

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**Carlsbad Field Office**
OCD ArtesiaFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease No. C-16
NMMN121941

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
CHARLIE SWEENEY FED COM 204H9. API Well No.
30-015-44024-00-X110. Field and Pool or Exploratory Area
WILDCAT11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

MATADOR PRODUCTION COMPANY

Contact: TAMMY R LINK

Mail: tlink@matadorresources.com

3a. Address

ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE 1500
DALLAS, TX 75240

3b. Phone No. (include area code)

500 575-627-2465

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 31 T23S R28E SESE 188FSL 635FEL
32.254753 N Lat, 104.120300 W Lon**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☒ Deepen☐ Hydraulic Fracturing☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BLM BOND No. NMB001079

Surety Bond No. RLB0015172

Matador request approval to move the lateral and bottom hole location of the Charlie Sweeney Fed Com #204H 300 feet west and 90 feet deeper than the current approved location. Matador request approval of this change to maximize well spacing.

Attached is an updated plat with the proposed changes and an updated directional plan.

Estimated Spud Date: 9/20/2017

Please contact Cassie Hahn by phone at 972-371-5440 or by e-mail at chahn@matadorresources.com should you have any questions or concerns.

- All previous COAs still apply. Additional COA is not required.

PC 8-8-17
Accepted for record - NMOCD**NM OIL CONSERVATION**
ARTESIA DISTRICT

AUG 07 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #383431 verified by the BLM Well Information System

For MATADOR PRODUCTION COMPANY, sent to the Carlsbad

Committed to AFMSS for processing by MUSTAFA HAQUE on 08/03/2017 (17MH0047SE)

Name (Printed/Typed) TAMMY R LINK

Title PRODUCTION ANALYST

Signature

(Electronic Submission)

Date 08/01/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By MUSTAFA HAQUE

Title PETROLEUM ENGINEER

Date 08/03/2017

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

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 30-015-44024	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 316766	⁵ Property Name CHARLIE SWEENEY FED COM	⁶ Well Number #204H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3101'

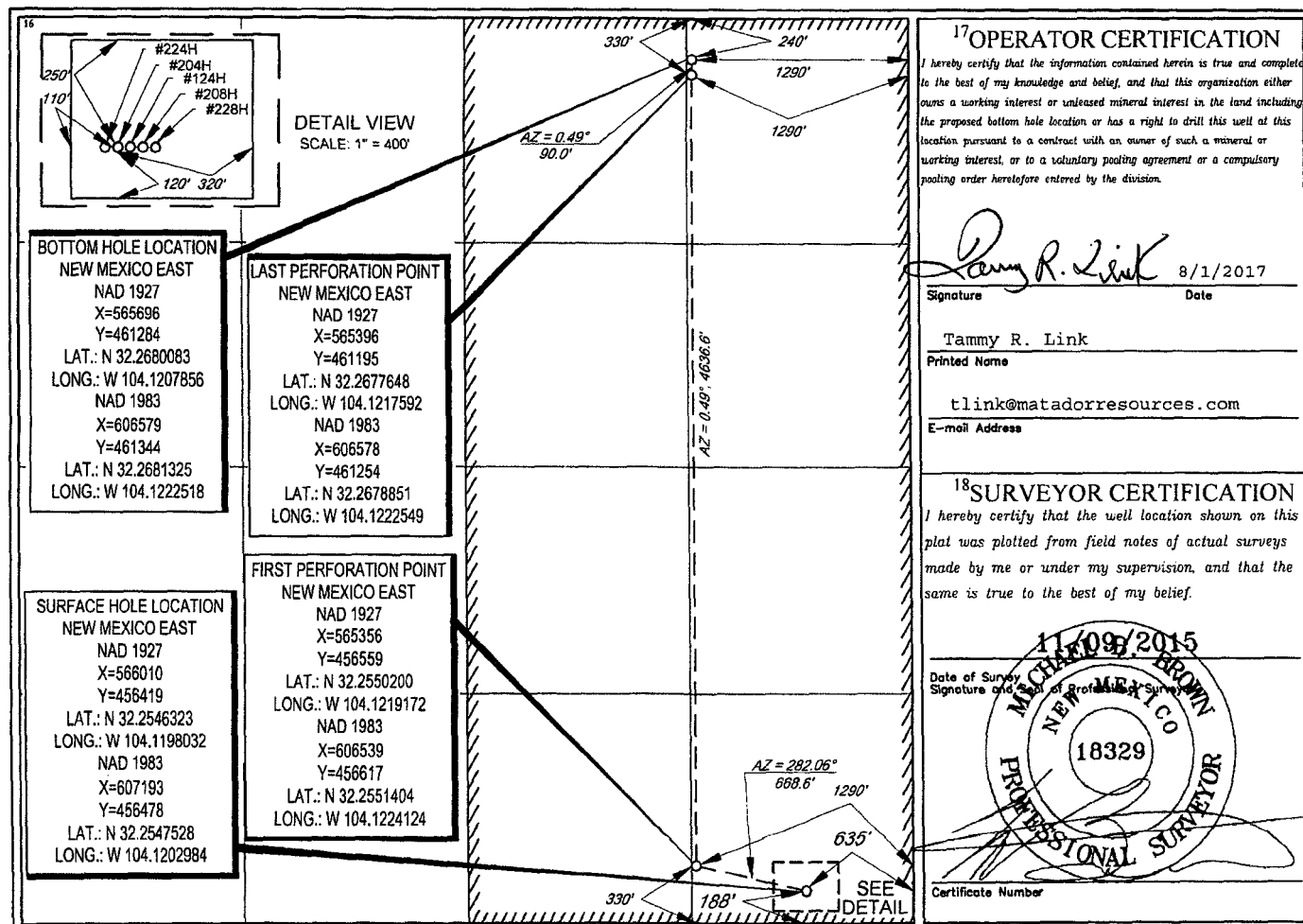
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	31	23-S	28-E	-	188'	SOUTH	635'	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	31	23-S	28-E	-	240'	NORTH	1290'	EAST	EDDY

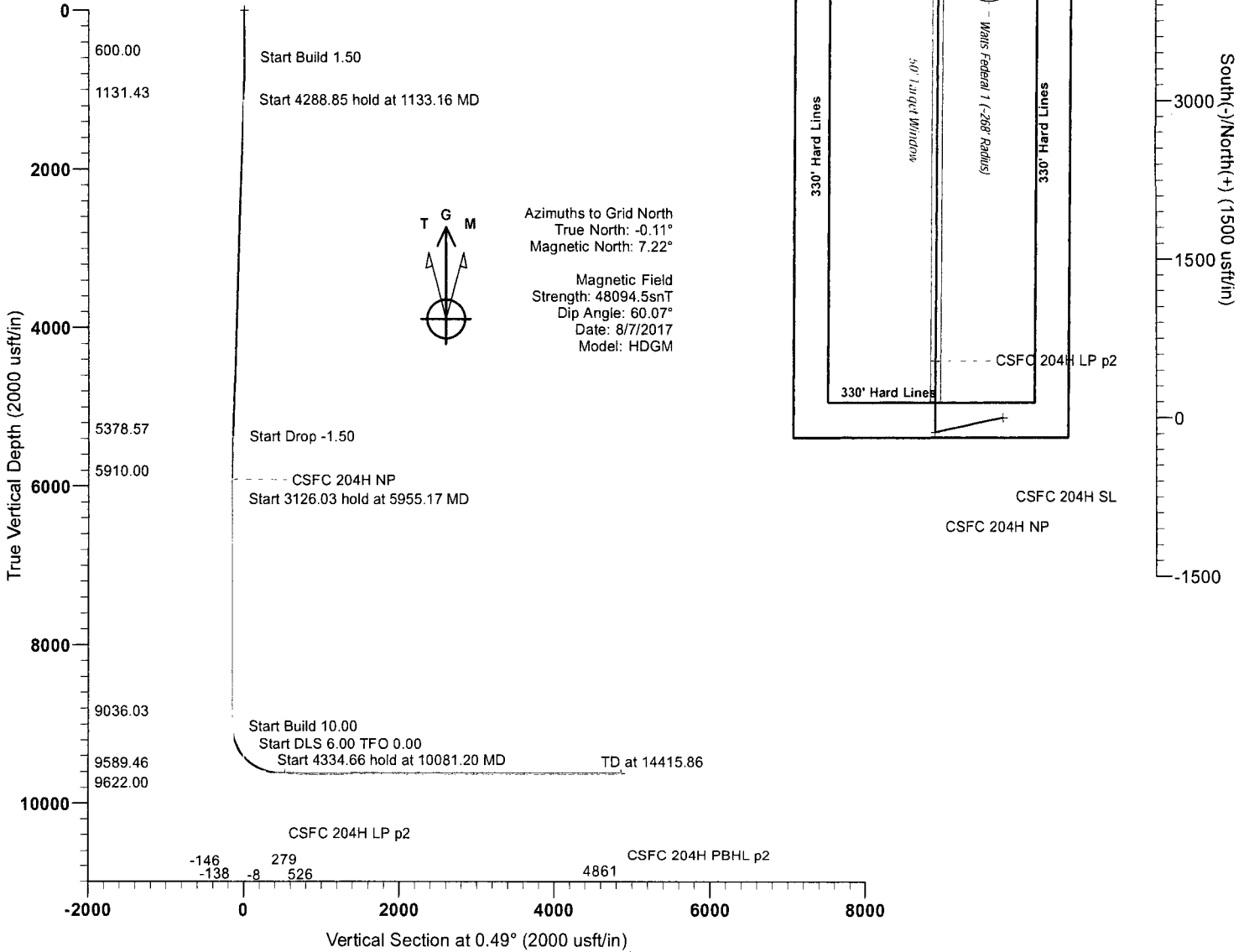
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



MATADOR RESOURCES

Project: Eddy County, New Mexico
 Site: Charlie Sweeney Fed Com #204H, #208H, #228H
 Well: #204H
 Wellbore: Lateral
 Design: Plan #2



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
CSFC 204H SL	0.00	0.00	0.00	456418.98	566009.69	Point
Watts Federal 1 (~268' Radius)	0.00	4194.83	-129.15	460613.81	565880.54	Circle (Radius: 268.00)
CSFC 204H NP	5910.00	-140.27	-656.18	456278.71	565353.51	Point
CSFC 204H LP p2	9622.00	531.53	-650.43	456950.51	565359.26	Point
CSFC 204H PBHL p2	9622.00	4866.03	-613.31	461285.01	565396.37	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1133.16	8.00	257.93	1131.43	-7.77	-36.33	1.50	257.93	-8.08	
5422.01	8.00	257.93	5378.57	-132.50	-619.85	0.00	0.00	-137.80	
5955.17	0.00	0.00	5910.00	-140.27	-656.18	1.50	180.00	-145.87	CSFC 204H NP
9081.20	0.00	0.00	9036.03	-140.27	-656.18	0.00	0.00	-145.87	
9831.20	75.00	0.49	9589.46	284.38	-652.54	10.00	0.49	278.79	
10081.20	90.00	0.49	9622.00	531.53	-650.43	6.00	0.00	525.95	
14415.86	90.00	0.49	9622.00	4866.03	-613.31	0.00	0.00	4860.61	CSFC 204H PBHL p2

Plan: Plan #2 (#204H/Lateral)

Created By: Ashley Wischnewsky
 Date: 12:19, August 01 2017

PREMIER DIRECTIONAL DRILLING
 363 N Sam Houston Pwky E, Ste 300 Houston, TX 77060
 Phone: 281-673-4000



Premier Directional Drilling

Planning Report

Database:	EDM 5000.1.13 Multi-User	Local Co-ordinate Reference:	Well #204H - Slot 204H
Company:	MATADOR RESOURCES	TVD Reference:	3101+28.5 @ 3129.50usft (Patterson282)
Project:	Eddy County, New Mexico	MD Reference:	3101+28.5 @ 3129.50usft (Patterson282)
Site:	Charlie Sweeney Fed Com #204H, #208H, #228H	North Reference:	Grid
Well:	#204H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #2		

Project	Eddy County, New Mexico		
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 Fed Com #204H, #208H, #228H, centered on 208			
Site Position:		Northing:	456,419.03 usft	Latitude:	32° 15' 16.68 N
From:	Map	Easting:	566,069.74 usft	Longitude:	104° 7' 10.59 W
Position Uncertainty:	0.00 usft	Slot Radius:	13,200 in	Grid Convergence:	0.11 °

Well	#204H - Slot 204H					
Well Position	+N/-S	-0.05 usft	Northing:	456,418.98 usft	Latitude:	32° 15' 16.68 N
	+E/-W	-60.05 usft	Easting:	566,009.69 usft	Longitude:	104° 7' 11.29 W
Position Uncertainty	0.00 usft		Wellhead Elevation:	0.00 usft	Ground Level:	3,101.00 usft

Wellbore	Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/7/2017	7.33	60.07	48,095

Design	Plan #2				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.49	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,133.16	8.00	257.93	1,131.43	-7.77	-36.33	1.50	1.50	0.00	257.93	
5,422.01	8.00	257.93	5,378.57	-132.50	-619.85	0.00	0.00	0.00	0.00	
5,955.17	0.00	0.00	5,910.00	-140.27	-656.18	1.50	-1.50	0.00	180.00	CSFC 204H NP
9,081.20	0.00	0.00	9,036.03	-140.27	-656.18	0.00	0.00	0.00	0.00	
9,831.20	75.00	0.49	9,589.46	284.38	-652.54	10.00	10.00	0.00	0.49	
10,081.20	90.00	0.49	9,622.00	531.53	-650.43	6.00	6.00	0.00	0.00	
14,415.86	90.00	0.49	9,622.00	4,866.03	-613.31	0.00	0.00	0.00	0.00	CSFC 204H PBHL p2

Premier Directional Drilling

Planning Report

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 Company: MATADOR RESOURCES
 Project: Eddy County, New Mexico
 Site: Charlie Sweeney Fed Com #204H, #208H, #228H
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Local Co-ordinate Reference: Well #204H - Slot 204H
 TVD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
 MD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
 North Reference: Grid

Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	257.93	699.99	-0.27	-1.28	-0.28	1.50	1.50	0.00
800.00	3.00	257.93	799.91	-1.09	-5.12	-1.14	1.50	1.50	0.00
900.00	4.50	257.93	899.69	-2.46	-11.51	-2.56	1.50	1.50	0.00
1,000.00	6.00	257.93	999.27	-4.37	-20.46	-4.55	1.50	1.50	0.00
1,100.00	7.50	257.93	1,098.57	-6.83	-31.96	-7.10	1.50	1.50	0.00
1,133.16	8.00	257.93	1,131.43	-7.77	-36.33	-8.08	1.50	1.50	0.00
1,200.00	8.00	257.93	1,197.62	-9.71	-45.42	-10.10	0.00	0.00	0.00
1,300.00	8.00	257.93	1,296.65	-12.62	-59.03	-13.12	0.00	0.00	0.00
1,400.00	8.00	257.93	1,395.68	-15.53	-72.63	-16.15	0.00	0.00	0.00
1,500.00	8.00	257.93	1,494.70	-18.43	-86.24	-19.17	0.00	0.00	0.00
1,600.00	8.00	257.93	1,593.73	-21.34	-99.84	-22.20	0.00	0.00	0.00
1,700.00	8.00	257.93	1,692.76	-24.25	-113.45	-25.22	0.00	0.00	0.00
1,800.00	8.00	257.93	1,791.79	-27.16	-127.06	-28.25	0.00	0.00	0.00
1,900.00	8.00	257.93	1,890.81	-30.07	-140.66	-31.27	0.00	0.00	0.00
2,000.00	8.00	257.93	1,989.84	-32.98	-154.27	-34.29	0.00	0.00	0.00
2,100.00	8.00	257.93	2,088.87	-35.88	-167.87	-37.32	0.00	0.00	0.00
2,200.00	8.00	257.93	2,187.89	-38.79	-181.48	-40.34	0.00	0.00	0.00
2,300.00	8.00	257.93	2,286.92	-41.70	-195.08	-43.37	0.00	0.00	0.00
2,400.00	8.00	257.93	2,385.95	-44.61	-208.69	-46.39	0.00	0.00	0.00
2,500.00	8.00	257.93	2,484.98	-47.52	-222.29	-49.42	0.00	0.00	0.00
2,600.00	8.00	257.93	2,584.00	-50.43	-235.90	-52.44	0.00	0.00	0.00
2,700.00	8.00	257.93	2,683.03	-53.34	-249.50	-55.47	0.00	0.00	0.00
2,800.00	8.00	257.93	2,782.06	-56.24	-263.11	-58.49	0.00	0.00	0.00
2,900.00	8.00	257.93	2,881.09	-59.15	-276.72	-61.52	0.00	0.00	0.00
3,000.00	8.00	257.93	2,980.11	-62.06	-290.32	-64.54	0.00	0.00	0.00
3,100.00	8.00	257.93	3,079.14	-64.97	-303.93	-67.57	0.00	0.00	0.00
3,200.00	8.00	257.93	3,178.17	-67.88	-317.53	-70.59	0.00	0.00	0.00
3,300.00	8.00	257.93	3,277.20	-70.79	-331.14	-73.61	0.00	0.00	0.00
3,400.00	8.00	257.93	3,376.22	-73.69	-344.74	-76.64	0.00	0.00	0.00
3,500.00	8.00	257.93	3,475.25	-76.60	-358.35	-79.66	0.00	0.00	0.00
3,600.00	8.00	257.93	3,574.28	-79.51	-371.95	-82.69	0.00	0.00	0.00
3,700.00	8.00	257.93	3,673.31	-82.42	-385.56	-85.71	0.00	0.00	0.00
3,800.00	8.00	257.93	3,772.33	-85.33	-399.16	-88.74	0.00	0.00	0.00
3,900.00	8.00	257.93	3,871.36	-88.24	-412.77	-91.76	0.00	0.00	0.00
4,000.00	8.00	257.93	3,970.39	-91.14	-426.38	-94.79	0.00	0.00	0.00
4,100.00	8.00	257.93	4,069.42	-94.05	-439.98	-97.81	0.00	0.00	0.00
4,200.00	8.00	257.93	4,168.44	-96.96	-453.59	-100.84	0.00	0.00	0.00
4,300.00	8.00	257.93	4,267.47	-99.87	-467.19	-103.86	0.00	0.00	0.00
4,400.00	8.00	257.93	4,366.50	-102.78	-480.80	-106.89	0.00	0.00	0.00
4,500.00	8.00	257.93	4,465.53	-105.69	-494.40	-109.91	0.00	0.00	0.00
4,600.00	8.00	257.93	4,564.55	-108.59	-508.01	-112.93	0.00	0.00	0.00
4,700.00	8.00	257.93	4,663.58	-111.50	-521.61	-115.96	0.00	0.00	0.00
4,800.00	8.00	257.93	4,762.61	-114.41	-535.22	-118.98	0.00	0.00	0.00
4,900.00	8.00	257.93	4,861.64	-117.32	-548.82	-122.01	0.00	0.00	0.00
5,000.00	8.00	257.93	4,960.66	-120.23	-562.43	-125.03	0.00	0.00	0.00
5,100.00	8.00	257.93	5,059.69	-123.14	-576.04	-128.06	0.00	0.00	0.00

Premier Directional Drilling

Planning Report

Database: EDM 5000.1.13 Multi-User
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 #228H
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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.00	8.00	257.93	5,158.72	-126.04	-589.64	-131.08	0.00	0.00	0.00
5,300.00	8.00	257.93	5,257.75	-128.95	-603.25	-134.11	0.00	0.00	0.00
5,400.00	8.00	257.93	5,356.77	-131.86	-616.85	-137.13	0.00	0.00	0.00
5,422.01	8.00	257.93	5,378.57	-132.50	-619.85	-137.80	0.00	0.00	0.00
5,500.00	6.83	257.93	5,455.91	-134.60	-629.69	-139.98	1.50	-1.50	0.00
5,600.00	5.33	257.93	5,555.34	-136.82	-640.04	-142.29	1.50	-1.50	0.00
5,700.00	3.83	257.93	5,655.02	-138.49	-647.84	-144.02	1.50	-1.50	0.00
5,800.00	2.33	257.93	5,754.87	-139.61	-653.09	-145.19	1.50	-1.50	0.00
5,900.00	0.83	257.93	5,854.83	-140.18	-655.79	-145.79	1.50	-1.50	0.00
5,955.17	0.00	0.00	5,910.00	-140.27	-656.18	-145.87	1.50	-1.50	0.00
6,000.00	0.00	0.00	5,954.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
6,100.00	0.00	0.00	6,054.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
6,200.00	0.00	0.00	6,154.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
6,300.00	0.00	0.00	6,254.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
6,400.00	0.00	0.00	6,354.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
6,500.00	0.00	0.00	6,454.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
6,600.00	0.00	0.00	6,554.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
6,700.00	0.00	0.00	6,654.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
6,800.00	0.00	0.00	6,754.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
6,900.00	0.00	0.00	6,854.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
7,000.00	0.00	0.00	6,954.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
7,100.00	0.00	0.00	7,054.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
7,200.00	0.00	0.00	7,154.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
7,300.00	0.00	0.00	7,254.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
7,400.00	0.00	0.00	7,354.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
7,500.00	0.00	0.00	7,454.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
7,600.00	0.00	0.00	7,554.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
7,700.00	0.00	0.00	7,654.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
7,800.00	0.00	0.00	7,754.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
7,900.00	0.00	0.00	7,854.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
8,000.00	0.00	0.00	7,954.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
8,100.00	0.00	0.00	8,054.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
8,200.00	0.00	0.00	8,154.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
8,300.00	0.00	0.00	8,254.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
8,400.00	0.00	0.00	8,354.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
8,500.00	0.00	0.00	8,454.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
8,600.00	0.00	0.00	8,554.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
8,700.00	0.00	0.00	8,654.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
8,800.00	0.00	0.00	8,754.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
8,900.00	0.00	0.00	8,854.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
9,000.00	0.00	0.00	8,954.83	-140.27	-656.18	-145.87	0.00	0.00	0.00
9,081.20	0.00	0.00	9,036.03	-140.27	-656.18	-145.87	0.00	0.00	0.00
9,100.00	1.88	0.49	9,054.83	-139.96	-656.17	-145.56	10.00	10.00	0.00
9,150.00	6.88	0.49	9,104.66	-136.14	-656.14	-141.75	10.00	10.00	0.00
9,200.00	11.88	0.49	9,153.98	-128.00	-656.07	-133.60	10.00	10.00	0.00
9,250.00	16.88	0.49	9,202.40	-115.58	-655.96	-121.19	10.00	10.00	0.00
9,300.00	21.88	0.49	9,249.55	-99.00	-655.82	-104.60	10.00	10.00	0.00
9,350.00	26.88	0.49	9,295.08	-78.36	-655.65	-83.97	10.00	10.00	0.00
9,400.00	31.88	0.49	9,338.63	-53.84	-655.44	-59.45	10.00	10.00	0.00
9,450.00	36.88	0.49	9,379.88	-25.62	-655.19	-31.22	10.00	10.00	0.00
9,500.00	41.88	0.49	9,418.52	6.09	-654.92	0.49	10.00	10.00	0.00
9,550.00	46.88	0.49	9,454.24	41.05	-654.62	35.45	10.00	10.00	0.00
9,600.00	51.88	0.49	9,486.79	78.99	-654.30	73.39	10.00	10.00	0.00

Premier Directional Drilling

Planning Report

Database: EDM 5000.1.13 Multi-User
 Company: MATADOR RESOURCES
 Project: Eddy County, New Mexico
 Site: Charlie Sweeney Fed Com #204H, #208H, #228H
 Well: #204H
 Wellbore: Lateral
 Design: Plan #2

Local Co-ordinate Reference: Well #204H - Slot 204H
 TVD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
 MD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,650.00	56.88	0.49	9,515.90	119.62	-653.95	114.02	10.00	10.00	0.00
9,700.00	61.88	0.49	9,541.36	162.63	-653.58	157.04	10.00	10.00	0.00
9,750.00	66.88	0.49	9,562.97	207.70	-653.20	202.11	10.00	10.00	0.00
9,800.00	71.88	0.49	9,580.57	254.48	-652.80	248.89	10.00	10.00	0.00
9,831.20	75.00	0.49	9,589.46	284.38	-652.54	278.79	10.00	10.00	0.00
9,850.00	76.13	0.49	9,594.15	302.59	-652.39	297.00	6.00	6.00	0.00
9,900.00	79.13	0.49	9,604.86	351.42	-651.97	345.83	6.00	6.00	0.00
9,950.00	82.13	0.49	9,613.00	400.74	-651.55	395.16	6.00	6.00	0.00
10,000.00	85.13	0.49	9,618.55	450.43	-651.12	444.84	6.00	6.00	0.00
10,050.00	88.13	0.49	9,621.49	500.33	-650.70	494.75	6.00	6.00	0.00
10,081.20	90.00	0.49	9,622.00	531.53	-650.43	525.95	6.00	6.00	0.00
10,100.00	90.00	0.49	9,622.00	550.33	-650.27	544.75	0.00	0.00	0.00
10,200.00	90.00	0.49	9,622.00	650.32	-649.41	644.75	0.00	0.00	0.00
10,300.00	90.00	0.49	9,622.00	750.32	-648.56	744.75	0.00	0.00	0.00
10,400.00	90.00	0.49	9,622.00	850.32	-647.70	844.75	0.00	0.00	0.00
10,500.00	90.00	0.49	9,622.00	950.31	-646.84	944.75	0.00	0.00	0.00
10,600.00	90.00	0.49	9,622.00	1,050.31	-645.99	1,044.75	0.00	0.00	0.00
10,700.00	90.00	0.49	9,622.00	1,150.31	-645.13	1,144.75	0.00	0.00	0.00
10,800.00	90.00	0.49	9,622.00	1,250.30	-644.27	1,244.75	0.00	0.00	0.00
10,900.00	90.00	0.49	9,622.00	1,350.30	-643.42	1,344.75	0.00	0.00	0.00
11,000.00	90.00	0.49	9,622.00	1,450.29	-642.56	1,444.75	0.00	0.00	0.00
11,100.00	90.00	0.49	9,622.00	1,550.29	-641.70	1,544.75	0.00	0.00	0.00
11,200.00	90.00	0.49	9,622.00	1,650.29	-640.85	1,644.75	0.00	0.00	0.00
11,300.00	90.00	0.49	9,622.00	1,750.28	-639.99	1,744.75	0.00	0.00	0.00
11,400.00	90.00	0.49	9,622.00	1,850.28	-639.14	1,844.75	0.00	0.00	0.00
11,500.00	90.00	0.49	9,622.00	1,950.28	-638.28	1,944.75	0.00	0.00	0.00
11,600.00	90.00	0.49	9,622.00	2,050.27	-637.42	2,044.75	0.00	0.00	0.00
11,700.00	90.00	0.49	9,622.00	2,150.27	-636.57	2,144.75	0.00	0.00	0.00
11,800.00	90.00	0.49	9,622.00	2,250.26	-635.71	2,244.75	0.00	0.00	0.00
11,900.00	90.00	0.49	9,622.00	2,350.26	-634.85	2,344.75	0.00	0.00	0.00
12,000.00	90.00	0.49	9,622.00	2,450.26	-634.00	2,444.75	0.00	0.00	0.00
12,100.00	90.00	0.49	9,622.00	2,550.25	-633.14	2,544.75	0.00	0.00	0.00
12,200.00	90.00	0.49	9,622.00	2,650.25	-632.29	2,644.75	0.00	0.00	0.00
12,300.00	90.00	0.49	9,622.00	2,750.25	-631.43	2,744.75	0.00	0.00	0.00
12,400.00	90.00	0.49	9,622.00	2,850.24	-630.57	2,844.75	0.00	0.00	0.00
12,500.00	90.00	0.49	9,622.00	2,950.24	-629.72	2,944.75	0.00	0.00	0.00
12,600.00	90.00	0.49	9,622.00	3,050.24	-628.86	3,044.75	0.00	0.00	0.00
12,700.00	90.00	0.49	9,622.00	3,150.23	-628.00	3,144.75	0.00	0.00	0.00
12,800.00	90.00	0.49	9,622.00	3,250.23	-627.15	3,244.75	0.00	0.00	0.00
12,900.00	90.00	0.49	9,622.00	3,350.22	-626.29	3,344.75	0.00	0.00	0.00
13,000.00	90.00	0.49	9,622.00	3,450.22	-625.44	3,444.75	0.00	0.00	0.00
13,100.00	90.00	0.49	9,622.00	3,550.22	-624.58	3,544.75	0.00	0.00	0.00
13,200.00	90.00	0.49	9,622.00	3,650.21	-623.72	3,644.75	0.00	0.00	0.00
13,300.00	90.00	0.49	9,622.00	3,750.21	-622.87	3,744.75	0.00	0.00	0.00
13,400.00	90.00	0.49	9,622.00	3,850.21	-622.01	3,844.75	0.00	0.00	0.00
13,500.00	90.00	0.49	9,622.00	3,950.20	-621.15	3,944.75	0.00	0.00	0.00
13,600.00	90.00	0.49	9,622.00	4,050.20	-620.30	4,044.75	0.00	0.00	0.00
13,700.00	90.00	0.49	9,622.00	4,150.20	-619.44	4,144.75	0.00	0.00	0.00
13,800.00	90.00	0.49	9,622.00	4,250.19	-618.58	4,244.75	0.00	0.00	0.00
13,900.00	90.00	0.49	9,622.00	4,350.19	-617.73	4,344.75	0.00	0.00	0.00
14,000.00	90.00	0.49	9,622.00	4,450.18	-616.87	4,444.75	0.00	0.00	0.00
14,100.00	90.00	0.49	9,622.00	4,550.18	-616.02	4,544.75	0.00	0.00	0.00
14,200.00	90.00	0.49	9,622.00	4,650.18	-615.16	4,644.75	0.00	0.00	0.00

Premier Directional Drilling

Planning Report

Database: EDM 5000.1.13 Multi-User
Company: MATADOR RESOURCES
Project: Eddy County, New Mexico
Site: Charlie Sweeney Fed Com #204H, #208H, #228H
Well: #204H
Wellbore: Lateral
Design: Plan #2

Local Co-ordinate Reference: Well #204H - Slot 204H
TVD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
MD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14,300.00	90.00	0.49	9,622.00	4,750.17	-614.30	4,744.75	0.00	0.00	0.00
14,400.00	90.00	0.49	9,622.00	4,850.17	-613.45	4,844.75	0.00	0.00	0.00
14,415.86	90.00	0.49	9,622.00	4,866.03	-613.31	4,860.61	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Watts Federal 1 (~268' F - plan misses target center by 4196.82usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Circle (radius 268.00)	0.00	0.00	0.00	4,194.83	-129.15	460,613.81	565,880.54	32° 15' 58.19 N	104° 7' 12.70 W
CSFC 204H SL - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	456,418.98	566,009.69	32° 15' 16.68 N	104° 7' 11.29 W
CSFC 204H NP - plan hits target center - Point	0.00	0.00	5,910.00	-140.27	-656.18	456,278.71	565,353.51	32° 15' 15.30 N	104° 7' 18.94 W
CSFC 204H LP p2 - plan hits target center - Point	0.00	0.00	9,622.00	531.53	-650.43	456,950.51	565,359.26	32° 15' 21.95 N	104° 7' 18.85 W
CSFC 204H PBHL p2 - plan hits target center - Point	0.00	0.00	9,622.00	4,866.03	-613.31	461,285.01	565,396.38	32° 16' 4.84 N	104° 7' 18.32 W

Premier Directional Drilling

Anticollision Report

Company:	MATADOR RESOURCES	Local Co-ordinate Reference:	Well #204H - Slot 204H
Project:	Eddy County, New Mexico	TVD Reference:	3101+28.5 @ 3129.50usft (Patterson282)
Reference Site:	Charlie Sweeney Fed Com #204H, #208H, #228H	MD Reference:	3101+28.5 @ 3129.50usft (Patterson282)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#204H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Lateral	Database:	EDM 5000.1.13 Multi-User
Reference Design:	Plan #2	Offset TVD Reference:	Reference Datum

Reference	Plan #2
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	Stations
Depth Range:	Unlimited
Results Limited by:	Maximum center-center distance of 1,000.00 usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic
Casing Method:	Not applied

Survey Tool Program	Date	8/1/2017
From (usft)	To (usft)	Survey (Wellbore)
0.00	14,415.86	Plan #2 (Lateral)
Tool Name	Description	
MWD+HRGM	OWSG MWD + HRGM	

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Charlie Sweeney Fed Com #204H, #208H, #228H						
#208H - Lateral - Plan #3	600.00	600.00	60.05	56.21	15.634	CC, ES
#208H - Lateral - Plan #3	14,415.86	14,211.34	924.66	771.66	6.044	SF
#228H - Lateral - Plan #3	600.00	599.00	89.94	86.10	23.438	CC, ES
#228H - Lateral - Plan #3	9,450.00	9,385.21	915.96	849.97	13.881	SF

Offset Design	Charlie Sweeney Fed Com #204H, #208H, #228H - #208H - Lateral - Plan #3	Offset Site Error:	0.00 usft									
Survey Program:	0-MWD+HRGM	Offset Well Error:	0.00 usft									
Reference	Offset	Semi Major Axis	Distance	Warning								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
0.00	0.00	0.00	0.00	0.00	0.00	89.95	0.05	60.05	60.05			
100.00	100.00	100.00	100.00	0.13	0.13	89.95	0.05	60.05	60.05	59.79	0.26	234.285
200.00	200.00	200.00	200.00	0.49	0.49	89.95	0.05	60.05	60.05	59.08	0.97	61.700
300.00	300.00	300.00	300.00	0.85	0.85	89.95	0.05	60.05	60.05	58.36	1.69	35.528
400.00	400.00	400.00	400.00	1.20	1.20	89.95	0.05	60.05	60.05	57.64	2.41	24.946
500.00	500.00	500.00	500.00	1.56	1.56	89.95	0.05	60.05	60.05	56.93	3.12	19.221
600.00	600.00	600.00	600.00	1.92	1.92	89.95	0.05	60.05	60.05	56.21	3.84	15.634 CC, ES
700.00	699.99	699.54	699.53	2.27	2.26	-167.50	-0.74	60.41	61.70	57.16	4.53	13.619
800.00	799.91	798.92	798.88	2.61	2.59	-166.19	-3.09	61.50	66.65	61.45	5.20	12.805
900.00	899.69	897.98	897.84	2.96	2.93	-164.40	-6.98	63.30	74.97	69.08	5.89	12.729
1,000.00	999.27	997.30	997.03	3.32	3.27	-162.92	-11.71	65.48	86.28	79.70	6.58	13.105
1,100.00	1,096.57	1,096.33	1,095.92	3.69	3.62	-162.23	-16.42	67.66	100.11	92.83	7.28	13.744
1,133.16	1,131.43	1,129.09	1,128.64	3.81	3.73	-162.13	-17.98	68.38	105.24	97.72	7.52	13.996
1,200.00	1,197.62	1,195.08	1,194.54	4.06	3.97	-162.05	-21.12	69.83	115.85	107.87	7.99	14.503
1,300.00	1,296.65	1,293.81	1,293.13	4.44	4.32	-161.95	-25.82	72.00	131.74	123.04	8.69	15.154
1,400.00	1,395.68	1,392.54	1,391.73	4.83	4.67	-161.87	-30.52	74.17	147.62	138.21	9.40	15.699
1,500.00	1,494.70	1,491.27	1,490.32	5.22	5.02	-161.81	-35.22	76.34	163.50	153.38	10.12	16.163
1,600.00	1,593.73	1,590.01	1,588.92	5.61	5.38	-161.76	-39.92	78.51	179.38	168.55	10.83	16.561
1,700.00	1,692.76	1,688.74	1,687.51	6.01	5.73	-161.71	-44.61	80.68	195.26	183.71	11.55	16.907
1,800.00	1,791.79	1,787.47	1,786.11	6.40	6.09	-161.68	-49.31	82.85	211.15	198.88	12.27	17.210
1,900.00	1,890.81	1,886.20	1,884.70	6.80	6.45	-161.64	-54.01	85.02	227.03	214.04	12.99	17.477
2,000.00	1,989.84	1,984.93	1,983.30	7.20	6.80	-161.62	-58.71	87.19	242.91	229.20	13.71	17.714

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Premier Directional Drilling

Anticollision Report

Company: MATADOR RESOURCES
Project: Eddy County, New Mexico
Reference Site: Charlie Sweeney Fed Com #204H, #208H, #228H
Site Error: 0.00 usft
Reference Well: #204H
Well Error: 0.00 usft
Reference Wellbore: Lateral
Reference Design: Plan #2

Local Co-ordinate Reference: Well #204H - Slot 204H
TVD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
MD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: EDM 5000.1.13 Multi-User
Offset TVD Reference: Reference Datum

Offset Design Charlie Sweeney Fed Com #204H, #208H, #228H - #208H - Lateral - Plan #3

Survey Program: 0-MWD+HRGM

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,100.00	2,088.87	2,083.66	2,081.89	7.60	7.16	-161.59	-63.41	89.36	258.79	244.36	14.44	17.926	
2,200.00	2,187.89	2,182.39	2,180.49	8.00	7.52	-161.57	-68.11	91.53	274.67	259.51	15.16	18.117	
2,300.00	2,286.92	2,281.12	2,279.08	8.40	7.88	-161.55	-72.80	93.70	290.56	274.67	15.89	18.290	
2,400.00	2,385.95	2,379.85	2,377.68	8.80	8.24	-161.53	-77.50	95.87	306.44	289.83	16.61	18.446	
2,500.00	2,484.98	2,478.58	2,476.27	9.21	8.60	-161.52	-82.20	98.04	322.32	304.98	17.34	18.589	
2,600.00	2,584.00	2,577.31	2,574.87	9.61	8.96	-161.50	-86.90	100.21	338.20	320.14	18.07	18.720	
2,700.00	2,683.03	2,676.04	2,673.46	10.01	9.32	-161.49	-91.60	102.38	354.09	335.29	18.79	18.840	
2,800.00	2,782.06	2,774.77	2,772.06	10.42	9.68	-161.48	-96.30	104.55	369.97	350.45	19.52	18.950	
2,900.00	2,881.09	2,873.50	2,870.65	10.82	10.04	-161.47	-100.99	106.72	385.85	365.60	20.25	19.053	
3,000.00	2,980.11	2,972.23	2,969.25	11.22	10.40	-161.46	-105.69	108.89	401.73	380.75	20.98	19.148	
3,100.00	3,079.14	3,070.96	3,067.84	11.63	10.76	-161.45	-110.39	111.06	417.62	395.91	21.71	19.236	
3,200.00	3,178.17	3,169.70	3,166.44	12.03	11.12	-161.44	-115.09	113.23	433.50	411.06	22.44	19.319	
3,300.00	3,277.20	3,268.43	3,265.03	12.44	11.48	-161.43	-119.79	115.40	449.38	426.21	23.17	19.395	
3,400.00	3,376.22	3,367.16	3,363.63	12.84	11.84	-161.43	-124.49	117.57	465.27	441.37	23.90	19.468	
3,500.00	3,475.25	3,465.89	3,462.22	13.25	12.20	-161.42	-129.18	119.74	481.15	456.52	24.63	19.535	
3,600.00	3,574.28	3,567.47	3,563.69	13.66	12.57	-161.45	-133.70	121.82	496.86	471.48	25.38	19.578	
3,700.00	3,673.31	3,671.04	3,667.20	14.06	12.95	-161.64	-136.73	123.23	511.71	485.58	26.14	19.579	
3,800.00	3,772.33	3,774.82	3,770.96	14.47	13.31	-162.01	-138.07	123.84	525.66	498.79	26.88	19.558	
3,900.00	3,871.36	3,875.22	3,871.36	14.87	13.64	-162.46	-138.14	123.87	538.96	511.38	27.58	19.540	
4,000.00	3,970.39	3,974.24	3,970.39	15.28	13.97	-162.90	-138.14	123.87	552.25	523.98	28.28	19.530	
4,100.00	4,069.42	4,073.27	4,069.42	15.69	14.30	-163.31	-138.14	123.87	565.58	536.50	28.97	19.521	
4,200.00	4,168.44	4,172.30	4,168.44	16.09	14.62	-163.71	-138.14	123.87	578.93	549.26	29.67	19.512	
4,300.00	4,267.47	4,271.33	4,267.47	16.50	14.95	-164.08	-138.14	123.87	592.30	561.94	30.37	19.504	
4,400.00	4,366.50	4,370.35	4,366.50	16.90	15.29	-164.44	-138.14	123.87	605.71	574.64	31.07	19.496	
4,500.00	4,465.53	4,469.38	4,465.53	17.31	15.62	-164.79	-138.14	123.87	619.13	587.36	31.77	19.489	
4,600.00	4,564.55	4,568.41	4,564.55	17.72	15.95	-165.12	-138.14	123.87	632.57	600.10	32.47	19.482	
4,700.00	4,663.58	4,667.43	4,663.58	18.12	16.29	-165.44	-138.14	123.87	646.04	612.87	33.17	19.475	
4,800.00	4,762.61	4,766.46	4,762.61	18.53	16.62	-165.74	-138.14	123.87	659.52	625.65	33.88	19.469	
4,900.00	4,861.64	4,865.49	4,861.64	18.94	16.96	-166.03	-138.14	123.87	673.02	638.44	34.58	19.463	
5,000.00	4,960.66	4,964.52	4,960.66	19.34	17.29	-166.31	-138.14	123.87	686.54	651.25	35.28	19.457	
5,100.00	5,059.69	5,063.54	5,059.69	19.75	17.63	-166.58	-138.14	123.87	700.07	664.08	35.99	19.452	
5,200.00	5,158.72	5,162.57	5,158.72	20.16	17.97	-166.84	-138.14	123.87	713.62	676.92	36.70	19.447	
5,300.00	5,257.75	5,261.60	5,257.75	20.57	18.31	-167.09	-138.14	123.87	727.18	689.78	37.40	19.442	
5,400.00	5,356.77	5,360.63	5,356.77	20.97	18.65	-167.33	-138.14	123.87	740.75	702.64	38.11	19.437	
5,422.01	5,378.57	5,382.42	5,378.57	21.06	18.72	-167.38	-138.14	123.87	743.74	705.48	38.27	19.436	
5,500.00	5,455.91	5,459.76	5,455.91	21.38	18.99	-167.58	-138.14	123.87	753.57	714.75	38.82	19.413	
5,600.00	5,555.34	5,559.19	5,555.34	21.76	19.33	-167.78	-138.14	123.87	763.92	724.39	39.52	19.329	
5,700.00	5,655.02	5,658.87	5,655.02	22.13	19.67	-167.93	-138.14	123.87	771.72	731.49	40.22	19.185	
5,800.00	5,754.87	5,758.73	5,754.87	22.49	20.02	-168.03	-138.14	123.87	776.97	736.05	40.92	18.986	
5,900.00	5,854.83	5,858.69	5,854.83	22.83	20.36	-168.08	-138.14	123.87	779.86	738.04	41.62	18.733	
5,955.17	5,910.00	5,913.85	5,910.00	23.01	20.55	89.84	-138.14	123.87	780.05	738.06	42.00	18.574	
6,000.00	5,954.83	5,958.68	5,954.83	23.15	20.71	89.84	-138.14	123.87	780.05	737.75	42.30	18.441	
6,100.00	6,054.83	6,058.68	6,054.83	23.46	21.06	89.84	-138.14	123.87	780.05	737.08	42.97	18.151	
6,200.00	6,154.83	6,158.68	6,154.83	23.77	21.40	89.84	-138.14	123.87	780.05	736.40	43.65	17.870	
6,300.00	6,254.83	6,258.68	6,254.83	24.09	21.75	89.84	-138.14	123.87	780.05	735.72	44.33	17.597	
6,400.00	6,354.83	6,358.68	6,354.83	24.40	22.10	89.84	-138.14	123.87	780.05	735.05	45.01	17.332	
6,500.00	6,454.83	6,458.68	6,454.83	24.72	22.45	89.84	-138.14	123.87	780.05	734.37	45.69	17.074	
6,600.00	6,554.83	6,558.68	6,554.83	25.04	22.79	89.84	-138.14	123.87	780.05	733.68	46.37	16.823	
6,700.00	6,654.83	6,658.68	6,654.83	25.36	23.14	89.84	-138.14	123.87	780.05	733.00	47.05	16.579	
6,800.00	6,754.83	6,758.68	6,754.83	25.68	23.49	89.84	-138.14	123.87	780.05	732.32	47.73	16.342	
6,900.00	6,854.83	6,858.68	6,854.83	26.00	23.84	89.84	-138.14	123.87	780.05	731.64	48.42	16.111	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Premier Directional Drilling

Anticollision Report

Company:	MATADOR RESOURCES	Local Co-ordinate Reference:	Well #204H - Slot 204H
Project:	Eddy County, New Mexico	TVD Reference:	3101+28.5 @ 3129.50usft (Patterson282)
Reference Site:	Charlie Sweeney Fed Com #204H, #208H, #228H	MD Reference:	3101+28.5 @ 3129.50usft (Patterson282)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#204H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Lateral	Database:	EDM 5000.1.13 Multi-User
Reference Design:	Plan #2	Offset TVD Reference:	Reference Datum

Offset Design Charlie Sweeney Fed Com #204H, #208H, #228H - #208H - Lateral - Plan #3													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,000.00	6,954.83	6,958.68	6,954.83	26.32	24.19	89.84	-138.14	123.87	780.05	730.95	49.10	15.886		
7,100.00	7,054.83	7,058.68	7,054.83	26.65	24.54	89.84	-138.14	123.87	780.05	730.27	49.79	15.667		
7,200.00	7,154.83	7,158.68	7,154.83	26.97	24.89	89.84	-138.14	123.87	780.05	729.58	50.47	15.454		
7,300.00	7,254.83	7,258.68	7,254.83	27.30	25.24	89.84	-138.14	123.87	780.05	728.89	51.16	15.247		
7,400.00	7,354.83	7,358.68	7,354.83	27.62	25.59	89.84	-138.14	123.87	780.05	728.20	51.85	15.044		
7,500.00	7,454.83	7,458.68	7,454.83	27.95	25.94	89.84	-138.14	123.87	780.05	727.51	52.54	14.847		
7,600.00	7,554.83	7,558.68	7,554.83	28.28	26.29	89.84	-138.14	123.87	780.05	726.82	53.23	14.655		
7,700.00	7,654.83	7,658.68	7,654.83	28.60	26.64	89.84	-138.14	123.87	780.05	726.13	53.92	14.467		
7,800.00	7,754.83	7,758.68	7,754.83	28.93	26.99	89.84	-138.14	123.87	780.05	725.44	54.61	14.284		
7,900.00	7,854.83	7,858.68	7,854.83	29.26	27.34	89.84	-138.14	123.87	780.05	724.75	55.30	14.105		
8,000.00	7,954.83	7,958.68	7,954.83	29.59	27.69	89.84	-138.14	123.87	780.05	724.06	56.00	13.931		
8,100.00	8,054.83	8,058.68	8,054.83	29.92	28.05	89.84	-138.14	123.87	780.05	723.36	56.69	13.760		
8,200.00	8,154.83	8,158.68	8,154.83	30.26	28.40	89.84	-138.14	123.87	780.05	722.67	57.38	13.594		
8,300.00	8,254.83	8,258.68	8,254.83	30.59	28.75	89.84	-138.14	123.87	780.05	721.98	58.08	13.431		
8,400.00	8,354.83	8,358.68	8,354.83	30.92	29.10	89.84	-138.14	123.87	780.05	721.28	58.77	13.273		
8,500.00	8,454.83	8,458.68	8,454.83	31.25	29.46	89.84	-138.14	123.87	780.05	720.59	59.47	13.118		
8,600.00	8,554.83	8,558.68	8,554.83	31.59	29.81	89.84	-138.14	123.87	780.05	719.89	60.16	12.966		
8,700.00	8,654.83	8,658.68	8,654.83	31.92	30.16	89.84	-138.14	123.87	780.05	719.19	60.86	12.817		
8,800.00	8,754.83	8,758.68	8,754.83	32.26	30.51	89.84	-138.14	123.87	780.05	718.50	61.56	12.672		
8,900.00	8,854.83	8,858.68	8,854.83	32.59	30.87	89.84	-138.14	123.87	780.05	717.80	62.25	12.530		
9,000.00	8,954.83	8,942.90	8,938.90	32.93	31.16	89.56	-134.27	124.53	780.89	718.05	62.84	12.427		
9,081.20	9,036.03	9,006.91	9,001.91	33.20	31.38	88.77	-123.43	126.35	783.45	720.21	63.24	12.389		
9,100.00	9,054.83	9,021.38	9,015.97	33.26	31.43	87.96	-120.02	126.93	784.32	720.99	63.32	12.386		
9,150.00	9,104.66	9,059.59	9,052.60	33.43	31.55	87.12	-109.34	128.72	787.05	723.52	63.52	12.390		
9,200.00	9,153.98	9,100.00	9,090.47	33.59	31.68	86.26	-95.46	131.06	790.36	726.63	63.73	12.402		
9,250.00	9,202.40	9,134.93	9,122.34	33.74	31.78	85.47	-81.37	133.44	794.19	730.34	63.85	12.439		
9,300.00	9,249.55	9,172.14	9,155.26	33.89	31.89	84.69	-64.27	136.31	798.48	734.51	63.97	12.482		
9,350.00	9,295.08	9,209.11	9,186.78	34.02	31.99	83.93	-45.24	139.52	803.19	739.12	64.07	12.536		
9,400.00	9,338.63	9,250.00	9,220.12	34.15	32.11	83.18	-21.91	143.45	808.26	744.05	64.21	12.587		
9,450.00	9,379.88	9,282.42	9,245.30	34.26	32.19	82.52	-1.77	146.84	813.60	749.36	64.24	12.665		
9,500.00	9,418.52	9,318.85	9,272.16	34.36	32.29	81.87	22.48	150.93	819.20	754.88	64.31	12.738		
9,550.00	9,454.24	9,350.00	9,293.86	34.44	32.38	81.28	44.52	154.64	825.01	760.68	64.32	12.826		
9,600.00	9,486.79	9,391.40	9,320.75	34.52	32.49	80.74	75.55	159.86	830.93	766.44	64.49	12.886		
9,650.00	9,515.90	9,427.60	9,342.35	34.58	32.59	80.25	104.19	164.69	836.98	772.38	64.60	12.957		
9,700.00	9,541.36	9,463.80	9,362.07	34.63	32.69	79.81	134.11	169.73	843.09	778.36	64.73	13.025		
9,750.00	9,562.97	9,500.00	9,379.84	34.68	32.79	79.44	165.21	174.96	849.23	784.34	64.89	13.086		
9,800.00	9,580.57	9,536.34	9,395.63	34.72	32.89	79.12	197.47	180.40	855.38	790.29	65.09	13.141		
9,831.20	9,589.46	9,559.05	9,404.44	34.75	32.95	78.95	218.11	183.87	859.20	793.97	65.23	13.172		
9,850.00	9,594.15	9,572.77	9,409.36	34.77	32.99	78.95	230.75	186.00	861.51	796.20	65.32	13.189		
9,900.00	9,604.86	9,609.46	9,420.98	34.84	33.09	78.90	265.05	191.78	867.86	802.30	65.56	13.237		
9,950.00	9,613.00	9,650.00	9,431.41	34.93	33.20	78.85	303.68	198.29	874.42	808.58	65.85	13.280		
10,000.00	9,618.55	9,689.81	9,439.93	35.04	33.32	78.82	342.03	204.74	881.00	814.86	66.15	13.319		
10,050.00	9,621.49	9,731.12	9,447.05	35.18	33.44	78.81	382.15	211.50	887.57	821.10	66.47	13.352		
10,081.20	9,622.00	9,756.97	9,450.60	35.27	33.52	78.82	407.40	215.75	891.66	824.97	66.69	13.370		
10,100.00	9,622.00	9,772.60	9,452.42	35.33	33.57	78.97	422.71	218.33	894.15	827.33	66.82	13.382		
10,200.00	9,622.00	9,856.48	9,457.80	35.89	33.84	79.46	505.22	232.23	908.46	840.98	67.49	13.461		
10,300.00	9,622.00	10,020.69	9,458.00	36.10	34.46	79.71	667.93	254.07	921.09	852.50	68.59	13.429		
10,400.00	9,622.00	10,195.48	9,458.00	36.57	35.26	79.78	842.48	262.05	924.45	854.53	69.92	13.221		
10,500.00	9,622.00	10,295.48	9,458.00	37.09	35.78	79.78	942.47	262.91	924.46	853.51	70.94	13.031		
10,600.00	9,622.00	10,395.48	9,458.00	37.66	36.36	79.78	1,042.47	263.78	924.46	852.39	72.07	12.828		
10,700.00	9,622.00	10,495.48	9,458.00	38.27	36.98	79.78	1,142.47	264.64	924.47	851.19	73.28	12.616		

CC - Min centre to center distance or convergent point SF - min separation factor, ES - min ellipse separation

Premier Directional Drilling

Anticollision Report

Company: MATADOR RESOURCES
Project: Eddy County, New Mexico
Reference Site: Charlie Sweeney Fed Com #204H, #208H, #228H
Site Error: 0.00 usft
Reference Well: #204H
Well Error: 0.00 usft
Reference Wellbore: Lateral
Reference Design: Plan #2

Local Co-ordinate Reference: Well #204H - Slot 204H
TVD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
MD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: EDM 5000.1.13 Multi-User
Offset TVD Reference: Reference Datum

Offset Design Charlie Sweeney Fed Com #204H, #208H, #228H - #208H - Lateral - Plan #3													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,800.00	9,622.00	10,595.48	9,458.00	38.92	37.64	79.78	1,242.46	265.50	924.47	849.89	74.58	12.395		
10,900.00	9,622.00	10,695.48	9,458.00	39.62	38.35	79.78	1,342.46	266.36	924.48	848.51	75.97	12.169		
11,000.00	9,622.00	10,795.48	9,458.00	40.35	39.10	79.78	1,442.46	267.22	924.48	847.05	77.44	11.939		
11,100.00	9,622.00	10,895.48	9,458.00	41.12	39.88	79.78	1,542.45	268.08	924.49	845.51	78.98	11.706		
11,200.00	9,622.00	10,995.48	9,458.00	41.93	40.70	79.78	1,642.45	268.95	924.49	843.90	80.59	11.472		
11,300.00	9,622.00	11,095.48	9,458.00	42.77	41.56	79.78	1,742.44	269.81	924.50	842.23	82.27	11.237		
11,400.00	9,622.00	11,195.48	9,458.00	43.64	42.45	79.78	1,842.44	270.67	924.50	840.49	84.01	11.004		
11,500.00	9,622.00	11,295.48	9,458.00	44.54	43.36	79.78	1,942.44	271.53	924.51	838.69	85.81	10.773		
11,600.00	9,622.00	11,395.48	9,458.00	45.46	44.31	79.78	2,042.43	272.39	924.51	836.84	87.67	10.545		
11,700.00	9,622.00	11,495.48	9,458.00	46.41	45.28	79.78	2,142.43	273.25	924.52	834.94	89.58	10.321		
11,800.00	9,622.00	11,595.48	9,458.00	47.39	46.27	79.78	2,242.43	274.11	924.52	832.98	91.54	10.100		
11,900.00	9,622.00	11,695.48	9,458.00	48.39	47.29	79.78	2,342.42	274.98	924.53	830.99	93.54	9.884		
12,000.00	9,622.00	11,795.48	9,458.00	49.41	48.33	79.78	2,442.42	275.84	924.53	828.94	95.59	9.672		
12,100.00	9,622.00	11,895.48	9,458.00	50.45	49.39	79.78	2,542.42	276.70	924.54	826.86	97.67	9.466		
12,200.00	9,622.00	11,995.48	9,458.00	51.51	50.46	79.78	2,642.41	277.56	924.54	824.75	99.80	9.264		
12,300.00	9,622.00	12,095.48	9,458.00	52.59	51.56	79.78	2,742.41	278.42	924.55	822.59	101.96	9.068		
12,400.00	9,622.00	12,195.48	9,458.00	53.68	52.67	79.78	2,842.40	279.28	924.55	820.41	104.15	8.877		
12,500.00	9,622.00	12,295.48	9,458.00	54.79	53.80	79.78	2,942.40	280.14	924.56	818.19	106.37	8.692		
12,600.00	9,622.00	12,395.48	9,458.00	55.92	54.94	79.78	3,042.40	281.01	924.56	815.94	108.62	8.512		
12,700.00	9,622.00	12,495.48	9,458.00	57.06	56.09	79.78	3,142.39	281.87	924.57	813.67	110.90	8.337		
12,800.00	9,622.00	12,595.48	9,458.00	58.21	57.26	79.78	3,242.39	282.73	924.57	811.37	113.21	8.167		
12,900.00	9,622.00	12,695.48	9,458.00	59.38	58.44	79.78	3,342.39	283.59	924.58	809.04	115.53	8.003		
13,000.00	9,622.00	12,795.48	9,458.00	60.55	59.63	79.78	3,442.38	284.45	924.58	806.70	117.89	7.843		
13,100.00	9,622.00	12,895.48	9,458.00	61.74	60.84	79.78	3,542.38	285.31	924.59	804.33	120.26	7.688		
13,200.00	9,622.00	12,995.48	9,458.00	62.94	62.05	79.78	3,642.37	286.18	924.59	801.94	122.65	7.538		
13,300.00	9,622.00	13,095.48	9,458.00	64.15	63.27	79.78	3,742.37	287.04	924.60	799.53	125.06	7.393		
13,400.00	9,622.00	13,195.48	9,458.00	65.37	64.50	79.78	3,842.37	287.90	924.60	797.11	127.49	7.252		
13,500.00	9,622.00	13,295.48	9,458.00	66.59	65.74	79.78	3,942.36	288.76	924.61	794.67	129.94	7.116		
13,600.00	9,622.00	13,395.48	9,458.00	67.83	66.99	79.78	4,042.36	289.62	924.61	792.21	132.40	6.983		
13,700.00	9,622.00	13,495.48	9,458.00	69.07	68.24	79.78	4,142.36	290.48	924.62	789.74	134.88	6.855		
13,800.00	9,622.00	13,595.48	9,458.00	70.32	69.50	79.78	4,242.35	291.34	924.62	787.25	137.37	6.731		
13,900.00	9,622.00	13,695.48	9,458.00	71.58	70.77	79.78	4,342.35	292.21	924.63	784.75	139.88	6.610		
14,000.00	9,622.00	13,795.48	9,458.00	72.84	72.05	79.78	4,442.34	293.07	924.63	782.24	142.40	6.493		
14,100.00	9,622.00	13,895.48	9,458.00	74.11	73.33	79.78	4,542.34	293.93	924.64	779.71	144.93	6.380		
14,200.00	9,622.00	13,995.48	9,458.00	75.39	74.62	79.78	4,642.34	294.79	924.64	777.17	147.47	6.270		
14,300.00	9,622.00	14,095.48	9,458.00	76.67	75.91	79.78	4,742.33	295.65	924.65	774.63	150.02	6.163		
14,400.00	9,622.00	14,195.48	9,458.00	77.95	77.21	79.78	4,842.33	296.51	924.65	772.07	152.59	6.060		
14,415.86	9,622.00	14,211.34	9,458.00	78.16	77.41	79.78	4,858.19	296.65	924.66	771.66	152.99	6.044 SF		

Premier Directional Drilling

Anticollision Report

Company: MATADOR RESOURCES
Project: Eddy County, New Mexico
Reference Site: Charlie Sweeney Fed Com #204H, #208H, #228H
Site Error: 0.00 usft
Reference Well: #204H
Well Error: 0.00 usft
Reference Wellbore: Lateral
Reference Design: Plan #2

Local Co-ordinate Reference: Well #204H - Slot 204H
TVD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
MD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: EDM 5000.1.13 Multi-User
Offset TVD Reference: Reference Datum

Offset Design Charlie Sweeney Fed Com #204H, #208H, #228H - #228H - Lateral - Plan #3													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toothface (')	Distance		Minimum Separation (usft)	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
0.00	0.00	0.00	1.00	0.00	0.00	89.98	0.03	89.94	89.95					
100.00	100.00	99.00	100.00	0.13	0.13	89.98	0.03	89.94	89.94	0.26	352.670			
200.00	200.00	199.00	200.00	0.49	0.48	89.98	0.03	89.94	89.94	0.97	92.754			
300.00	300.00	299.00	300.00	0.85	0.84	89.98	0.03	89.94	89.94	1.69	53.326			
400.00	400.00	399.00	400.00	1.20	1.20	89.98	0.03	89.94	89.94	2.40	37.420			
500.00	500.00	499.00	500.00	1.56	1.56	89.98	0.03	89.94	89.94	3.12	28.822			
600.00	600.00	599.00	600.00	1.92	1.92	89.98	0.03	89.94	89.94	3.84	23.438 CC, ES			
700.00	699.99	698.99	699.99	2.27	2.28	-168.12	0.03	89.94	91.22	4.54	20.074			
800.00	799.91	798.91	799.91	2.61	2.63	-168.60	0.03	89.94	95.07	5.25	18.121			
900.00	899.69	898.69	899.69	2.96	2.99	-169.31	0.03	89.94	101.49	5.95	17.051			
1,000.00	999.27	998.27	999.27	3.32	3.35	-170.17	0.03	89.94	110.49	6.66	16.588			
1,100.00	1,098.57	1,096.07	1,097.07	3.69	3.68	-170.81	-0.49	90.56	122.69	7.35	16.687			
1,133.16	1,131.43	1,128.36	1,129.35	3.81	3.79	-170.91	-0.90	91.04	127.57	7.58	16.830			
1,200.00	1,197.62	1,193.26	1,194.23	4.06	4.01	-170.99	-2.07	92.43	138.11	8.03	17.197			
1,300.00	1,296.65	1,290.03	1,290.91	4.44	4.34	-170.73	-4.69	95.56	154.90	8.71	17.787			
1,400.00	1,395.68	1,387.17	1,387.88	4.83	4.67	-170.18	-8.31	99.86	172.82	9.39	18.402			
1,500.00	1,494.70	1,485.49	1,486.02	5.22	5.01	-169.65	-12.17	104.46	190.99	10.09	18.936			
1,600.00	1,593.73	1,583.81	1,584.15	5.61	5.35	-169.22	-16.04	109.05	209.18	10.79	19.395			
1,700.00	1,692.76	1,682.13	1,682.29	6.01	5.70	-168.85	-19.90	113.65	227.38	11.49	19.793			
1,800.00	1,791.79	1,780.45	1,780.43	6.40	6.05	-168.54	-23.77	118.25	245.59	12.19	20.140			
1,900.00	1,890.81	1,878.77	1,878.57	6.80	6.40	-168.28	-27.63	122.84	263.80	12.90	20.446			
2,000.00	1,989.84	1,977.09	1,976.70	7.20	6.75	-168.05	-31.49	127.44	282.02	13.61	20.717			
2,100.00	2,088.87	2,075.41	2,074.84	7.60	7.10	-167.84	-35.36	132.04	300.24	14.33	20.959			
2,200.00	2,187.89	2,173.73	2,172.98	8.00	7.45	-167.66	-39.22	136.63	318.46	15.04	21.176			
2,300.00	2,286.92	2,272.05	2,271.11	8.40	7.81	-167.50	-43.09	141.23	336.69	15.75	21.371			
2,400.00	2,385.95	2,370.37	2,369.25	8.80	8.16	-167.35	-46.95	145.83	354.92	16.47	21.549			
2,500.00	2,484.98	2,468.69	2,467.39	9.21	8.52	-167.22	-50.82	150.43	373.15	17.19	21.710			
2,600.00	2,584.00	2,567.02	2,565.53	9.61	8.87	-167.11	-54.68	155.02	391.38	17.91	21.858			
2,700.00	2,683.03	2,665.34	2,663.66	10.01	9.23	-167.00	-58.54	159.62	409.62	18.63	21.993			
2,800.00	2,782.06	2,763.66	2,761.80	10.42	9.59	-166.90	-62.41	164.22	427.85	19.34	22.117			
2,900.00	2,881.09	2,861.98	2,859.94	10.82	9.94	-166.81	-66.27	168.81	446.09	20.07	22.232			
3,000.00	2,980.11	2,960.30	2,958.07	11.22	10.30	-166.72	-70.14	173.41	464.33	20.79	22.338			
3,100.00	3,079.14	3,058.62	3,056.21	11.63	10.66	-166.65	-74.00	178.01	482.56	21.51	22.437			
3,200.00	3,178.17	3,156.94	3,154.35	12.03	11.02	-166.58	-77.87	182.60	500.80	22.23	22.529			
3,300.00	3,277.20	3,255.26	3,252.49	12.44	11.38	-166.51	-81.73	187.20	519.04	22.95	22.614			
3,400.00	3,376.22	3,353.58	3,350.62	12.84	11.74	-166.45	-85.59	191.80	537.28	23.67	22.695			
3,500.00	3,475.25	3,451.90	3,448.76	13.25	12.10	-166.39	-89.46	196.40	555.52	24.40	22.770			
3,600.00	3,574.28	3,550.22	3,546.90	13.66	12.46	-166.33	-93.32	200.99	573.77	25.12	22.840			
3,700.00	3,673.31	3,648.54	3,645.03	14.06	12.82	-166.28	-97.19	205.59	592.01	25.84	22.906			
3,800.00	3,772.33	3,746.86	3,743.17	14.47	13.17	-166.24	-101.05	210.19	610.25	26.57	22.969			
3,900.00	3,871.36	3,845.18	3,841.31	14.87	13.54	-166.19	-104.92	214.78	628.49	27.29	23.028			
4,000.00	3,970.39	3,943.51	3,939.45	15.28	13.90	-166.15	-108.78	219.38	646.74	28.02	23.083			
4,100.00	4,069.42	4,041.83	4,037.58	15.69	14.26	-166.11	-112.65	223.98	664.98	28.74	23.136			
4,200.00	4,168.44	4,140.15	4,135.72	16.09	14.62	-166.07	-116.51	228.57	683.23	29.47	23.186			
4,300.00	4,267.47	4,238.47	4,233.86	16.50	14.98	-166.03	-120.37	233.17	701.47	30.19	23.234			
4,400.00	4,366.50	4,336.79	4,331.99	16.90	15.34	-166.00	-124.24	237.77	719.71	30.92	23.279			
4,500.00	4,465.53	4,435.11	4,430.13	17.31	15.70	-165.97	-128.10	242.37	737.96	31.64	23.322			
4,600.00	4,564.55	4,536.59	4,531.43	17.72	16.07	-165.94	-132.04	247.05	756.15	32.39	23.345			
4,700.00	4,663.58	4,646.65	4,641.37	18.12	16.47	-165.98	-135.91	250.94	773.24	33.19	23.295			
4,800.00	4,762.61	4,757.24	4,751.92	18.53	16.87	-166.12	-137.23	253.22	788.84	33.99	23.210			
4,900.00	4,861.64	4,866.96	4,861.64	18.94	17.25	-166.35	-137.78	253.87	802.96	34.76	23.100			

CC - Min centre to center distance or convergent point, SF - min separation factor ES - min: ellipse separation

Premier Directional Drilling

Anticollision Report

Company: MATADOR RESOURCES
 Project: Eddy County, New Mexico
 Reference Site: Charlie Sweeney Fed Com #204H, #208H, #228H
 Site Error: 0.00 usft
 Reference Well: #204H
 Well Error: 0.00 usft
 Reference Wellbore: Lateral
 Reference Design: Plan #2

Local Co-ordinate Reference: Well #204H - Slot 204H
 TVD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
 MD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Output errors are at: 2.00 sigma
 Database: EDM 5000.1.13 Multi-User
 Offset TVD Reference: Reference Datum

Offset Design Charlie Sweeney Fed Com #204H, #208H, #228H - #228H - Lateral - Plan #3													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HRGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,960.66	4,965.99	4,960.66	19.34	17.58	-166.58	-137.78	253.87	816.49	781.03	35.46	23.025		
5,100.00	5,059.69	5,065.02	5,059.69	19.75	17.91	-166.80	-137.78	253.87	830.04	793.88	36.16	22.953		
5,200.00	5,158.72	5,164.05	5,158.72	20.16	18.24	-167.01	-137.78	253.87	843.60	806.73	36.87	22.883		
5,300.00	5,257.75	5,263.07	5,257.75	20.57	18.58	-167.22	-137.78	253.87	857.17	819.60	37.57	22.816		
5,400.00	5,356.77	5,362.10	5,356.77	20.97	18.91	-167.43	-137.78	253.87	870.75	832.47	38.27	22.751		
5,422.01	5,378.57	5,383.90	5,378.57	21.06	18.99	-167.47	-137.78	253.87	873.74	835.31	38.43	22.737		
5,500.00	5,455.91	5,461.23	5,455.91	21.38	19.25	-167.64	-137.78	253.87	883.57	844.59	38.98	22.669		
5,600.00	5,555.34	5,560.67	5,555.34	21.76	19.58	-167.82	-137.78	253.87	893.91	854.24	39.68	22.529		
5,700.00	5,655.02	5,660.35	5,655.02	22.13	19.92	-167.95	-137.78	253.87	901.72	861.34	40.38	22.332		
5,800.00	5,754.87	5,760.20	5,754.87	22.49	20.26	-168.04	-137.78	253.87	906.97	865.90	41.07	22.081		
5,900.00	5,854.83	5,860.16	5,854.83	22.83	20.60	-168.08	-137.78	253.87	909.66	867.90	41.77	21.779		
5,955.17	5,910.00	5,915.33	5,910.00	23.01	20.79	89.84	-137.78	253.87	910.05	867.91	42.14	21.594		
6,000.00	5,954.83	5,960.16	5,954.83	23.15	20.95	89.84	-137.78	253.87	910.05	867.61	42.44	21.441		
6,100.00	6,054.83	6,060.16	6,054.83	23.46	21.29	89.84	-137.78	253.87	910.05	866.94	43.12	21.107		
6,200.00	6,154.83	6,160.16	6,154.83	23.77	21.63	89.84	-137.78	253.87	910.05	866.26	43.79	20.783		
6,300.00	6,254.83	6,260.16	6,254.83	24.09	21.97	89.84	-137.78	253.87	910.05	865.59	44.46	20.468		
6,400.00	6,354.83	6,360.16	6,354.83	24.40	22.32	89.84	-137.78	253.87	910.05	864.91	45.14	20.161		
6,500.00	6,454.83	6,460.16	6,454.83	24.72	22.66	89.84	-137.78	253.87	910.05	864.24	45.82	19.863		
6,600.00	6,554.83	6,560.16	6,554.83	25.04	23.01	89.84	-137.78	253.87	910.05	863.56	46.49	19.574		
6,700.00	6,654.83	6,660.16	6,654.83	25.36	23.35	89.84	-137.78	253.87	910.05	862.88	47.17	19.292		
6,800.00	6,754.83	6,760.16	6,754.83	25.68	23.70	89.84	-137.78	253.87	910.05	862.20	47.85	19.017		
6,900.00	6,854.83	6,860.16	6,854.83	26.00	24.04	89.84	-137.78	253.87	910.05	861.52	48.54	18.750		
7,000.00	6,954.83	6,960.16	6,954.83	26.32	24.39	89.84	-137.78	253.87	910.05	860.84	49.22	18.490		
7,100.00	7,054.83	7,060.16	7,054.83	26.65	24.74	89.84	-137.78	253.87	910.05	860.15	49.90	18.237		
7,200.00	7,154.83	7,160.16	7,154.83	26.97	25.08	89.84	-137.78	253.87	910.05	859.47	50.59	17.990		
7,300.00	7,254.83	7,260.16	7,254.83	27.30	25.43	89.84	-137.78	253.87	910.05	858.78	51.27	17.750		
7,400.00	7,354.83	7,360.16	7,354.83	27.62	25.78	89.84	-137.78	253.87	910.05	858.10	51.96	17.516		
7,500.00	7,454.83	7,460.16	7,454.83	27.95	26.12	89.84	-137.78	253.87	910.05	857.41	52.64	17.287		
7,600.00	7,554.83	7,560.16	7,554.83	28.28	26.47	89.84	-137.78	253.87	910.05	856.72	53.33	17.064		
7,700.00	7,654.83	7,660.16	7,654.83	28.60	26.82	89.84	-137.78	253.87	910.05	856.03	54.02	16.847		
7,800.00	7,754.83	7,760.16	7,754.83	28.93	27.17	89.84	-137.78	253.87	910.05	855.34	54.71	16.634		
7,900.00	7,854.83	7,860.16	7,854.83	29.26	27.52	89.84	-137.78	253.87	910.05	854.65	55.40	16.427		
8,000.00	7,954.83	7,960.16	7,954.83	29.59	27.87	89.84	-137.78	253.87	910.05	853.96	56.09	16.225		
8,100.00	8,054.83	8,060.16	8,054.83	29.92	28.22	89.84	-137.78	253.87	910.05	853.27	56.78	16.028		
8,200.00	8,154.83	8,160.16	8,154.83	30.26	28.57	89.84	-137.78	253.87	910.05	852.58	57.47	15.835		
8,300.00	8,254.83	8,260.16	8,254.83	30.59	28.92	89.84	-137.78	253.87	910.05	851.89	58.16	15.646		
8,400.00	8,354.83	8,360.16	8,354.83	30.92	29.27	89.84	-137.78	253.87	910.05	851.20	58.86	15.462		
8,500.00	8,454.83	8,460.16	8,454.83	31.25	29.62	89.84	-137.78	253.87	910.05	850.50	59.55	15.282		
8,600.00	8,554.83	8,560.16	8,554.83	31.59	29.97	89.84	-137.78	253.87	910.05	849.81	60.25	15.106		
8,700.00	8,654.83	8,660.16	8,654.83	31.92	30.32	89.84	-137.78	253.87	910.05	849.11	60.94	14.933		
8,800.00	8,754.83	8,760.16	8,754.83	32.26	30.67	89.84	-137.78	253.87	910.05	848.42	61.64	14.765		
8,900.00	8,854.83	8,860.16	8,854.83	32.59	31.02	89.84	-137.78	253.87	910.05	847.72	62.33	14.600		
9,000.00	8,954.83	8,960.16	8,954.83	32.93	31.37	89.84	-137.78	253.87	910.05	847.03	63.03	14.439		
9,081.20	9,036.03	9,041.36	9,036.03	33.20	31.66	89.84	-137.78	253.87	910.05	846.46	63.59	14.311		
9,100.00	9,054.83	9,060.15	9,054.83	33.26	31.72	89.37	-137.78	253.87	910.05	846.33	63.72	14.281		
9,150.00	9,104.66	9,109.99	9,104.66	33.43	31.90	89.62	-137.78	253.87	910.02	845.95	64.07	14.203		
9,189.86	9,144.04	9,149.37	9,144.04	33.56	32.04	90.00	-137.78	253.87	910.00	845.65	64.34	14.143		
9,200.00	9,153.98	9,159.31	9,153.98	33.59	32.07	90.12	-137.78	253.87	910.00	845.59	64.41	14.128		
9,250.00	9,202.40	9,207.73	9,202.40	33.74	32.24	90.87	-137.78	253.87	910.11	845.36	64.75	14.057		
9,300.00	9,249.55	9,254.88	9,249.55	33.89	32.41	91.81	-137.78	253.87	910.52	845.45	65.07	13.992		
9,350.00	9,295.08	9,300.41	9,295.08	34.02	32.57	92.90	-137.78	253.87	911.46	846.07	65.39	13.939		

CC - Min centre to center distance or convergent point. SF - min separation factor. ES - min ellipse separation

Premier Directional Drilling

Anticollision Report

Company: MATADOR RESOURCES
Project: Eddy County, New Mexico
Reference Site: Charlie Sweeney Fed Com #204H, #208H, #228H
Site Error: 0.00 usft
Reference Well: #204H
Well Error: 0.00 usft
Reference Wellbore: Lateral
Reference Design: Plan #2

Local Co-ordinate Reference: Well #204H - Slot 204H
TVD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
MD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: EDM 5000.1.13 Multi-User
Offset TVD Reference: Reference Datum

Offset Design Charlie Sweeney Fed Com #204H, #208H, #228H - #228H - Lateral - Plan #3													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	9,338.63	9,343.96	9,338.63	34.15	32.72	94.06	-137.78	253.87	913.18	847.48	65.69	13.900		
9,450.00	9,379.88	9,385.21	9,379.88	34.26	32.87	95.24	-137.78	253.87	915.96	849.97	65.99	13.881 SF		
9,500.00	9,418.52	9,423.85	9,418.52	34.36	33.00	96.35	-137.78	253.87	920.12	853.85	66.26	13.885		
9,550.00	9,454.24	9,459.57	9,454.24	34.44	33.13	97.32	-137.78	253.87	925.93	859.41	66.53	13.918		
9,600.00	9,486.79	9,492.11	9,486.79	34.52	33.24	98.07	-137.78	253.87	933.69	866.92	66.77	13.983		
9,650.00	9,515.90	9,521.23	9,515.90	34.58	33.34	98.52	-137.78	253.87	943.61	876.62	66.99	14.085		
9,700.00	9,541.36	9,546.69	9,541.36	34.63	33.43	98.62	-137.78	253.87	955.89	888.70	67.20	14.225		
9,750.00	9,562.97	9,568.30	9,562.97	34.68	33.51	98.29	-137.78	253.87	970.64	903.27	67.37	14.407		
9,800.00	9,580.57	9,585.90	9,580.57	34.72	33.57	97.49	-137.78	253.87	987.89	920.37	67.52	14.630		
9,831.20	9,589.46	9,594.79	9,589.46	34.75	33.60	96.72	-137.78	253.87	999.91	932.30	67.60	14.791		

Premier Directional Drilling

Anticollision Report

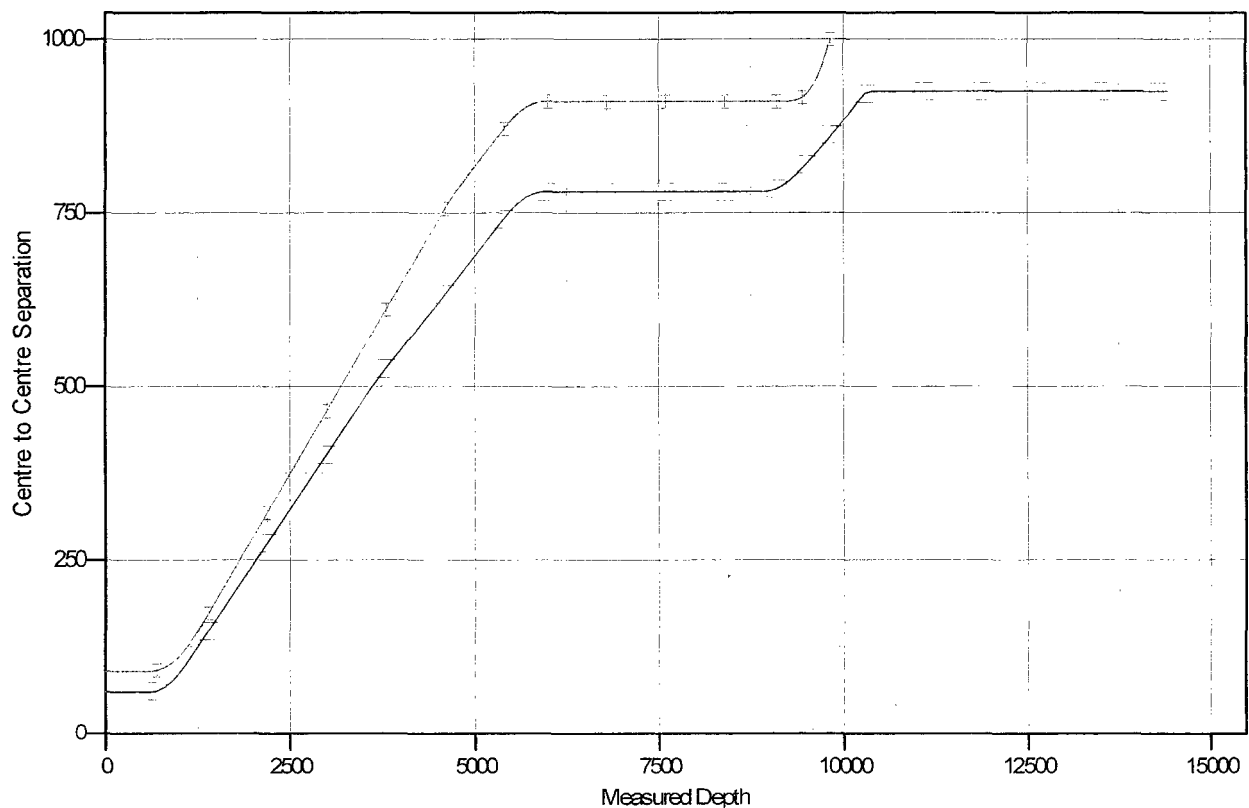
Company: MATADOR RESOURCES
Project: Eddy County, New Mexico
Reference Site: Charlie Sweeney Fed Com #204H, #208H, #228H
Site Error: 0.00 usft
Reference Well: #204H
Well Error: 0.00 usft
Reference Wellbore: Lateral
Reference Design: Plan #2

Local Co-ordinate Reference: Well #204H - Slot 204H
TVD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
MD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: EDM 5000.1.13 Multi-User
Offset TVD Reference: Reference Datum

Reference Depths are relative to 3101+28.5 @ 3129.50usft (Patterson2)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 19' 60.00 W

Coordinates are relative to: #204H - Slot 204H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.11°

Ladder Plot



LEGEND

—+— #228H, Lateral, Plan #3 V0 - - - □ - - - #208H, Lateral, Plan #3 V0

Premier Directional Drilling

Anticollision Report

Company: MATADOR RESOURCES
Project: Eddy County, New Mexico
Reference Site: Charlie Sweeney Fed Com #204H, #208H, #228H
Site Error: 0.00 usft
Reference Well: #204H
Well Error: 0.00 usft
Reference Wellbore: Lateral
Reference Design: Plan #2

Local Co-ordinate Reference: Well #204H - Slot 204H
TVD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
MD Reference: 3101+28.5 @ 3129.50usft (Patterson282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: EDM 5000.1.13 Multi-User
Offset TVD Reference: Reference Datum

Reference Depths are relative to 3101+28.5 @ 3129.50usft (Patterson2)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 19' 60.00 W

Coordinates are relative to: #204H - Slot 204H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.11°

