



PHOENIX
TECHNOLOGY SERVICES

NM OIL CONSERVATION

ARTESIA DISTRICT

SEP 28 2015

RECEIVED

September 15, 2015

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

Dear District 2 - Artesia

Re: Matador Resources
Scott Walker 36-22S-27E RB 204H – WB#2
Eddy County, New Mexico
API #30-015-43162
Job No. 1513824

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	
Seth Mollerup	204H	6,668	13,617	07/16/15	08/06/15	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,

Claudia Carreon

Claudia Carreon
Operations Administrator

Certified mail receipt number: 7015 0640 0000 9907 5098

Phoenix Technology Services
SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER

1513824

ENERGY COMPANY

Matador Resources

WELL NAME

Scott Walker 36-22S-27E RB 204H - WB2

COUNTY & STATE

Eddy County, New Mexico

API WELL NUMBER

30-015-43162

PROPOSED DIRECTION

89.31°

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
6,573.00 ft	6,560.58 ft	4.30°	157.90°	123.95 ft	-165.51 ft	Phoenix MWD

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
16-Jul-15	6,668.00 ft	3.80°	184.1°

SURVEY INSTRUMENT
TYPE

Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
6-Aug-15	13,617.00 ft	89.2°	89.6°

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
6-Aug-15	13,760.00 ft	89.2°	89.6°

Seth Mollerup

PRINT YOUR NAME ABOVE

Seth Mollerup

SIGN YOUR NAME ABOVE

6-Aug-15

TODAY'S DATE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.47
DECLINATION OR GRID	GRID

MWD SUPERVISOR 1

Shane King

DIRECTIONAL DRILLER 1

Brent Shipley

MWD SUPERVISOR 2

Seth Mollerup

DIRECTIONAL DRILLER 2

Tim Owens

12329 Cutten Rd., Houston, Texas 777066 (713)337-0600 (Voice), (713)337-0599 (Fax)



NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 28 2015

RECEIVED

Matador Resources

Eddy County, New Mexico (NAD27 NME)

Scott Walker 36-22S-27E RB

204H

ST1 / Job 1513824

Design: Surveys (Patterson 297)

Standard Survey Report

07 August, 2015





Phoenix Technology Services
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 204H
Project:	Eddy County, New Mexico (NAD27 NME)	TVD Reference:	RKB @ 3103.50usft (Patterson 297)
Site:	Scott Walker 36-22S-27E RB	MD Reference:	RKB @ 3103.50usft (Patterson 297)
Well:	204H	North Reference:	Grid
Wellbore:	ST1 / Job 1513824	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	Scott Walker 36-22S-27E RB		
Site Position:		Northing:	488,337.00 usft
From:	Map	Easting:	556,768.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 20' 32.71294 N
		Longitude:	104° 8' 58.27695 W
		Grid Convergence:	0.10 °

Well	204H		
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° 20' 32.71294 N
		Longitude:	104° 8' 58.27695 W
		Ground Level:	3,076.00 usft

Wellbore	ST1 / Job 1513824		
Magnetics	Model Name	Sample Date	Declination
			(°)
	HDGM	6/22/15	7.57
			Dip Angle
			(°)
			60.18
			Field Strength
			(nT)
			48,336

Design	Surveys (Patterson 297)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	6,573.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			89.31

Survey Program	Date 8/07/15		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.00	504.00	SDI Gryo Survey (Pilot Hole)	Scientific Gyro
581.00	6,573.00	Phoenix MWD Surveys (Pilot Hole)	PHX+MWD+HDGM
6,668.00	13,760.00	Phoenix MWD Surveys (ST1 / Job 151382)	PHX+MWD+HDGM
			Description
			Scientific Drilling Intl. Standard Wireline Keeper
			PHX+MWD+HDGM
			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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.45	147.68	100.00	-0.33	0.21	0.21	0.45	0.45	0.00
165.00	0.44	146.66	165.00	-0.76	0.48	0.47	0.02	-0.02	-1.57
258.00	0.35	123.06	257.99	-1.21	0.92	0.90	0.20	-0.10	-25.38
350.00	1.15	179.88	349.99	-2.29	1.16	1.13	1.09	0.87	61.76
443.00	1.69	193.50	442.96	-4.55	0.84	0.78	0.88	0.58	14.65
504.00	1.87	184.57	503.93	-6.42	0.55	0.47	0.54	0.30	-14.64
581.00	2.10	187.00	580.88	-9.07	0.28	0.17	0.32	0.30	3.16
689.00	1.40	205.80	688.83	-12.22	-0.54	-0.69	0.83	-0.65	17.41



Phoenix Technology Services

Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 204H
Project:	Eddy County, New Mexico (NAD27 NME)	TVD Reference:	RKB @ 3103.50usft (Patterson 297)
Site:	Scott Walker 36-22S-27E RB	MD Reference:	RKB @ 3103.50usft (Patterson 297)
Well:	204H	North Reference:	Grid
Wellbore:	ST1 / Job 1513824	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)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
783.00	2.10	296.50	782.80	-12.49	-2.58	-2.73	2.70	0.74	96.49
877.00	4.90	323.60	876.62	-8.49	-6.51	-6.61	3.38	2.98	28.83
970.00	6.20	332.50	969.19	-0.84	-11.18	-11.19	1.67	1.40	9.57
1,064.00	7.00	337.70	1,062.58	8.97	-15.70	-15.59	1.06	0.85	5.53
1,158.00	7.60	341.20	1,155.80	20.15	-19.88	-19.63	0.79	0.64	3.72
1,251.00	8.40	345.50	1,247.90	32.55	-23.56	-23.17	1.07	0.86	4.62
1,345.00	8.30	351.60	1,340.90	45.91	-26.27	-25.71	0.95	-0.11	6.49
1,439.00	7.30	353.20	1,434.03	58.55	-27.97	-27.26	1.09	-1.06	1.70
1,533.00	7.00	349.50	1,527.30	70.11	-29.72	-28.87	0.58	-0.32	-3.94
1,626.00	6.60	337.10	1,619.65	80.61	-32.83	-31.86	1.63	-0.43	-13.33
1,720.00	5.70	336.80	1,713.11	89.88	-36.77	-35.69	0.96	-0.96	-0.32
1,814.00	5.00	328.50	1,806.70	97.66	-40.75	-39.57	1.11	-0.74	-8.83
1,907.00	5.20	315.60	1,899.34	104.13	-45.82	-44.56	1.25	0.22	-13.87
2,001.00	5.00	313.10	1,992.96	109.97	-51.79	-50.46	0.32	-0.21	-2.66
2,095.00	5.80	292.60	2,086.55	114.59	-59.17	-57.78	2.21	0.85	-21.81
2,188.00	6.90	283.50	2,178.99	117.70	-68.94	-67.51	1.60	1.18	-9.78
2,282.00	6.30	284.60	2,272.36	120.32	-79.42	-77.96	0.65	-0.64	1.17
2,336.00	5.40	282.10	2,326.08	121.60	-84.77	-83.30	1.73	-1.67	-4.63
2,459.00	4.50	278.90	2,448.62	123.56	-95.20	-93.70	0.77	-0.73	-2.60
2,646.00	2.10	267.80	2,635.30	124.56	-105.87	-104.36	1.32	-1.28	-5.94
2,833.00	1.80	280.80	2,822.19	124.98	-112.18	-110.66	0.28	-0.16	6.95
3,020.00	1.90	280.80	3,009.09	126.11	-118.11	-116.58	0.05	0.05	0.00
3,207.00	2.20	280.00	3,195.97	127.32	-124.69	-123.15	0.16	0.16	-0.43
3,395.00	2.30	279.30	3,383.83	128.55	-131.96	-130.41	0.06	0.05	-0.37
3,582.00	2.10	282.90	3,570.69	129.93	-139.01	-137.43	0.13	-0.11	1.93
3,769.00	1.80	291.20	3,757.58	131.75	-145.08	-143.49	0.22	-0.16	4.44
3,957.00	1.60	290.20	3,945.50	133.73	-150.30	-148.68	0.11	-0.11	-0.53
4,144.00	1.50	292.20	4,132.43	135.55	-155.02	-153.37	0.08	-0.05	1.07
4,331.00	1.00	301.40	4,319.39	137.33	-158.68	-157.01	0.29	-0.27	4.92
4,519.00	1.00	308.00	4,507.38	139.19	-161.37	-159.68	0.08	0.00	3.51
4,706.00	1.00	312.70	4,694.33	141.30	-163.85	-162.14	0.04	0.00	2.51
4,893.00	0.90	306.00	4,881.30	143.27	-166.24	-164.50	0.08	-0.05	-3.58
5,080.00	1.00	302.90	5,068.28	145.02	-168.80	-167.04	0.08	0.05	-1.66
5,268.00	0.80	277.40	5,256.26	146.08	-171.48	-169.71	0.24	-0.11	-13.56
5,455.00	0.70	243.70	5,443.24	145.75	-173.80	-172.03	0.24	-0.05	-18.02
5,643.00	0.50	193.20	5,631.23	144.44	-175.01	-173.26	0.29	-0.11	-26.86
5,830.00	1.60	239.60	5,818.20	142.32	-177.45	-175.73	0.70	0.59	24.81
6,017.00	0.40	141.20	6,005.17	140.49	-179.30	-177.59	0.91	-0.64	-52.62
6,205.00	2.30	95.40	6,193.12	139.63	-175.13	-173.43	1.09	1.01	-24.36
6,392.00	3.00	159.80	6,379.95	134.68	-169.70	-168.07	1.54	0.37	34.44
6,573.00	4.30	157.90	6,560.58	123.95	-165.51	-164.01	0.72	0.72	-1.05
Tie-In to OH									
6,668.00	3.80	184.10	6,655.35	117.51	-164.40	-162.97	2.00	-0.53	27.58



Phoenix Technology Services
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 204H
Project:	Eddy County, New Mexico (NAD27 NME)	TVD Reference:	RKB @ 3103.50usft (Patterson 297)
Site:	Scott Walker 36-22S-27E RB	MD Reference:	RKB @ 3103.50usft (Patterson 297)
Well:	204H	North Reference:	Grid
Wellbore:	ST1 / Job 1513824	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)
First ST Survey									
6,762.00	5.80	187.50	6,749.02	109.69	-165.24	-163.91	2.15	2.13	3.62
6,856.00	5.40	237.40	6,842.62	102.59	-169.59	-168.34	5.03	-0.43	53.09
6,950.00	5.40	251.10	6,936.21	98.78	-177.50	-176.30	1.37	0.00	14.57
7,044.00	6.30	267.30	7,029.72	97.10	-186.84	-185.65	1.99	0.96	17.23
7,138.00	7.40	285.20	7,123.06	98.45	-197.83	-196.63	2.54	1.17	19.04
7,231.00	8.80	308.40	7,215.16	104.44	-209.19	-207.92	3.79	1.51	24.95
7,325.00	8.50	314.10	7,308.09	113.74	-219.81	-218.43	0.97	-0.32	6.06
7,418.00	7.90	316.00	7,400.14	123.12	-229.19	-227.69	0.71	-0.65	2.04
7,512.00	10.00	326.40	7,492.99	134.57	-238.20	-236.56	2.81	2.23	11.06
7,606.00	10.20	327.00	7,585.54	148.34	-247.25	-245.44	0.24	0.21	0.64
7,699.00	10.30	333.60	7,677.06	162.70	-255.43	-253.45	1.27	0.11	7.10
7,793.00	8.30	334.60	7,769.82	176.35	-262.07	-259.93	2.13	-2.13	1.06
7,887.00	6.20	333.00	7,863.06	187.01	-267.29	-265.02	2.24	-2.23	-1.70
7,980.00	5.20	351.50	7,955.61	195.65	-270.19	-267.82	2.24	-1.08	19.89
8,074.00	3.20	12.30	8,049.35	202.43	-270.26	-267.81	2.64	-2.13	22.13
8,168.00	2.10	76.70	8,143.27	205.39	-268.03	-265.54	3.16	-1.17	68.51
8,261.00	2.10	93.60	8,236.21	205.67	-264.67	-262.17	0.66	0.00	18.17
8,355.00	1.90	84.60	8,330.15	205.71	-261.40	-258.90	0.40	-0.21	-9.57
8,449.00	1.00	48.20	8,424.12	206.41	-259.24	-256.73	1.33	-0.96	-38.72
8,542.00	0.60	352.00	8,517.11	207.43	-258.70	-256.18	0.89	-0.43	-60.43
8,636.00	0.40	231.90	8,611.11	207.71	-259.03	-256.51	0.83	-0.21	-127.77
8,662.00	0.50	226.90	8,637.11	207.58	-259.18	-256.66	0.41	0.38	-19.23
8,694.00	1.10	70.50	8,669.11	207.59	-258.99	-256.47	4.91	1.88	-488.75
8,725.00	5.30	61.10	8,700.06	208.38	-257.46	-254.93	13.61	13.55	-30.32
8,756.00	9.70	59.60	8,730.78	210.39	-253.95	-251.40	14.21	14.19	-4.84
8,787.00	14.60	59.40	8,761.08	213.71	-248.33	-245.74	15.81	15.81	-0.65
8,819.00	17.70	54.80	8,791.81	218.56	-240.88	-238.23	10.47	9.69	-14.38
8,850.00	21.30	54.60	8,821.03	224.54	-232.44	-229.72	11.61	11.61	-0.65
8,881.00	25.50	56.20	8,849.48	231.52	-222.30	-219.50	13.70	13.55	5.16
8,912.00	29.30	58.60	8,876.99	239.19	-210.28	-207.38	12.76	12.26	7.74
8,944.00	32.10	61.20	8,904.51	247.37	-196.14	-193.15	9.88	8.75	8.13
8,975.00	34.80	65.80	8,930.37	254.96	-180.85	-177.76	11.94	8.71	14.84
9,006.00	36.40	70.90	8,955.59	261.60	-164.08	-160.92	10.88	5.16	16.45
9,037.00	37.70	76.40	8,980.33	266.84	-146.17	-142.95	11.48	4.19	17.74
9,069.00	39.80	80.70	9,005.29	270.80	-126.55	-123.28	10.67	6.56	13.44
9,100.00	42.70	81.50	9,028.60	273.96	-106.36	-103.05	9.51	9.35	2.58
9,131.00	46.20	80.90	9,050.72	277.28	-84.91	-81.56	11.37	11.29	-1.94
9,162.00	49.50	80.00	9,071.52	281.10	-62.25	-58.86	10.86	10.65	-2.90
9,193.00	52.60	79.40	9,091.01	285.41	-38.53	-35.09	10.11	10.00	-1.94
9,225.00	56.30	80.00	9,109.61	290.06	-12.92	-9.42	11.66	11.56	1.88
9,256.00	60.40	80.90	9,125.88	294.43	13.10	16.64	13.45	13.23	2.90
9,287.00	62.70	81.40	9,140.64	298.63	40.03	43.62	7.55	7.42	1.61
9,318.00	64.50	81.00	9,154.43	302.87	67.47	71.11	5.92	5.81	-1.29



Phoenix Technology Services

Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 204H
Project:	Eddy County, New Mexico (NAD27 NME)	TVD Reference:	RKB @ 3103.50usft (Patterson 297)
Site:	Scott Walker 36-22S-27E RB	MD Reference:	RKB @ 3103.50usft (Patterson 297)
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Wellbore:	ST1 / Job 1513824	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)
9,350.00	66.00	81.00	9,167.82	307.42	96.17	99.87	4.69	4.69	0.00
9,450.00	70.40	82.10	9,204.95	321.05	187.99	191.84	4.52	4.40	1.10
9,481.00	71.30	81.70	9,215.12	325.17	216.98	220.88	3.15	2.90	-1.29
9,513.00	73.10	82.90	9,224.90	329.25	247.17	251.12	6.66	5.63	3.75
9,544.00	76.00	81.70	9,233.16	333.26	276.78	280.77	10.07	9.35	-3.87
9,576.00	79.60	79.40	9,239.92	338.40	307.62	311.68	13.26	11.25	-7.19
9,607.00	81.50	78.90	9,245.01	344.15	337.65	341.77	6.33	6.13	-1.61
9,639.00	82.40	78.30	9,249.49	350.42	368.71	372.91	3.37	2.81	-1.88
9,670.00	81.40	77.90	9,253.86	356.74	398.74	403.01	3.47	-3.23	-1.29
9,701.00	80.60	78.10	9,258.71	363.11	428.69	433.04	2.66	-2.58	0.65
9,733.00	81.20	79.40	9,263.77	369.27	459.68	464.10	4.43	1.88	4.06
9,764.00	83.60	77.80	9,267.87	375.35	489.80	494.29	9.28	7.74	-5.16
9,795.00	87.10	78.50	9,270.38	381.69	520.04	524.59	11.51	11.29	2.26
9,827.00	88.00	78.10	9,271.75	388.18	551.34	555.98	3.08	2.81	-1.25
9,890.00	89.70	82.40	9,273.02	398.84	613.40	618.16	7.34	2.70	6.83
9,921.00	91.30	86.80	9,272.75	401.75	644.28	649.05	15.10	5.16	14.19
9,986.00	91.30	87.20	9,271.27	405.16	709.15	713.98	0.62	0.00	0.62
10,081.00	91.50	88.90	9,268.95	408.39	804.06	808.92	1.80	0.21	1.79
10,175.00	87.00	87.70	9,270.18	411.17	897.99	902.87	4.95	-4.79	-1.28
10,241.00	86.90	88.30	9,273.69	413.47	963.85	968.76	0.92	-0.15	0.91
10,335.00	88.80	88.80	9,277.22	415.85	1,057.75	1,062.68	2.09	2.02	0.53
10,429.00	86.80	88.40	9,280.83	418.15	1,151.65	1,156.60	2.17	-2.13	-0.43
10,524.00	86.50	87.90	9,286.38	421.21	1,246.44	1,251.42	0.61	-0.32	-0.53
10,618.00	92.30	89.60	9,287.36	423.26	1,340.37	1,345.37	6.43	6.17	1.81
10,712.00	86.90	89.70	9,288.02	423.83	1,434.33	1,439.33	5.75	-5.74	0.11
10,807.00	83.90	89.90	9,295.64	424.16	1,529.01	1,534.01	3.16	-3.16	0.21
10,902.00	84.80	89.20	9,304.99	424.90	1,623.54	1,628.54	1.20	0.95	-0.74
10,997.00	84.30	89.20	9,314.01	426.22	1,718.11	1,723.11	0.53	-0.53	0.00
11,091.00	85.70	88.90	9,322.20	427.78	1,811.73	1,816.75	1.52	1.49	-0.32
11,185.00	86.00	88.00	9,329.01	430.31	1,905.45	1,910.49	1.01	0.32	-0.96
11,279.00	88.20	88.10	9,333.76	433.51	1,999.27	2,004.35	2.34	2.34	0.11
11,373.00	89.10	88.90	9,335.98	435.97	2,093.21	2,098.31	1.28	0.96	0.85
11,468.00	90.20	88.00	9,336.56	438.54	2,188.17	2,193.29	1.50	1.16	-0.95
11,561.00	91.60	89.60	9,335.10	440.48	2,281.13	2,286.27	2.29	1.51	1.72
11,636.00	92.70	91.40	9,332.28	439.83	2,356.07	2,361.20	2.81	1.47	2.40
11,730.00	90.90	92.00	9,329.33	437.04	2,449.98	2,455.07	2.02	-1.91	0.64
11,825.00	88.30	91.50	9,329.99	434.14	2,544.93	2,549.97	2.79	-2.74	-0.53
11,919.00	90.60	92.00	9,330.90	431.27	2,638.87	2,643.87	2.50	2.45	0.53
12,014.00	86.90	89.10	9,332.97	430.36	2,733.82	2,738.80	4.95	-3.89	-3.05
12,108.00	86.10	88.90	9,338.71	432.00	2,827.63	2,832.63	0.88	-0.85	-0.21
12,202.00	85.80	89.20	9,345.35	433.55	2,921.38	2,926.39	0.45	-0.32	0.32
12,296.00	87.80	89.50	9,350.59	434.62	3,015.22	3,020.24	2.15	2.13	0.32
12,391.00	87.60	89.30	9,354.41	435.61	3,110.14	3,115.16	0.30	-0.21	-0.21



Phoenix Technology Services
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 204H
Project:	Eddy County, New Mexico (NAD27 NME)	TVD Reference:	RKB @ 3103.50usft (Patterson 297)
Site:	Scott Walker 36-22S-27E RB	MD Reference:	RKB @ 3103.50usft (Patterson 297)
Well:	204H	North Reference:	Grid
Wellbore:	ST1 / Job 1513824	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)	
12,485.00	90.60	88.10	9,355.88	437.74	3,204.09	3,209.13	3.44	3.19	-1.28	
12,579.00	90.30	87.80	9,355.14	441.10	3,298.03	3,303.10	0.45	-0.32	-0.32	
12,673.00	89.50	87.00	9,355.31	445.37	3,391.93	3,397.05	1.20	-0.85	-0.85	
12,767.00	88.80	87.40	9,358.34	449.96	3,485.76	3,490.93	2.90	-2.87	0.43	
12,862.00	88.20	90.30	9,362.49	451.86	3,580.64	3,585.82	3.39	1.47	3.05	
12,956.00	92.50	92.40	9,361.91	449.65	3,674.58	3,679.73	5.09	4.57	2.23	
13,051.00	90.40	91.00	9,359.51	446.83	3,769.50	3,774.61	2.66	-2.21	-1.47	
13,145.00	89.90	90.30	9,359.26	445.76	3,863.50	3,868.58	0.92	-0.53	-0.74	
13,239.00	86.40	89.70	9,362.30	445.76	3,957.43	3,962.51	3.78	-3.72	-0.64	
13,333.00	85.90	89.70	9,368.81	446.26	4,051.22	4,056.30	0.53	-0.53	0.00	
13,428.00	88.80	90.30	9,373.00	446.25	4,146.11	4,151.18	3.12	3.05	0.63	
13,522.00	88.00	89.80	9,375.62	446.17	4,240.07	4,245.13	1.00	-0.85	-0.53	
13,617.00	89.20	89.60	9,377.95	446.67	4,335.04	4,340.10	1.28	1.26	-0.21	
Final ST Survey										
13,760.00	89.20	89.60	9,379.94	447.67	4,478.02	4,483.09	0.00	0.00	0.00	
Projection to TD										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
6,573.00	6,560.58	123.95	-165.51	Tie-in to OH	
6,668.00	6,655.35	117.51	-164.40	First ST Survey	
13,617.00	9,377.95	446.67	4,335.04	Final ST Survey	
13,760.00	9,379.94	447.67	4,478.02	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____

NM OIL CONSERVATION

ARTESIA DISTRICT

SEP 28 2015

FORM C-102

Revised August 1, 2011

RECEIVED mit one copy to appropriate

District Office

☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-43162	² Pool Code 74270	³ Pool Name CASS DEW: WC (Gas)
⁴ Property Code 314873	⁵ Property Name SCOTT WALKER 36-22S-27E RB	⁶ Well Number #204H
⁷ OCRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3076'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	22-S	27-E	-	330'	SOUTH	635'	WEST	EDDY

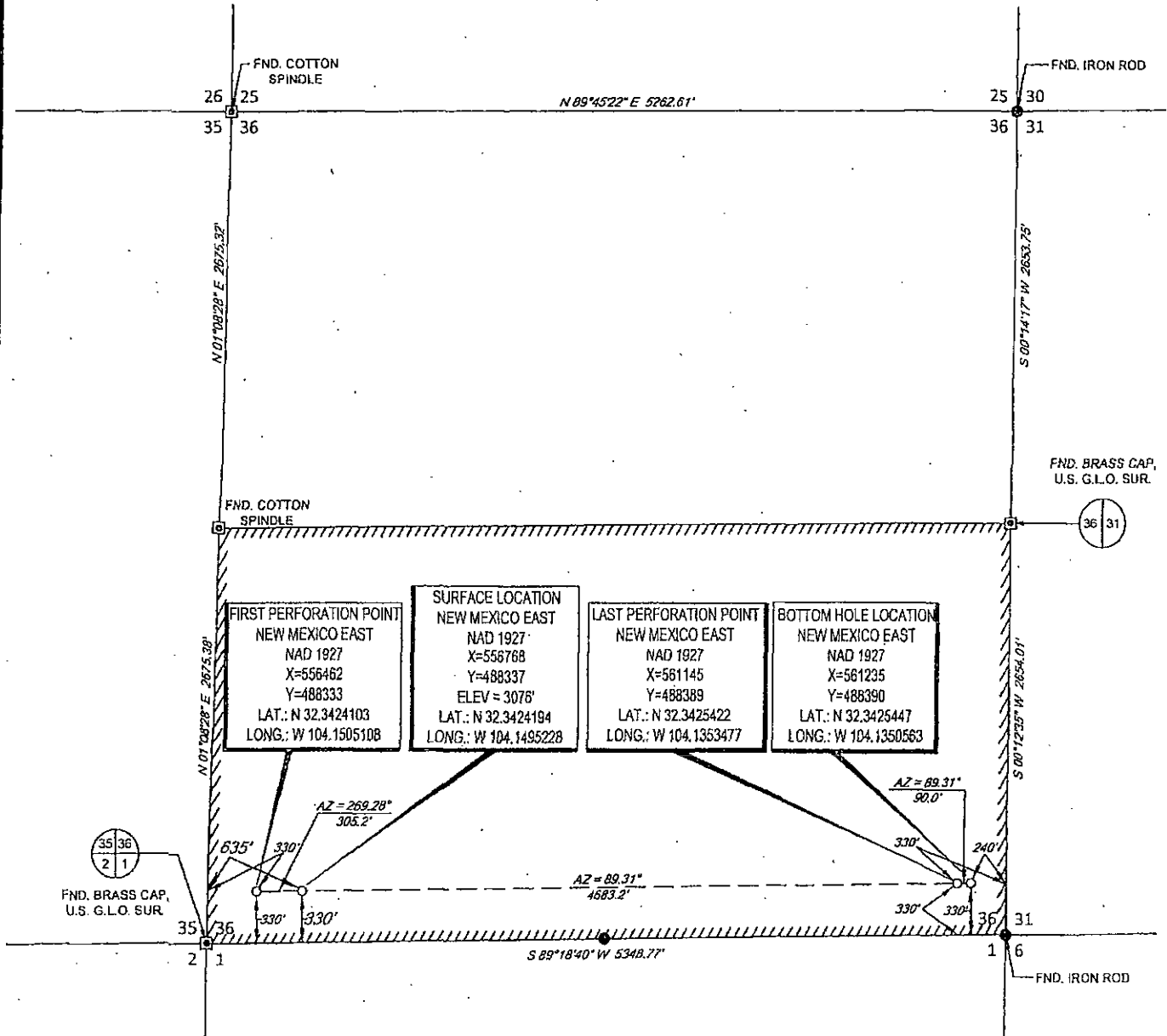
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	22-S	27-E	-	330'	SOUTH	240'	EAST	EDDY

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

¹⁶				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 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 the 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> 6/1/15 Signature Date Chris Carleton Printed Name ccarleton@matadorresources.com E-mail Address
FIRST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=556462 Y=488333 LAT.: N 32.3424103 LONG.: W 104.1505108	SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=556768 Y=488337 LAT.: N 32.3424194 LONG.: W 104.1495228	LAST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=561145 Y=488389 LAT.: N 32.3425422 LONG.: W 104.1353477	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=561235 Y=488390 LAT.: N 32.3425447 LONG.: W 104.1350563	
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. 05/28/2015 Date of Survey <i>Michael R. Brown</i> Signature and Seal of Professional Surveyor 18329 Certificate Number				

SECTION 36, TOWNSHIP 22-S, RANGE 27-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



FND. BRASS CAP,
U.S. G.L.O. SUR.



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

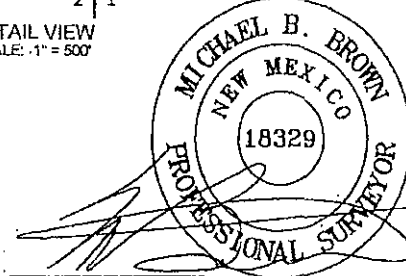
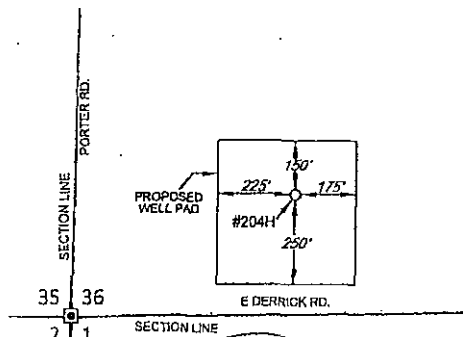
LEASE NAME & WELL NO.: SCOTT WALKER 36-22S-27E RB #204H

SECTION 36 TWP 22-S RGE 27-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 330' FSL & 635' FWL

DISTANCE & DIRECTION

FROM INT. OF NM-31, & US-285 N. GO NORTHWEST ON US-285 N
±2.5 MILES, THENCE NORTH ON PORTER RD ±0.4 MILES TO A
POINT ±650 FEET WEST OF THIS LOCATION.

DETAIL VIEW
SCALE: 1" = 500'



Michael Blake Brown, P.S. No. 18329
MAY 29, 2015