

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



Notice of C-104 Denial and Request for Information

OCD denies your C-104 – *Request for Allowable and Authorization to Transport* because it is incomplete or conflicts with other information provided to OCD.

The sale or transport of product without a C-104 approved by OCD violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC.

To avoid an enforcement action, you must submit the indicated information no later than 30 days after receipt of this notice.

Test Allowable, New Well and Recompleted Well

12/18/19
Amend C-104
30-015-44167

- ☐ C-103 (or BLM equivalent) for all casing strings
 - ☐ Spud Notice
 - ☐ Surface Casing
 - ☐ Intermediate Casing (if applicable)
 - ☐ Additional Intermediate Casing (if applicable)
 - ☐ Production Casing or Liner
- ☐ Applicable Order (NSL, NSP, Other _____)
- ☐ Deviation Survey for Vertical Wells
- ☐ Directional Survey
 - ☒ C-102 (As-Drilled Plat for Horizontal Well)

New Well and Recompleted Well Only

- ☒ C-103 Completion Sundry (or BLM equivalent)
- ☒ C-105 Completion Report (or BLM equivalent) Amend
- ☒ All Logs Run on Well

If you have any questions please contact the local OCD District Office

1 District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised Feb. 26, 2007

Oil Conservation Division
1220 South St. Francis Dr.

Submit to Appropriate District Office
5 Copies

Santa Fe, NM 87505

DISTRICT IV-ARTESIA O.C.D.

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240		² OGRID Number 228937
		³ Reason for Filing Code/ Effective Date New Production
⁴ API Number 30 - 015-44167	⁵ Pool Name Burton Flat-Wolfcamp East (Oil)	⁶ Pool Code 98315
⁷ Property Code 317744	⁸ Property Name Stebbins 19 Fed Com	⁹ Well Number 204H

II. ¹⁰ Surface Location

UL or lot no. I	Section 19	Township 20S	Range 29E	Lot Idn	Feet from the 210'	North/South South Line	Feet from the 110'	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot M	Section 19	Township 20S	Range 29E	Lot Idn	Feet from the 431'	North/South line South Line	Feet from the 37'	East/West line West	County Eddy
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 9/4/2019	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
30174	BP America Inc. 4865 Ward Rd. Suite 200, Wheatridge, CO 80033	O
151618	Enterprise Products 2727 N. Loop W., Suite 700, Houston, TX 77008	G

IV. Well Completion Data

²¹ Spud Date 4/6/2019	²² Ready Date 9/10/2019	²³ TD 9,329'-14,160'	²⁴ PBDT 14,053'	²⁵ Perforations 9,360'-14,004'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
26"	20"	397'	1,200		
17 1/2"	13 3/8"	1,190'	1,341		
12 1/4"	9 5/8"	3,095'	1,395		
8 3/4"	5 1/2"	14,144'	2,469		

V. Well Test Data

³¹ Date New Oil 9/2/2019	³² Gas Delivery Date 9/4/2019	³³ Test Date 9/19/2019	³⁴ Test Length 24	³⁵ Tbg. Pressure n/a	³⁶ Csg. Pressure 800
³⁷ Choke Size 48/64	³⁸ Oil 1,707	³⁹ Water 2,163	⁴⁰ Gas 3,330		⁴¹ Test Method ESP

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature:

Printed name: Tammy Link

Title: Production Analyst

E-mail Address: tlink@matadorresources.com

Date: 11/1/2019

Phone: 575-623-6601

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

DENIED
See Attached Cover Sheet

RECEIVED

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 14 2019

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

5. Lease Serial No.
NMNM03677

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
 b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
 Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
MATADOR PRODUCTION COMPANY
Contact: TAMMY R LINK
Email: tlink@matadorresources.com

8. Lease Name and Well No.
STEBBINS 19 FED COM 204H

3. Address 5400 LBJ FREEWAY, SUITE 1500
DALLAS, TX 75240

3a. Phone No. (include area code)
Ph: 575-627-2465

9. API Well No.
30-015-44167

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SESE Lot 16 210FSL 110FEL
 Sec 19 T20S R29E Mer NMP

At top prod interval reported below
 Sec 19 T20S R29E Mer NMP

At total depth SWSW 431FSL 37FWL

10. Field and Pool, or Exploratory
BURTON FLAT-WC EAST (OIL)11. Sec., T., R., M., or Block and Survey
or Area Sec 19 T20S R29E Mer NMP12. County or Parish
EDDY13. State
NM14. Date Spudded
04/06/201915. Date T.D. Reached
05/11/2019

16. Date Completed
☐ D & A ☒ Ready to Prod.
 09/10/2019

17. Elevations (DF, KB, RT, GL)*
3242 GL

18. Total Depth: MD 14160
TVD 93299

19. Plug Back T.D.: MD 14053
TVD ?

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
LOGS TO WIS

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
 Was DST run? ☒ No ☐ Yes (Submit analysis)
 Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	20.000 J-55	94.0	0	397		1200			478
17.500	13.375 J-55	54.5	0	1190		1341			458
12.250	9.625 J-55	40.0	0	3095		1395			39
8.750	5.500 P-110	20.0	0	14144		2469			330

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875								

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP A-XY	9360	14004	9360 TO 14004	4 1/2"	41	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
9360 TO 14004	15% ACID 15300, 100 MESH 9759, 40/70 MESH 101482, 8 CLUSTERS PER STAGE.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/02/2019	09/19/2019	24	→	1707.0	3330.0	2163.0			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
48/64	SI	800.0	→	1707	3330	2163		POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #491492 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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
Sante Fe, NM 87505

RECEIVED

FORM C-102

Revised August 1, 2011

NOV 14 2019

Submit one copy to appropriate

District Office

DISTRICT IV-ARTESIA O.C.D.

AMENDED
AS DRILLED?

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-01544167	² Pool Code 98315	³ Pool Name Burton Flat-Wolfcamp East (Oil)
⁴ Property Code 317744	⁵ Property Name STEBBINS 19 FED COM	⁶ Well Number 204H
⁷ GRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3242'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	19	20-S	29-E	-	210'	SOUTH	110'	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	19	20-S	29-E	-	431'	SOUTH	37'	WEST	EDDY

¹² Dedicated Acres 311.12	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.

16 BOTTOM HOLE LOCATION NEW MEXICO EAST NAD1927 X=565162 Y=564888 LAT.: N 32.5528063 LONG.: W 104.1218519 NAD1983 X=606342 Y=564949 LAT.: N 32.5529246 LONG.: W 104.1223567 MD = 14160'	LAST TAKE POINT NEW MEXICO EAST NAD1927 X=565225 Y=564883 LAT.: N 32.5527935 LONG.: W 104.1216467 NAD1983 X=606406 Y=564945 LAT.: N 32.5529118 LONG.: W 104.1221515 MD = 14095'	PENETRATION POINT NEW MEXICO EAST NAD1927 X=570169 Y=564892 LAT.: N 32.5527903 LONG.: W 104.1056007 NAD1983 X=611350 Y=564954 LAT.: N 32.5529088 LONG.: W 104.1061051 MD = 9028'	KICK OFF POINT NEW MEXICO EAST NAD1927 X=570224 Y=564901 LAT.: N 32.5528133 LONG.: W 104.1054212 NAD1983 X=611405 Y=564962 LAT.: N 32.5529318 LONG.: W 104.1059256 MD = 8812'	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 undleased 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>Tammy R. Link</i> 11/1/2019 Signature Date Printed Name tlink@matadorresources.com E-mail Address
SURFACE LOCATION NEW MEXICO EAST NAD1927 X=570159 Y=564669 LAT.: N 32.5521779 LONG.: W 104.1056339 NAD1983 X=611340 Y=564731 LAT.: N 32.5522963 LONG.: W 104.1061383 ELEV = 3242'	FIRST TAKE POINT NEW MEXICO EAST NAD1927 X=569976 Y=564855 LAT.: N 32.5526887 LONG.: W 104.1062292 NAD1983 X=611156 Y=564916 LAT.: N 32.5528075 LONG.: W 104.1067332 MD = 9310'	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. 01/10/2019 Date of Survey Signature and Seal of Professional Engineer ANGEL M. BAEZA NEW MEXICO PROFESSIONAL SURVEYOR 25116 Certificate Number		

Intent ☐ As Drilled ☒

NOV 14 2019

API #
30-015-44167

DISTRICT 7 - ARTESIA O.C.D.

Operator Name: Matador Production	Property Name: Stebbins 19 Fed Com	Well Number 204H
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Kick Off Point (KOP)

UL P	Section 19	Township 20S	Range 29E	Lot	Feet 210'	From N/S S	Feet 110'	From E/W E	County Eddy
Latitude 32.5529318					Longitude -104.1059256			NAD Eddy 83	

First Take Point (FTP)

UL P	Section 19	Township 20S	Range 29E	Lot	Feet 293'	From N/S S	Feet 45'	From E/W W	County Eddy
Latitude 32.5528075					Longitude -104.1067332			NAD 83	

Last Take Point (LTP)

UL M	Section 19	Township 20S	Range 29E	Lot	Feet 431	From N/S S	Feet 37'	From E/W W	County Eddy
Latitude 32.5529118					Longitude -104.1221515			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit?

☒ NO

Is this well an infill well?

☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



PRODIRECTIONAL

RECEIVED

NOV 14 2019

DISTRICT II-ARTESIA O.C.D.



Stebbins 19 Fed Com No. 204H

Eddy County, NM

June 04, 2019

Job No. LNM5205919

ORIGINAL

Certified Report



PRODIRECTIONAL

Survey Certification Letter

June 04, 2019



Operator Name: Matador Resources
Well Name: Stebbins 19 Fed Com No. 204H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5205919

This is to certify the surveys performed on the referenced well by Professional Directional Ent., Inc. are true and correct MWD Surveys, data provided as follows:

Surveyor	Surveyed Depths	Projection to Bit	Dates Performed	Type of Survey
ProDirectional	1,242' MD – 14,077' MD	14,160' MD	04/30/19 – 05/10/19	MWD

Sincerely,

Mike Coats
Regulatory Specialist
Professional Directional

850 Conroe Park West Drive | Conroe, TX 77303 | Phone: 936.441.7266

prodirectional.com



Matador Resources

**Eddy County, NM
Stebbins 19 Fed Com
No. 204H
OH**

Survey: ProDirectional

Survey Report

04 June, 2019





ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3270.50usft
Site:	Stebbins Fed 19	MD Reference:	Well @ 3270.50usft
Well:	No. 204H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Project		Eddy County, NM (NAD 83)	
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Stebbins Fed 19			
Site Position:		Northing:		566,838.00 usft	
From: Map		Easting:		611,035.00 usft	
Position Uncertainty:		Slot Radius:		13-3/16 "	
				Latitude: 32.558090	
				Longitude: -104.107113	
				Grid Convergence: 0.12 °	

Well		No. 204H				
Well Position	+N/-S	0.00 usft	Northing:	564,731.00 usft	Latitude:	32.552297
	+E/-W	0.00 usft	Easting:	611,340.00 usft	Longitude:	-104.106138
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,242.00 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/4/2019	7.22	60.32	47,995.00

Design	MWD			
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	269.97



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3270.50usft
Site:	Stebbins Fed 19	MD Reference:	Well @ 3270.50usft
Well:	No. 204H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey Program		Date 6/4/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
95.00	1,095.00	Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
1,242.00	14,160.00	Survey #2 (OH)	MWD+HDGM	OWSG MWD + HRGM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	564,731.00	611,340.00	
95.00	0.52	39.76	95.00	-0.28	0.33	0.28	0.43	39.76	564,731.33	611,340.28	
189.00	0.45	67.83	189.00	-0.89	0.80	0.89	1.20	48.11	564,731.80	611,340.89	
283.00	0.93	81.22	282.99	-1.99	1.05	1.99	2.25	62.04	564,732.05	611,341.99	
377.00	1.77	95.90	376.96	-4.18	1.02	4.18	4.31	76.28	564,732.02	611,344.18	
471.00	2.53	96.73	470.89	-7.69	0.63	7.69	7.71	85.32	564,731.63	611,347.69	
565.00	2.53	92.82	564.80	-11.82	0.28	11.82	11.82	88.62	564,731.28	611,351.82	
659.00	2.39	80.57	658.72	-15.83	0.50	15.83	15.83	88.18	564,731.50	611,355.83	
753.00	2.41	77.01	752.63	-19.69	1.27	19.69	19.73	86.31	564,732.27	611,359.69	
847.00	2.26	45.67	846.56	-22.94	3.01	22.94	23.13	82.53	564,734.01	611,362.94	
941.00	1.86	21.70	940.50	-24.83	5.72	24.83	25.48	77.03	564,736.72	611,364.83	
1,035.00	1.49	26.97	1,034.46	-25.95	8.23	25.95	27.22	72.41	564,739.23	611,365.95	
1,095.00	1.09	46.97	1,094.45	-26.72	9.31	26.72	28.29	70.78	564,740.31	611,366.72	
1,242.00	1.00	92.60	1,241.42	-29.03	10.21	29.02	30.76	70.62	564,741.21	611,369.02	
Pro MWD First Survey: 1242' MD											
1,335.00	0.90	110.40	1,334.41	-30.52	9.92	30.52	32.09	72.00	564,740.92	611,370.52	
1,428.00	0.90	94.70	1,427.40	-31.93	9.60	31.93	33.34	73.26	564,740.60	611,371.93	
1,521.00	1.70	11.00	1,520.38	-32.93	10.90	32.92	34.68	71.69	564,741.90	611,372.92	
1,614.00	3.10	4.20	1,613.30	-33.37	14.76	33.37	36.49	66.14	564,745.76	611,373.37	
1,708.00	2.90	8.50	1,707.17	-33.91	19.65	33.90	39.18	59.91	564,750.65	611,373.90	
1,801.00	2.80	7.30	1,800.05	-34.55	24.22	34.54	42.19	54.96	564,755.22	611,374.54	



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3270.50usft
Site:	Stebbins Fed 19	MD Reference:	Well @ 3270.50usft
Well:	No. 204H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
1,895.00	2.60	11.10	1,893.95	-35.26	28.59	35.24	45.38	50.95	564,759.59	611,375.24	
1,988.00	2.20	8.50	1,986.87	-35.93	32.43	35.91	48.39	47.92	564,763.43	611,375.91	
2,081.00	3.00	1.50	2,079.77	-36.26	36.63	36.24	51.53	44.70	564,767.63	611,376.24	
2,175.00	4.60	352.60	2,173.56	-35.84	42.83	35.82	55.83	39.91	564,773.83	611,375.82	
2,269.00	4.90	355.00	2,267.24	-35.01	50.56	34.98	61.49	34.68	564,781.56	611,374.98	
2,362.00	4.90	356.60	2,359.90	-34.43	58.48	34.40	67.85	30.47	564,789.48	611,374.40	
2,456.00	4.70	1.40	2,453.57	-34.29	66.34	34.26	74.67	27.31	564,797.34	611,374.26	
2,549.00	4.70	2.00	2,546.26	-34.52	73.96	34.48	81.60	25.00	564,804.96	611,374.48	
2,643.00	4.60	4.10	2,639.95	-34.93	81.57	34.89	88.72	23.16	564,812.57	611,374.89	
2,736.00	4.80	6.30	2,732.64	-35.63	89.15	35.58	95.99	21.76	564,820.15	611,375.58	
2,830.00	4.80	7.30	2,826.31	-36.56	96.96	36.51	103.61	20.63	564,827.96	611,376.51	
2,923.00	4.40	7.80	2,919.01	-37.55	104.36	37.49	110.89	19.76	564,835.36	611,377.49	
3,017.00	4.50	10.60	3,012.72	-38.72	111.56	38.66	118.06	19.11	564,842.56	611,378.66	
3,047.00	4.60	8.00	3,042.63	-39.10	113.90	39.04	120.41	18.92	564,844.90	611,379.04	
3,203.00	4.30	11.80	3,198.16	-41.18	125.82	41.11	132.37	18.09	564,856.82	611,381.11	
3,297.00	4.40	11.10	3,291.89	-42.59	132.81	42.52	139.45	17.75	564,863.81	611,382.52	
3,390.00	4.50	12.20	3,384.61	-44.06	139.88	43.98	146.63	17.46	564,870.88	611,383.98	
3,483.00	4.50	12.10	3,477.32	-45.60	147.01	45.52	153.90	17.20	564,878.01	611,385.52	
3,577.00	4.70	9.00	3,571.02	-46.97	154.42	46.89	161.38	16.89	564,885.42	611,386.89	
3,670.00	4.80	9.80	3,663.70	-48.24	162.02	48.15	169.02	16.55	564,893.02	611,388.15	
3,763.00	4.80	7.70	3,756.37	-49.42	169.71	49.34	176.73	16.21	564,900.71	611,389.34	
3,857.00	5.00	5.90	3,850.03	-50.38	177.68	50.28	184.66	15.80	564,908.68	611,390.28	
3,950.00	4.90	5.00	3,942.68	-51.14	185.67	51.05	192.56	15.37	564,916.67	611,391.05	
4,044.00	5.10	4.40	4,036.32	-51.82	193.83	51.72	200.61	14.94	564,924.83	611,391.72	
4,137.00	5.00	4.40	4,128.96	-52.45	202.00	52.35	208.67	14.53	564,933.00	611,392.35	
4,231.00	4.70	41.90	4,222.65	-55.34	208.95	55.23	216.12	14.81	564,939.95	611,395.23	
4,324.00	2.10	40.50	4,315.48	-59.00	213.08	58.88	221.07	15.45	564,944.08	611,398.88	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Stebbins, Fed 19
Well: No. 204H
Wellbore: OH
Design: MWD

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well No.: 204H

Well @ 3270.50usft

Well @ 3270.50usft

Grid

Minimum Curvature

WellPlanner1

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
4,418.00	1.50	42.70	4,409.43	-60.95	215.29	60.84	223.72	15.78	564,946.29	611,400.84
4,511.00	1.70	32.90	4,502.40	-62.53	217.35	62.41	226.13	16.02	564,948.35	611,402.41
4,605.00	1.90	28.50	4,596.35	-64.03	219.89	63.91	228.99	16.21	564,950.89	611,403.91
4,698.00	1.90	32.20	4,689.30	-65.59	222.55	65.47	231.98	16.39	564,953.55	611,405.47
4,792.00	1.90	27.80	4,783.25	-67.14	225.24	67.03	235.00	16.57	564,956.24	611,407.03
4,885.00	1.90	23.60	4,876.20	-68.48	228.02	68.36	238.05	16.69	564,959.02	611,408.36
4,978.00	2.00	26.30	4,969.14	-69.82	230.89	69.70	241.18	16.80	564,961.89	611,409.70
5,072.00	2.10	21.00	5,063.08	-71.17	233.97	71.04	244.51	16.89	564,964.97	611,411.04
5,165.00	2.00	16.80	5,156.02	-72.25	237.11	72.12	247.84	16.92	564,968.11	611,412.12
5,259.00	2.00	13.30	5,249.96	-73.10	240.28	72.97	251.11	16.89	564,971.28	611,412.97
5,352.00	1.80	10.20	5,342.91	-73.73	243.29	73.61	254.18	16.83	564,974.29	611,413.61
5,446.00	2.00	4.80	5,436.86	-74.13	246.38	74.00	257.26	16.72	564,977.38	611,414.00
5,539.00	2.10	359.10	5,529.80	-74.24	249.70	74.11	260.47	16.53	564,980.70	611,414.11
5,633.00	1.50	350.80	5,623.76	-74.02	252.64	73.89	263.22	16.30	564,983.64	611,413.89
5,726.00	1.50	135.10	5,716.74	-74.69	252.98	74.55	263.74	16.42	564,983.98	611,414.55
5,819.00	1.00	141.90	5,809.72	-76.05	251.48	75.91	262.69	16.80	564,982.48	611,415.91
5,912.00	1.00	148.10	5,902.71	-76.98	250.15	76.84	261.69	17.08	564,981.15	611,416.84
6,006.00	1.00	131.50	5,996.69	-78.02	248.91	77.89	260.81	17.38	564,979.91	611,417.89
6,100.00	0.50	159.00	6,090.68	-78.78	247.98	78.65	260.16	17.60	564,978.98	611,418.65
6,193.00	0.30	203.90	6,183.68	-78.83	247.38	78.70	259.60	17.65	564,978.38	611,418.70
6,286.00	0.30	168.60	6,276.68	-78.78	246.92	78.65	259.14	17.67	564,977.92	611,418.65
6,379.00	0.20	92.50	6,369.68	-78.99	246.67	78.86	258.97	17.73	564,977.67	611,418.86
6,472.00	0.30	36.60	6,462.68	-79.30	246.86	79.17	259.25	17.78	564,977.86	611,419.17
6,566.00	0.30	48.50	6,556.68	-79.63	247.22	79.50	259.69	17.83	564,978.22	611,419.50
6,659.00	0.30	35.70	6,649.68	-79.95	247.58	79.82	260.13	17.87	564,978.58	611,419.82
6,752.00	0.10	123.60	6,742.68	-80.16	247.74	80.03	260.34	17.90	564,978.74	611,420.03
6,846.00	0.60	177.20	6,836.67	-80.25	247.20	80.12	259.86	17.96	564,978.20	611,420.12



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3270.50usft
Site:	Stebbins Fed 19	MD Reference:	Well @ 3270.50usft
Well:	No. 204H	North Reference:	Grid
Wellbore Design:	OH	Survey Calculation Method:	Minimum Curvature
	MWD	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
6,940.00	0.60	186.70	6,930.67	-80.22	246.22	80.09	258.92	18.02	564,977.22	611,420.09	
7,033.00	0.80	179.70	7,023.66	-80.17	245.09	80.04	257.82	18.09	564,976.09	611,420.04	
7,127.00	1.20	200.40	7,117.65	-79.83	243.51	79.70	256.22	18.12	564,974.51	611,419.70	
7,220.00	1.00	191.10	7,210.63	-79.33	241.80	79.20	254.44	18.14	564,972.80	611,419.20	
7,313.00	0.50	154.80	7,303.62	-79.35	240.63	79.22	253.34	18.22	564,971.63	611,419.22	
7,407.00	0.80	146.70	7,397.62	-79.88	239.71	79.75	252.63	18.40	564,970.71	611,419.75	
7,500.00	1.00	154.70	7,490.61	-80.58	238.44	80.46	251.65	18.65	564,969.44	611,420.46	
7,594.00	1.60	155.10	7,584.58	-81.48	236.51	81.36	250.11	18.98	564,967.51	611,421.36	
7,687.00	1.70	148.90	7,677.54	-82.74	234.15	82.62	248.30	19.44	564,965.15	611,422.62	
7,780.00	1.80	146.70	7,770.50	-84.26	231.75	84.13	246.54	19.95	564,962.75	611,424.13	
7,873.00	1.90	150.80	7,863.45	-85.81	229.18	85.69	244.67	20.50	564,960.18	611,425.69	
7,966.00	1.50	233.90	7,956.42	-85.58	227.12	85.46	242.66	20.62	564,958.12	611,425.46	
8,059.00	1.40	212.40	8,049.39	-83.98	225.44	83.86	240.53	20.41	564,956.44	611,423.86	
8,153.00	0.70	161.20	8,143.38	-83.55	223.93	83.43	238.96	20.44	564,954.93	611,423.43	
8,246.00	1.40	346.20	8,236.37	-83.46	224.49	83.35	239.46	20.37	564,955.49	611,423.35	
8,340.00	2.10	313.60	8,330.33	-81.94	226.79	81.83	241.10	19.84	564,957.79	611,421.83	
8,433.00	1.90	303.70	8,423.27	-79.43	228.82	79.31	242.18	19.12	564,959.82	611,419.31	
8,526.00	2.30	292.40	8,516.21	-76.42	230.39	76.30	242.70	18.32	564,961.39	611,416.30	
8,620.00	1.90	274.90	8,610.15	-73.13	231.24	73.00	242.49	17.52	564,962.24	611,413.00	
8,713.00	1.70	274.60	8,703.10	-70.21	231.49	70.09	241.86	16.85	564,962.49	611,410.09	
8,753.00	1.80	281.50	8,743.08	-69.01	231.66	68.89	241.68	16.56	564,962.66	611,408.89	
8,847.00	5.80	260.00	8,836.86	-62.88	231.13	62.76	239.50	15.19	564,962.13	611,402.76	
8,940.00	17.40	259.70	8,927.81	-44.51	227.81	44.39	232.10	11.03	564,958.81	611,384.39	
9,034.00	30.10	263.20	9,013.67	-7.12	222.49	7.00	222.60	1.80	564,953.49	611,347.00	
9,127.00	41.60	261.10	9,088.93	46.73	214.92	-46.84	219.97	347.71	564,945.92	611,293.16	
9,221.00	51.00	258.00	9,153.81	113.45	202.47	-113.56	232.14	330.71	564,933.47	611,226.44	
9,314.00	56.20	255.00	9,208.99	186.19	184.94	-186.29	262.50	314.79	564,915.94	611,153.71	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Stebbins Fed-19
Well: No. 204H
Wellbore: OH
Design: MWD

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:
Well No. 204H
Well @ 3270.50usft
Well @ 3270.50usft
Grid
Minimum Curvature
WellPlanner1

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
9,407.00	64.30	257.10	9,255.10	264.51	165.56	-264.59	312.12	302.03	564,896.56	611,075.41
9,501.00	74.20	263.00	9,288.39	350.96	150.54	-351.04	381.96	293.21	564,881.54	610,988.96
9,595.00	79.60	270.90	9,309.72	442.28	145.74	-442.36	465.75	288.24	564,876.74	610,897.64
9,688.00	83.70	272.40	9,323.22	534.23	148.40	-534.31	554.54	285.52	564,879.40	610,805.69
9,781.00	90.30	273.20	9,328.09	626.94	152.94	-627.02	645.40	283.71	564,883.94	610,712.98
9,875.00	91.40	273.20	9,326.69	720.78	158.18	-720.86	738.01	282.38	564,889.18	610,619.14
9,969.00	89.40	273.40	9,326.03	814.61	163.59	-814.70	830.96	281.35	564,894.59	610,525.30
10,062.00	89.00	272.90	9,327.33	907.46	168.70	-907.55	923.10	280.53	564,899.70	610,432.45
10,155.00	89.40	273.20	9,328.63	1,000.32	173.65	-1,000.41	1,015.37	279.85	564,904.65	610,339.59
10,249.00	89.00	273.30	9,329.94	1,094.15	178.98	-1,094.25	1,108.79	279.29	564,909.98	610,245.75
10,343.00	91.30	274.10	9,329.70	1,187.95	185.04	-1,188.04	1,202.37	278.85	564,916.04	610,151.96
10,436.00	93.30	273.80	9,325.97	1,280.64	191.45	-1,280.74	1,294.97	278.50	564,922.45	610,059.26
10,530.00	94.50	274.20	9,319.57	1,374.19	197.99	-1,374.30	1,388.48	278.20	564,928.99	609,965.70
10,623.00	94.20	273.30	9,312.52	1,466.72	204.05	-1,466.83	1,480.95	277.92	564,935.05	609,873.17
10,716.00	94.00	272.60	9,305.87	1,559.36	208.83	-1,559.47	1,573.39	277.63	564,939.83	609,780.53
10,810.00	91.90	272.30	9,301.03	1,653.14	212.84	-1,653.25	1,666.89	277.34	564,943.84	609,686.75
10,903.00	90.70	271.50	9,298.92	1,746.06	215.92	-1,746.17	1,759.47	277.05	564,946.92	609,593.83
11,002.00	88.20	268.80	9,299.87	1,845.04	216.18	-1,845.15	1,857.77	276.68	564,947.18	609,494.85
11,096.00	88.90	269.40	9,302.25	1,939.00	214.70	-1,939.11	1,950.96	276.32	564,945.70	609,400.89
11,189.00	90.70	270.20	9,302.58	2,031.99	214.38	-2,032.10	2,043.38	276.02	564,945.38	609,307.90
11,283.00	91.40	270.00	9,300.85	2,125.97	214.54	-2,126.09	2,136.88	275.76	564,945.54	609,213.91
11,376.00	90.80	268.90	9,299.07	2,218.95	213.65	-2,219.06	2,229.32	275.50	564,944.65	609,120.94
11,469.00	91.20	268.90	9,297.44	2,311.92	211.87	-2,312.03	2,321.72	275.24	564,942.87	609,027.97
11,562.00	86.90	268.60	9,298.99	2,404.86	209.84	-2,404.97	2,414.11	274.99	564,940.84	608,935.03
11,656.00	86.40	268.30	9,304.48	2,498.67	207.30	-2,498.78	2,507.36	274.74	564,938.30	608,841.22
11,749.00	86.90	268.20	9,309.91	2,591.47	204.46	-2,591.58	2,599.63	274.51	564,935.46	608,748.42
11,842.00	87.50	268.00	9,314.46	2,684.31	201.38	-2,684.41	2,691.96	274.29	564,932.38	608,655.59



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3270.50usft
Site:	Stebbins Fed 19	MD Reference:	Well @ 3270.50usft
Well:	No. 204H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
11,936.00	88.80	268.30	9,317.49	2,778.21	198.35	-2,778.31	2,785.39	274.08	564,929.35	608,561.69
12,029.00	89.50	268.30	9,318.87	2,871.16	195.59	-2,871.26	2,877.92	273.90	564,926.59	608,468.74
12,123.00	91.70	268.30	9,317.89	2,965.11	192.81	-2,965.21	2,971.47	273.72	564,923.81	608,374.79
12,216.00	92.80	267.90	9,314.24	3,057.99	189.72	-3,058.09	3,063.96	273.55	564,920.72	608,281.91
12,310.00	92.50	268.00	9,309.89	3,151.83	186.37	-3,151.92	3,157.43	273.38	564,917.37	608,188.08
12,403.00	92.80	268.10	9,305.59	3,244.67	183.20	-3,244.77	3,249.94	273.23	564,914.20	608,095.23
12,496.00	91.30	268.20	9,302.26	3,337.57	180.20	-3,337.66	3,342.52	273.09	564,911.20	608,002.34
12,590.00	92.20	270.00	9,299.39	3,431.51	178.73	-3,431.60	3,436.25	272.98	564,909.73	607,908.40
12,683.00	92.30	270.10	9,295.74	3,524.43	178.81	-3,524.53	3,529.06	272.90	564,909.81	607,815.47
12,777.00	91.30	269.30	9,292.79	3,618.38	178.32	-3,618.48	3,622.87	272.82	564,909.32	607,721.52
12,870.00	93.10	269.80	9,289.22	3,711.31	177.59	-3,711.40	3,715.65	272.74	564,908.59	607,628.60
12,963.00	89.40	268.10	9,287.19	3,804.25	175.88	-3,804.35	3,808.41	272.65	564,906.88	607,535.65
13,056.00	93.10	270.10	9,285.16	3,897.20	174.42	-3,897.29	3,901.19	272.56	564,905.42	607,442.71
13,149.00	93.60	270.50	9,279.73	3,990.04	174.91	-3,990.13	3,993.96	272.51	564,905.91	607,349.87
13,242.00	92.70	270.50	9,274.62	4,082.89	175.72	-4,082.99	4,086.77	272.46	564,906.72	607,257.01
13,336.00	93.30	270.60	9,269.70	4,176.76	176.62	-4,176.85	4,180.58	272.42	564,907.62	607,163.15
13,430.00	95.10	271.40	9,262.81	4,270.49	178.25	-4,270.58	4,274.30	272.39	564,909.25	607,069.42
13,523.00	93.40	272.00	9,255.92	4,363.19	181.01	-4,363.28	4,367.03	272.38	564,912.01	606,976.72
13,616.00	94.10	272.30	9,249.84	4,455.92	184.49	-4,456.02	4,459.83	272.37	564,915.49	606,883.98
13,710.00	92.10	272.70	9,244.75	4,549.68	188.58	-4,549.78	4,553.69	272.37	564,919.58	606,790.22
13,803.00	91.30	273.00	9,242.00	4,642.52	193.20	-4,642.63	4,646.65	272.38	564,924.20	606,697.37
13,891.00	93.80	274.20	9,238.08	4,730.25	198.72	-4,730.36	4,734.53	272.41	564,929.72	606,609.64
13,984.00	94.70	274.30	9,231.19	4,822.74	205.59	-4,822.85	4,827.23	272.44	564,936.59	606,517.15
14,077.00	95.60	274.10	9,222.84	4,915.11	212.38	-4,915.22	4,919.81	272.47	564,943.38	606,424.78
Last Survey: 14077' MD										
14,160.00	95.60	274.10	9,214.74	4,997.50	218.28	-4,997.61	5,002.38	272.50	564,949.28	606,342.39
PTB: 14160' MD										



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3270.50usft
Site:	Stebbins Fed 19	MD Reference:	Well @ 3270.50usft
Well:	No. 204H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD	Database:	WellPlanner1

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,242.00	1,241.42	10.21	29.02	Pro MWD First Survey: 1242' MD
14,077.00	9,222.84	212.38	-4,915.22	Last Survey: 14077' MD
14,160.00	9,214.74	218.28	-4,997.61	PTB: 14160' MD