016

RECEIVED

Matador Resources

Eddy County, NM (NAD27 NME)

Charlie Sweeney 31-23S-28E

#201H

OH / Job 60109

Survey: Phoenix MWD Surveys

Standard Survey Report

23 June, 2016





Phoenix Technology Services

Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well #201H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3144.50usft (Patterson 297)
Site:	Charlie Sweeney 31-23S-28E	MD Reference:	RKB @ 3144.50usft (Patterson 297)
Well:	#201H	North Reference:	Grid
Wellbore:	OH / Job 60109	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	Charlie Sweeney 31-23S-28E				
Site Position:		Northing:	462,027.00 usft	Latitude:	32° 16' 12.25398 N
From:	Map	Easting:	561,848.00 usft	Longitude:	104° 7' 59.63405 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.11 °

Well	#201H					
Well Position	+N/-S	0.00 usft	Northing:	462,027.00 usft	Latitude:	32° 16' 12.25398 N
	+E/-W	0.00 usft	Easting:	561,848.00 usft	Longitude:	104° 7' 59.63405 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,117.00 usft

Wellbore	OH / Job 60109				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	5/30/2016	7.47	60.12	48,220

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	Direction	
	(usft)	(usft)	(usft)	(")	
	0.00	0.00	0.00	180.42	

Survey Program	Date 6/23/2016			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
598.00	14,580.00	Phoenix MWD Surveys (OH / Job 60109)	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)
	503.00	2.90	184.00	503.00	-10.00	-2.00	10.01	0.00	0.00	0.00
Tie In	598.00	3.30	175.80	597.86	-15.12	-1.97	15.14	0.63	0.42	-8.63
First Phoenix MWD Survey	780.00	3.90	197.20	779.51	-28.26	-3.41	26.29	0.80	0.33	11.76
	963.00	5.30	208.30	961.92	-39.65	-9.26	39.72	0.90	0.77	6.07
	1,150.00	6.90	216.50	1,147.86	-56.28	-20.04	56.43	0.97	0.86	4.39
	1,337.00	5.20	220.80	1,333.81	-71.73	-32.26	71.97	0.94	-0.91	2.30
	1,525.00	6.50	226.60	1,520.83	-85.49	-45.56	85.82	0.76	0.69	3.09
	1,713.00	4.40	220.70	1,707.97	-98.27	-57.99	98.69	1.15	-1.12	-3.14



Phoenix Technology Services

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Site:	Charlie Sweeney 31-23S-28E	MD Reference:	RKB @ 3144.50usft (Patterson 297)
Well:	#201H	North Reference:	Grid
Wellbore:	OH / Job 60109	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)	
1,900.00	5.90	173.50	1,894.29	-113.27	-61.58	113.72	2.32	0.80	-25.24	
2,087.00	5.80	199.30	2,080.35	-131.74	-63.62	132.20	1.40	-0.05	13.80	
2,275.00	2.60	249.50	2,267.87	-142.20	-70.76	142.72	2.44	-1.70	26.70	
2,462.00	2.90	278.70	2,454.66	-142.97	-79.41	143.55	0.76	0.16	15.61	
2,571.00	2.40	281.10	2,563.55	-142.11	-84.37	142.73	0.47	-0.46	2.20	
2,758.00	2.50	282.20	2,750.37	-140.50	-92.20	141.17	0.06	0.05	0.59	
2,945.00	2.70	268.10	2,937.18	-139.78	-100.59	140.52	0.36	0.11	-7.54	
3,133.00	2.60	264.20	3,124.98	-140.36	-109.26	141.16	0.11	-0.05	-2.07	
3,320.00	2.50	267.30	3,311.80	-140.98	-117.55	141.84	0.09	-0.05	1.66	
3,507.00	2.60	274.10	3,498.61	-140.87	-125.85	141.79	0.17	0.05	3.64	
3,694.00	2.40	277.10	3,685.44	-140.08	-133.97	141.06	0.13	-0.11	1.60	
3,882.00	2.20	280.10	3,873.28	-138.96	-141.43	140.00	0.12	-0.11	1.60	
4,069.00	2.10	279.50	4,060.15	-137.77	-148.34	138.85	0.05	-0.05	-0.32	
4,256.00	2.40	255.30	4,247.01	-138.20	-155.51	139.33	0.53	0.16	-12.94	
4,444.00	2.10	246.70	4,434.87	-140.56	-162.48	141.75	0.24	-0.16	-4.57	
4,631.00	1.50	237.60	4,621.77	-143.23	-167.69	144.45	0.35	-0.32	-4.87	
4,818.00	1.30	243.60	4,808.72	-145.48	-171.66	146.73	0.13	-0.11	3.21	
5,006.00	1.30	237.70	4,996.67	-147.57	-175.37	148.85	0.07	0.00	-3.14	
5,193.00	1.20	244.10	5,183.63	-149.56	-178.93	150.86	0.09	-0.05	3.42	
5,381.00	1.00	230.20	5,371.59	-151.47	-181.96	152.80	0.18	-0.11	-7.39	
5,568.00	1.00	193.80	5,558.56	-154.10	-183.60	155.44	0.33	0.00	-19.47	
5,755.00	1.10	185.70	5,745.53	-157.47	-184.17	158.81	0.10	0.05	-4.33	
5,943.00	1.50	191.90	5,933.48	-161.67	-184.86	163.02	0.23	0.21	3.30	
6,130.00	1.50	223.10	6,120.42	-165.85	-187.03	167.22	0.43	0.00	16.68	
6,317.00	0.90	246.20	6,307.38	-168.23	-190.05	169.62	0.41	-0.32	12.35	
6,505.00	0.50	167.70	6,495.37	-169.63	-191.22	171.03	0.50	-0.21	-41.76	
6,692.00	0.50	64.00	6,682.37	-170.07	-190.32	171.46	0.42	0.00	-55.45	
6,879.00	0.40	218.50	6,869.37	-170.22	-189.99	171.61	0.47	-0.05	82.82	
7,066.00	1.80	233.90	7,056.33	-172.46	-192.77	173.87	0.76	0.75	8.24	
7,253.00	2.20	240.70	7,243.21	-175.95	-198.27	177.40	0.25	0.21	3.64	
7,441.00	1.80	230.60	7,431.10	-179.59	-203.70	181.08	0.28	-0.21	-5.37	
7,628.00	1.30	273.40	7,618.04	-181.33	-208.09	182.85	0.65	-0.27	22.89	
7,815.00	1.10	284.60	7,804.99	-180.75	-211.94	182.30	0.16	-0.11	5.99	
8,003.00	0.90	286.50	7,992.97	-179.88	-215.11	181.45	0.11	-0.11	1.01	
8,190.00	1.00	277.70	8,179.94	-179.24	-218.13	180.83	0.09	0.05	-4.71	
8,377.00	1.60	85.20	8,366.92	-178.80	-217.15	180.39	1.38	0.32	89.57	
8,565.00	2.20	124.30	8,554.82	-180.62	-211.55	182.16	0.74	0.32	20.80	
8,727.00	2.60	132.20	8,716.68	-184.84	-206.26	186.34	0.32	0.25	4.88	
8,825.00	4.90	154.80	8,814.47	-190.12	-202.83	191.60	2.75	2.35	23.06	
8,872.00	9.10	162.00	8,861.11	-195.47	-200.83	196.94	9.11	8.94	15.32	
8,918.00	11.70	168.00	8,906.35	-203.50	-198.73	204.95	6.12	5.65	13.04	
8,965.00	14.90	169.20	8,952.09	-214.10	-196.61	215.53	6.83	6.81	2.55	
9,012.00	18.60	170.00	8,997.08	-227.42	-194.17	228.83	7.89	7.87	1.70	



Phoenix Technology Services

Survey Report



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Site:	Charlie Sweeney 31-23S-28E	MD Reference:	RKB @ 3144.50usft (Patterson 297)
Well:	#201H	North Reference:	Grid
Wellbore:	OH / Job 60109	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)
9,043.00	21.70	170.50	9,026.18	-237.94	-192.37	239.35	10.02	10.00	1.61
9,075.00	24.30	170.80	9,055.64	-250.28	-190.34	251.67	8.13	8.13	0.94
9,106.00	26.90	171.20	9,083.59	-263.51	-188.25	264.88	8.41	8.39	1.29
9,153.00	30.40	169.40	9,124.83	-285.71	-184.43	287.05	7.67	7.45	-3.83
9,199.00	34.90	171.40	9,163.55	-310.17	-180.32	311.49	10.06	9.78	4.35
9,246.00	39.70	170.10	9,200.93	-338.27	-175.72	339.55	10.35	10.21	-2.77
9,293.00	44.10	172.20	9,235.91	-369.28	-170.92	370.52	9.82	9.36	4.47
9,340.00	47.30	175.70	9,268.73	-402.72	-167.41	403.94	8.64	6.81	7.45
9,387.00	48.70	179.00	9,300.19	-437.60	-165.80	438.80	6.01	2.98	7.02
9,418.00	51.20	180.50	9,320.13	-461.33	-165.70	462.53	8.87	8.06	4.84
9,449.00	53.60	180.00	9,339.05	-485.89	-165.81	487.09	7.85	7.74	-1.61
9,478.00	56.30	179.40	9,355.70	-509.62	-165.68	510.82	9.46	9.31	-2.07
9,510.00	59.20	179.60	9,372.77	-536.68	-165.45	537.88	9.08	9.06	0.63
9,541.00	61.90	179.50	9,388.01	-563.67	-165.24	564.87	8.71	8.71	-0.32
9,572.00	66.00	178.50	9,401.62	-591.51	-164.75	592.71	13.54	13.23	-3.23
9,603.00	71.00	177.70	9,412.98	-620.33	-163.79	621.52	16.31	16.13	-2.58
9,634.00	76.00	176.70	9,421.78	-650.01	-162.33	651.18	16.42	16.13	-3.23
9,794.00	92.50	173.60	9,437.76	-808.06	-148.86	809.13	10.49	10.31	-1.94
9,808.00	92.40	173.56	9,437.16	-821.96	-147.29	823.02	0.80	-0.74	-0.32
FPP Crossing: 9808' MD									
9,869.00	91.80	173.30	9,434.20	-902.37	-138.03	903.36	0.80	-0.74	-0.32
9,983.00	88.80	174.80	9,433.71	-995.85	-128.29	996.77	3.57	-3.19	1.60
10,077.00	91.60	176.20	9,433.38	-1,089.55	-120.91	1,090.41	3.33	2.98	1.49
10,172.00	92.30	176.80	9,430.15	-1,184.32	-115.12	1,185.13	0.97	0.74	0.63
10,266.00	87.90	174.80	9,429.98	-1,278.04	-108.23	1,278.80	5.14	-4.68	-2.13
10,361.00	89.80	174.40	9,431.89	-1,372.59	-99.30	1,373.28	2.04	2.00	-0.42
10,455.00	89.00	173.60	9,432.87	-1,466.07	-89.47	1,466.69	1.20	-0.85	-0.85
10,549.00	89.50	173.70	9,434.10	-1,559.49	-79.07	1,560.02	0.54	0.53	0.11
10,644.00	94.60	175.40	9,430.71	-1,653.96	-70.06	1,654.43	5.66	5.37	1.79
10,738.00	99.40	178.80	9,419.25	-1,747.10	-65.33	1,747.53	6.24	5.11	3.62
10,832.00	92.00	184.90	9,409.91	-1,840.47	-68.37	1,840.93	10.18	-7.87	6.49
10,926.00	86.70	184.80	9,410.98	-1,934.10	-76.32	1,934.61	5.64	-5.64	-0.11
11,021.00	88.80	184.00	9,414.71	-2,028.74	-83.60	2,029.30	2.37	2.21	-0.84
11,115.00	91.80	183.60	9,414.22	-2,122.52	-89.83	2,123.12	3.22	3.19	-0.43
11,209.00	90.00	183.40	9,412.74	-2,216.33	-95.57	2,216.97	1.93	-1.91	-0.21
11,303.00	87.90	183.50	9,414.46	-2,310.14	-101.22	2,310.82	2.24	-2.23	0.11
11,397.00	89.70	181.50	9,416.43	-2,404.02	-105.32	2,404.73	2.86	1.91	-2.13
11,491.00	92.20	180.80	9,414.87	-2,497.98	-107.21	2,498.70	2.76	2.66	-0.74
11,585.00	89.30	180.20	9,413.64	-2,591.96	-108.03	2,592.68	3.15	-3.09	-0.64
11,679.00	94.90	180.90	9,410.20	-2,685.85	-108.93	2,686.58	6.00	5.96	0.74
11,773.00	94.40	180.90	9,402.58	-2,779.53	-110.40	2,780.27	0.53	-0.53	0.00
11,862.00	92.20	180.00	9,397.45	-2,868.37	-111.10	2,869.11	2.67	-2.47	-1.01
11,955.00	90.40	179.70	9,395.34	-2,961.35	-110.85	2,962.08	1.96	-1.94	-0.32
12,049.00	89.50	179.00	9,395.43	-3,055.34	-109.79	3,056.06	1.21	-0.96	-0.74



Phoenix Technology Services

Survey Report



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Survey									
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12,143.00	89.30	179.30	9,396.41	-3,149.32	-108.39	3,150.03	0.38	-0.21	0.32
12,238.00	89.10	179.00	9,397.74	-3,244.30	-106.98	3,245.00	0.38	-0.21	-0.32
12,333.00	89.30	179.20	9,399.06	-3,339.28	-105.49	3,339.97	0.30	0.21	0.21
12,427.00	89.00	179.30	9,400.46	-3,433.26	-104.26	3,433.94	0.34	-0.32	0.11
12,521.00	89.10	179.50	9,402.02	-3,527.25	-103.28	3,527.91	0.24	0.11	0.21
12,615.00	88.10	179.40	9,404.31	-3,621.21	-102.37	3,621.87	1.07	-1.06	-0.11
12,709.00	90.00	181.40	9,405.87	-3,715.19	-103.03	3,715.84	2.93	2.02	2.13
12,804.00	90.50	181.60	9,405.46	-3,810.15	-105.52	3,810.83	0.57	0.53	0.21
12,897.00	91.40	182.80	9,403.92	-3,903.07	-109.09	3,903.76	1.61	0.97	1.29
12,991.00	91.60	182.50	9,401.45	-3,996.94	-113.43	3,997.66	0.38	0.21	-0.32
13,087.00	89.40	180.80	9,400.62	-4,092.88	-116.19	4,093.63	2.90	-2.29	-1.77
13,181.00	89.80	181.40	9,401.27	-4,186.86	-118.00	4,187.62	0.77	0.43	0.64
13,275.00	87.40	180.20	9,403.57	-4,280.82	-119.31	4,281.58	2.85	-2.55	-1.28
13,369.00	85.60	179.40	9,409.31	-4,374.64	-118.98	4,375.39	2.09	-1.91	-0.85
13,463.00	85.90	179.80	9,416.27	-4,468.38	-118.33	4,469.12	0.53	0.32	0.43
13,558.00	87.80	179.90	9,421.49	-4,563.23	-118.08	4,563.97	2.00	2.00	0.11
13,652.00	91.70	180.70	9,421.90	-4,657.21	-118.57	4,657.95	4.24	4.15	0.85
13,745.00	91.50	181.20	9,419.31	-4,750.16	-120.12	4,750.81	0.58	-0.22	0.54
13,839.00	92.90	181.60	9,415.70	-4,844.06	-122.41	4,844.83	1.55	1.49	0.43
13,934.00	94.80	181.90	9,409.32	-4,938.80	-125.30	4,939.58	2.02	2.00	0.32
14,028.00	92.40	181.60	9,403.42	-5,032.56	-128.17	5,033.36	2.57	-2.55	-0.32
14,123.00	91.80	181.30	9,399.94	-5,127.46	-130.57	5,128.28	0.71	-0.63	-0.32
14,217.00	89.40	180.80	9,398.95	-5,221.44	-132.29	5,222.27	2.61	-2.55	-0.53
14,312.00	89.10	180.50	9,400.20	-5,316.42	-133.37	5,317.26	0.45	-0.32	-0.32
14,406.00	90.70	180.50	9,400.36	-5,410.41	-134.19	5,411.25	1.70	1.70	0.00
14,472.00	90.70	180.43	9,399.55	-5,476.41	-134.73	5,477.25	0.11	0.00	-0.11
LPP Crossing: 14472' MD									
14,500.00	90.70	180.40	9,399.21	-5,504.40	-134.93	5,505.25	0.11	0.00	-0.11
Final Phoenix MWD Survey									
14,580.00	90.70	180.40	9,398.24	-5,584.40	-135.49	5,585.24	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)	
503.00	503.00	-10.00	-2.00	Tie in
598.00	597.86	-15.12	-1.97	First Phoenix MWD Survey
9,808.00	9,437.16	-821.96	-147.29	FPP Crossing: 9808' MD
14,472.00	9,399.55	-5,476.41	-134.73	LPP Crossing: 14472' MD
14,500.00	9,399.21	-5,504.40	-134.93	Final Phoenix MWD Survey
14,580.00	9,398.24	-5,584.40	-135.49	Projection to TD



Phoenix Technology Services
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well #201H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3144.50usft (Patterson 297)
Site:	Charlie Sweeney 31-23S-28E	MD Reference:	RKB @ 3144.50usft (Patterson 297)
Well:	#201H	North Reference:	Grid
Wellbore:	OH / Job 60109	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	Compass 5000 GCR

Checked By: _____ Approved By: _____ Date: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 134-6170
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 97442		³ Pool Name Black River Wolfcamp East (Gas)	
⁴ Property Code		⁵ Property Name CHARLIE SWEENEY 31-23S-28E RB			⁶ Well Number #201H
⁷ GRID No. 228937		⁸ Operator Name MATADOR PRODUCTION COMPANY			⁹ Elevation 3117'
¹⁰ Surface Location					
U/L or lot no. 4	Section 30	Township 23-S	Range 28-E	Lot Idn -	Feet from the 492'
		North/South line SOUTH		Feet from the 497'	East/West line WEST
				County EDDY	
U/L or lot no. 4	Section 31	Township 23-S	Range 28-E	Lot Idn -	Feet from the 240'
		North/South line SOUTH		Feet from the 330'	East/West line WEST
				County EDDY	
¹¹ Dedicated Acres 320		¹² Joint or Infill		¹³ Consolidation Code	
¹⁴ Order No.					

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.

	SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=561848 Y=462027 LAT.: N 32.2700693 LONG.: W 104.1332310 NAD 1983 X=603031 Y=462085 LAT.: N 32.2701895 LONG.: W 104.1337272 ELEV = 3117'	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. <i>Chris Carleton</i> 3/30/16 Signature Date Chris Carleton Printed Name ccarter@matadorresources.com E-mail Address	
	FIRST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=561677 Y=461205 LAT.: N 32.2678112 LONG.: W 104.1337886 NAD 1983 X=602860 Y=461264 LAT.: N 32.2679314 LONG.: W 104.1342847		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. 11/24/2015 Date of Survey Signature and Seal of Professional Surveyor Certificate Number
	LAST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=561642 Y=456550 LAT.: N 32.2550149 LONG.: W 104.1339303 NAD 1983 X=602825 Y=456608 LAT.: N 32.2551351 LONG.: W 104.1344260	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=561642 Y=456460 LAT.: N 32.2547675 LONG.: W 104.1339330 NAD 1983 X=602824 Y=456518 LAT.: N 32.2548877 LONG.: W 104.1344287	
	S:\SURVEY\MATADOR_RESOURCES\CHARLIE_SWEENEY_31-23S-28E_RB_201H\FINAL_PRODUCTS\SILO_CHARLIE_SWEENEY_31-23S-28E_RB_201H.DWG 12/10/2015 4:50:33 PM ptov		