

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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 Serial No.
100403677

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

STEBBINS 20 FED 124H

2. Name of Operator

MATADOR PRODUCTION COMPANY

Contact: CASSIE HAHN

Email: chahn@matadorresources.com

9. API Well No.

30-015-44185-00-X1

3a. Address

ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE
DALLAS, TX 75240

3b. Phone No. (include area code)

972-371-5241

10. Field and Pool or Exploratory Area

WILDCAT

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

Sec 20 T20S R29E SWSW 361 FSL 130 FWL
32.552708 N Lat, 104.105362 W Lon

331 FSL + 260 FWL

11. County or Parish, State

EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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 on 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.

Please see attached horizontal drilling plan reflecting revised SHL.

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 09 2017

RECEIVED

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

Electronic Submission #380578 verified by the BLM Well Information System
For MATADOR PRODUCTION COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 07/14/2017 (17PP0647SE)

Name (Printed/Typed) BRIAN WOOD

Title CONSULTANT

Signature (Electronic Submission)

Date 07/05/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Mustafa Hagne

Title PETROLEUM ENGINEER

Date

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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 **

RWP 8-



Matador Resources
Eddy County, NM
Stebbins Federal 20 (114-124-134-204)
No. 124H
Prelim Plan B
GL: 3246' + KB: 28.5' (Pat809)



Vertical Section at 90.05° (500 usft/in)
-500 0 500 1000 1500 2000 2500 3000

Start Build 1.00
Start 1909.19 hold at 1900.00 MD

Start Drop -1.00
Start 2836.38 hold at 4309.19 MD

Start DLS 10.00 TFO 90.05

Start 4427.04 hold at 8045.57 MD

Start DLS 10.00 TFO 90.05

Start 4427.04 hold at 8045.57 MD

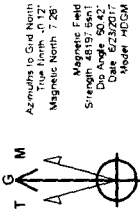
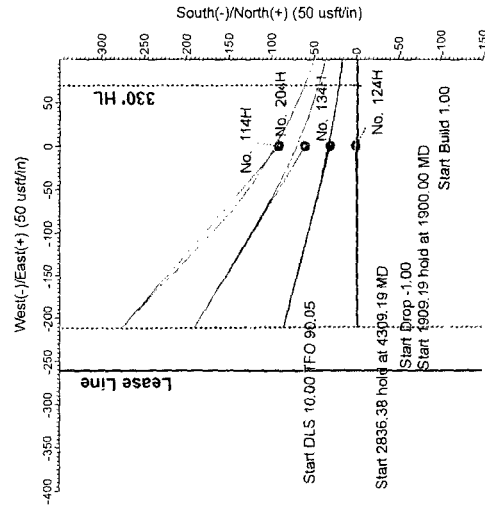
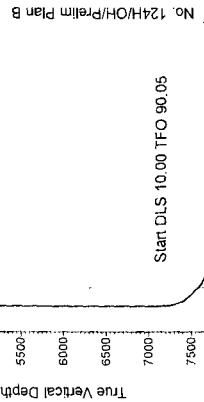
West(-)/East(+) (400 usft/in)

-800 -400 0 400 800 1200 1600 2000 2400 2800 3200 3600 4000 4400 4800 5200 5600

RKB Elevation: Well @ 3274.50usft (GL: 3246' + KB: 28.5' (Pat809))				
+N/-S	+E/-W	Nothing	Easting	Latitude
0.00	0.00	564790.00	570529.00	32° 33' 9.0259 N
				104° 6' 15.9610 W
Slot				

SECTION DETAILS- Lateral

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSec-I
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00
3	1900.00	5.00	289.73	1895.37	-0.10	-21.80	1.00	-21.80
4	3609.19	5.00	289.73	3801.29	-0.90	-188.20	0.00	-188.20
5	4309.19	0.00	0.00	4300.66	-1.00	-210.00	1.00	-210.00
6	7145.57	90.00	0.00	7137.04	-1.00	-210.00	0.00	-210.00
7	8045.57	90.00	90.05	7710.00	-1.40	-362.96	10.00	-362.96
8	12472.62	90.00	90.05	7710.00	-3.00	-4790.00	0.00	-4790.00



Asimuth Corrections
Total Magnetic Corr (M to G): 7.28°
Declination (M to T): 7.40° East

TD at 12472.62

Pro Directional

Anticollision Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM	TVD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Reference Site:	Stebbins Federal 20 (114-124-134-204)	MD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Site Error:	3.30 usft	North Reference:	Grid
Reference Well:	No. 204H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.10 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	WellPlanner1
Reference Design:	Prelim Plan B	Offset TVD Reference:	Offset Datum

Reference	Prelim Plan B		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 9,999.98 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date 6/23/2017			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	1,500.00	Prelim Plan B (OH)	MWD+HDGM	OWSG MWD + HRGM	
1,500.00	8,800.00	Prelim Plan B (OH)	MWD+HDGM	OWSG MWD + HRGM	
8,800.00	14,087.03	Prelim Plan B (OH)	MWD+HDGM	OWSG MWD + HRGM	

Summary						
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						
Stebbins Federal 20 (114-124-134-204)						
No. 114H - OH - Prelim Plan B	1,825.48	1,825.09	25.51	14.45	2.307	CC, ES
No. 114H - OH - Prelim Plan B	6,722.24	6,732.71	61.35	23.17	1.607	SF
No. 124H - OH - Prelim Plan B	1,400.00	1,401.00	60.00	50.17	6.104	CC
No. 124H - OH - Prelim Plan B	1,500.00	1,500.99	60.46	50.11	5.842	ES
No. 124H - OH - Prelim Plan B	7,300.00	7,295.80	192.09	149.56	4.517	SF
No. 134H - OH - Prelim Plan B	1,400.93	1,401.93	30.00	20.17	3.051	CC
No. 134H - OH - Prelim Plan B	1,500.00	1,501.13	30.23	19.72	2.875	ES
No. 134H - OH - Prelim Plan B	8,500.00	8,498.75	105.09	54.62	2.082	SF

Offset Design													Offset Site Error:	3.30 usft
Stebbins Federal 20 (114-124-134-204) - No. 114H - OH - Prelim Plan B													Offset Well Error:	1.10 usft
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 6500-MWD+HDGM														
Reference		Offset		Semi Major Axis			Distance							
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	Warning	
0.00	0.00	0.00	0.00	1.10	1.10	0.00	30.00	0.00	30.00					
100.00	100.00	100.00	100.00	1.11	1.11	0.00	30.00	0.00	30.00	27.79	2.21	13.545		
200.00	200.00	200.00	200.00	1.20	1.20	0.00	30.00	0.00	30.00	27.59	2.41	12.471		
300.00	300.00	300.00	300.00	1.39	1.39	0.00	30.00	0.00	30.00	27.23	2.77	10.814		
400.00	400.00	400.00	400.00	1.63	1.63	0.00	30.00	0.00	30.00	26.74	3.26	9.200		
500.00	500.00	500.00	500.00	1.91	1.91	0.00	30.00	0.00	30.00	26.18	3.82	7.851		
600.00	600.00	600.00	600.00	2.21	2.21	0.00	30.00	0.00	30.00	25.57	4.43	6.777		
700.00	700.00	700.00	700.00	2.53	2.53	0.00	30.00	0.00	30.00	24.94	5.06	5.928		
800.00	800.00	800.00	800.00	2.86	2.86	0.00	30.00	0.00	30.00	24.28	5.72	5.249		
900.00	900.00	900.00	900.00	3.19	3.19	0.00	30.00	0.00	30.00	23.62	6.38	4.700		
1,000.00	1,000.00	1,000.00	1,000.00	3.53	3.53	0.00	30.00	0.00	30.00	22.94	7.06	4.249		
1,100.00	1,100.00	1,100.00	1,100.00	3.87	3.87	0.00	30.00	0.00	30.00	22.26	7.74	3.874		
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	0.00	30.00	0.00	30.00	21.57	8.43	3.557		
1,300.00	1,300.00	1,300.00	1,300.00	4.56	4.56	0.00	30.00	0.00	30.00	20.87	9.13	3.286		
1,400.00	1,400.00	1,400.00	1,400.00	4.91	4.91	0.00	30.00	0.00	30.00	20.17	9.83	3.053		
1,500.00	1,499.99	1,500.01	1,499.99	5.26	5.26	59.68	30.00	0.00	29.55	19.03	10.52	2.808		

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

Pro Directional

Anticollision Report

Company: Matador Resources
Project: Eddy County, NM

Local Co-ordinate Reference: Well No. 204H
TVD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
MD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))

Reference Site: Stebbins Federal 20 (114-124-134-204)

North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: WellPlanner1
Offset TVD Reference: Offset Datum

Site Error: 3.30 usft
Reference Well: No. 204H
Well Error: 1.10 usft
Reference Wellbore OH
Reference Design: Prelim Plan B

Offset Design Stebbins Federal 20 (114-124-134-204) - No. 114H - OH - Prelim Plan B														Offset Site Error:	3.30 usft
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 6500-MWD+HDGM														Offset Well Error:	1.10 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			
1,600.00	1,599.96	1,600.04	1,599.96	5.43	5.44	64.27	30.00	0.00	28.32	17.44	10.86	2.604			
1,700.00	1,699.86	1,700.14	1,699.86	5.46	5.46	72.74	30.00	0.00	26.71	15.79	10.92	2.446			
1,800.00	1,799.68	1,800.32	1,799.68	5.51	5.51	85.90	30.00	0.00	25.57	14.55	11.02	2.321			
1,825.48	1,825.09	1,825.09	1,825.09	5.53	5.53	90.00	30.00	0.00	25.51	14.45	11.06	2.307 CC, ES			
1,900.00	1,899.37	1,900.63	1,899.37	5.58	5.58	103.21	30.00	0.00	26.21	15.04	11.16	2.348			
2,000.00	1,998.99	1,998.99	1,998.99	5.68	5.67	119.91	30.00	0.00	29.45	18.11	11.35	2.596			
2,100.00	2,098.60	2,098.92	2,098.92	5.80	5.78	131.31	30.56	-0.64	34.19	22.61	11.57	2.954			
2,200.00	2,198.22	2,199.10	2,199.06	5.94	5.91	137.74	32.29	-2.60	38.83	26.99	11.84	3.280			
2,300.00	2,297.84	2,299.46	2,299.32	6.11	6.06	141.04	35.17	-5.87	42.67	30.53	12.14	3.516			
2,400.00	2,397.46	2,399.93	2,399.61	6.29	6.23	142.20	39.22	-10.47	45.43	32.95	12.47	3.642			
2,500.00	2,497.08	2,500.47	2,499.83	6.49	6.42	141.66	44.44	-16.39	47.01	34.17	12.84	3.660			
2,600.00	2,596.70	2,600.45	2,599.44	6.70	6.62	140.39	50.20	-22.93	48.02	34.77	13.25	3.624			
2,700.00	2,696.32	2,700.44	2,699.05	6.93	6.83	139.17	55.96	-29.47	49.05	35.37	13.68	3.585			
2,800.00	2,795.94	2,800.43	2,798.65	7.17	7.06	138.00	61.72	-36.01	50.11	35.96	14.14	3.543			
2,900.00	2,895.56	2,900.42	2,898.26	7.42	7.31	136.88	67.48	-42.55	51.18	36.55	14.63	3.499			
3,000.00	2,995.18	3,000.41	2,997.87	7.68	7.56	135.81	73.24	-49.09	52.28	37.14	15.13	3.454			
3,100.00	3,094.80	3,100.40	3,097.48	7.95	7.82	134.78	79.00	-55.62	53.39	37.73	15.66	3.409			
3,200.00	3,194.42	3,200.39	3,197.09	8.23	8.09	133.79	84.76	-62.16	54.52	38.31	16.20	3.365			
3,300.00	3,294.04	3,300.38	3,296.70	8.52	8.37	132.84	90.52	-68.70	55.66	38.90	16.76	3.321			
3,400.00	3,393.66	3,400.37	3,396.31	8.81	8.66	131.93	96.28	-75.24	56.82	39.48	17.33	3.278			
3,500.00	3,493.28	3,500.36	3,495.92	9.11	8.95	131.06	102.05	-81.78	57.99	40.07	17.92	3.236			
3,600.00	3,592.90	3,600.35	3,595.53	9.41	9.25	130.23	107.81	-88.32	59.17	40.66	18.52	3.195			
3,700.00	3,692.52	3,700.34	3,695.13	9.72	9.56	129.42	113.57	-94.86	60.37	41.24	19.13	3.156			
3,800.00	3,792.14	3,800.33	3,794.74	10.04	9.87	128.65	119.33	-101.40	61.58	41.83	19.75	3.119			
3,900.00	3,891.76	3,900.31	3,894.35	10.36	10.18	127.91	125.09	-107.94	62.80	42.42	20.37	3.082			
4,000.00	3,991.37	4,000.30	3,993.96	10.68	10.50	127.19	130.85	-114.48	64.03	43.02	21.01	3.047			
4,100.00	4,090.99	4,100.29	4,093.57	11.01	10.82	126.50	136.61	-121.02	65.26	43.61	21.65	3.014			
4,200.00	4,190.61	4,200.28	4,193.18	11.33	11.15	125.84	142.37	-127.56	66.51	44.21	22.30	2.982			
4,233.48	4,223.97	4,233.76	4,226.53	11.45	11.26	125.63	144.30	-129.74	66.93	44.41	22.52	2.972			
4,300.00	4,290.27	4,300.27	4,292.78	11.67	11.48	124.94	148.13	-134.09	67.55	44.59	22.96	2.942			
4,400.00	4,390.04	4,400.24	4,392.38	11.99	11.81	122.91	153.89	-140.63	67.69	44.06	23.63	2.864			
4,500.00	4,489.92	4,500.16	4,491.92	12.32	12.14	119.61	159.65	-147.17	67.04	42.72	24.31	2.757			
4,600.00	4,589.86	4,600.00	4,591.38	12.64	12.48	114.89	165.40	-153.70	65.86	40.85	25.00	2.634			
4,700.00	4,689.85	4,700.26	4,690.73	12.95	12.82	108.59	171.14	-160.22	64.56	38.86	25.70	2.512			
4,733.48	4,723.33	4,733.10	4,723.97	13.05	12.93	47.86	173.07	-162.40	64.19	38.27	25.93	2.476			
4,800.00	4,789.85	4,800.64	4,789.98	13.26	13.16	42.70	176.88	-166.73	63.80	37.41	26.39	2.418			
4,816.96	4,806.81	4,816.26	4,806.81	13.31	13.21	41.38	177.86	-167.84	63.78	37.28	26.50	2.407			
4,900.00	4,889.85	4,901.02	4,889.22	13.57	13.50	34.93	182.62	-173.25	64.19	37.13	27.06	2.372			
5,000.00	4,989.85	5,001.40	4,988.46	13.88	13.85	27.39	188.36	-179.76	65.75	38.02	27.72	2.371			
5,100.00	5,089.85	5,101.78	5,087.70	14.19	14.20	20.31	194.10	-186.28	68.38	40.02	28.37	2.411			
5,200.00	5,189.85	5,197.84	5,186.94	14.51	14.53	13.84	199.84	-192.79	71.99	43.00	28.99	2.483			
5,300.00	5,289.85	5,298.10	5,286.87	14.83	14.88	8.43	205.18	-198.85	76.06	46.44	29.62	2.568			
5,400.00	5,389.85	5,398.68	5,387.25	15.15	15.22	4.59	209.38	-203.62	79.68	49.42	30.26	2.634			
5,500.00	5,489.85	5,499.46	5,487.92	15.47	15.56	2.03	212.42	-207.08	82.50	51.60	30.90	2.670			
5,600.00	5,589.85	5,600.37	5,588.79	15.79	15.90	0.54	214.30	-209.20	84.31	52.77	31.54	2.673			
5,700.00	5,689.85	5,701.34	5,688.76	16.11	16.23	0.00	214.99	-209.99	84.99	52.81	32.19	2.641			
5,800.00	5,789.85	5,801.44	5,788.85	16.44	16.56	0.00	215.00	-210.00	85.00	52.16	32.84	2.588			
5,900.00	5,889.85	5,901.44	5,888.85	16.77	16.88	0.00	215.00	-210.00	85.00	51.50	33.50	2.538			
6,000.00	5,989.85	6,001.44	5,988.85	17.10	17.21	0.00	215.00	-210.00	85.00	50.85	34.15	2.489			
6,100.00	6,089.85	6,101.44	6,088.85	17.42	17.54	0.00	215.00	-210.00	85.00	50.19	34.81	2.442			

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

Pro Directional

Anticollision Report

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Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 6500-MWD+HDGM													Offset Well Error: 1.10 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	
6,200.00	6,189.85	6,201.44	6,189.85	17.76	17.87	0.00	215.00	-210.00	85.00	49.52	35.48	2.396	
6,300.00	6,289.85	6,301.44	6,289.85	18.09	18.20	0.00	215.00	-210.00	85.00	48.85	36.14	2.352	
6,400.00	6,389.85	6,401.44	6,389.85	18.42	18.53	0.00	215.00	-210.00	85.00	48.19	36.81	2.309	
6,500.00	6,489.85	6,504.90	6,493.30	18.75	18.81	0.50	214.30	-209.27	84.37	47.00	37.37	2.258	
6,600.00	6,589.85	6,613.37	6,600.32	19.09	18.78	9.93	202.78	-197.26	74.63	37.19	37.44	1.993	
6,700.00	6,689.85	6,712.41	6,693.73	19.42	18.74	35.79	180.26	-173.77	62.08	23.99	38.09	1.630	
6,722.24	6,712.09	6,732.71	6,712.09	19.50	18.73	43.80	174.28	-167.54	61.35	23.17	38.18	1.607 SF	
6,800.00	6,789.85	6,798.25	6,789.13	19.76	18.70	71.51	151.97	-144.28	72.33	35.45	36.88	1.961	
6,900.00	6,889.85	6,870.29	6,827.11	20.10	18.70	94.48	122.44	-113.48	115.37	81.77	33.59	3.434	
7,000.00	6,989.85	6,930.07	6,870.88	20.43	18.72	105.82	94.32	-84.07	176.88	145.62	31.26	5.658	
7,100.00	7,089.85	6,982.43	6,906.46	20.77	18.76	111.21	69.69	-54.63	247.81	217.88	29.93	8.279	
7,200.00	7,189.85	7,028.49	6,935.81	21.11	18.82	113.61	49.37	-25.55	324.13	295.05	29.08	11.147	
7,300.00	7,289.85	7,068.83	6,959.87	21.45	18.90	114.63	32.71	2.20	404.20	375.74	28.46	14.204	
7,400.00	7,389.85	7,100.00	6,977.33	21.79	18.98	114.96	20.61	25.01	487.20	459.36	27.84	17.499	
7,500.00	7,489.85	7,135.01	6,995.69	22.13	19.11	114.99	7.90	51.97	572.48	544.84	27.64	20.714	
7,600.00	7,589.85	7,162.15	7,008.97	22.47	19.21	114.83	-1.30	73.77	659.69	632.32	27.38	24.096	
7,700.00	7,689.85	7,186.07	7,019.95	22.82	19.32	114.59	-8.92	93.61	748.49	721.30	27.20	27.521	
7,800.00	7,789.85	7,200.00	7,026.03	23.16	19.39	114.41	-13.13	105.41	838.68	811.74	26.94	31.130	
7,900.00	7,889.85	7,226.08	7,036.78	23.50	19.53	114.02	-20.58	127.97	929.86	902.84	27.02	34.411	
8,000.00	7,989.85	7,250.00	7,045.88	23.85	19.67	113.60	-26.90	149.17	1,022.11	994.99	27.12	37.692	
8,100.00	8,089.85	7,250.00	7,045.88	24.19	19.67	113.60	-26.90	149.17	1,115.12	1,088.20	26.93	41.412	
8,200.00	8,189.85	7,271.56	7,053.45	24.53	19.81	113.18	-32.15	168.66	1,208.75	1,181.65	27.10	44.605	
8,300.00	8,289.85	7,283.85	7,057.50	24.88	19.90	112.93	-34.96	179.92	1,303.05	1,275.86	27.19	47.924	
8,400.00	8,389.85	7,300.00	7,062.51	25.22	20.01	112.59	-38.44	194.87	1,397.90	1,370.55	27.36	51.098	
8,500.00	8,489.85	7,300.00	7,062.51	25.57	20.01	112.59	-38.44	194.87	1,493.18	1,465.79	27.39	54.508	
8,600.00	8,589.85	7,300.00	7,062.51	25.91	20.01	112.59	-38.44	194.87	1,589.05	1,561.57	27.47	57.840	
8,709.18	8,699.03	7,323.78	7,069.25	26.29	20.19	112.06	-43.12	217.19	1,693.70	1,665.91	27.79	60.942	
8,750.00	8,739.82	7,327.43	7,070.22	26.43	20.22	-7.34	-43.79	220.64	1,732.59	1,704.73	27.86	62.189	
8,800.00	8,789.47	7,332.77	7,071.60	26.50	20.27	-8.00	-44.75	225.71	1,779.00	1,751.33	27.68	64.281	
8,850.00	8,838.44	7,350.00	7,075.80	26.49	20.40	-5.33	-47.67	242.16	1,823.93	1,796.13	27.80	65.617	
8,900.00	8,886.34	7,350.00	7,075.80	26.48	20.40	-4.61	-47.67	242.16	1,866.80	1,839.01	27.78	67.194	
8,950.00	8,932.82	7,350.00	7,075.80	26.47	20.40	-4.07	-47.67	242.16	1,907.69	1,879.93	27.76	68.711	
9,000.00	8,977.52	7,350.00	7,075.80	26.46	20.40	-3.66	-47.67	242.16	1,946.43	1,918.69	27.75	70.150	
9,050.00	9,020.10	7,370.61	7,080.28	26.46	20.59	-3.61	-50.79	262.04	1,982.47	1,954.62	27.85	71.191	
9,100.00	9,060.24	7,379.83	7,082.09	26.47	20.67	-3.46	-52.05	270.98	2,016.01	1,988.13	27.88	72.312	
9,150.00	9,097.63	7,400.00	7,085.65	26.48	20.85	-3.48	-54.52	290.69	2,046.89	2,018.92	27.97	73.185	
9,159.18	9,104.17	7,400.00	7,085.65	26.49	20.85	-3.44	-54.52	290.69	2,052.19	2,024.23	27.96	73.393	
9,200.00	9,132.23	7,400.00	7,085.65	26.51	20.85	-2.61	-54.52	290.69	2,074.88	2,046.92	27.96	74.197	
9,250.00	9,164.26	7,400.00	7,085.65	26.55	20.85	-1.83	-54.52	290.69	2,100.73	2,072.75	27.98	75.081	
9,300.00	9,193.49	7,420.42	7,088.66	26.63	21.05	-1.39	-56.63	310.77	2,123.92	2,095.83	28.09	75.617	
9,350.00	9,219.89	7,431.43	7,090.04	26.76	21.16	-0.98	-57.59	321.65	2,144.61	2,116.45	28.17	76.140	
9,400.00	9,242.66	7,450.00	7,091.98	26.92	21.35	-0.71	-58.95	340.07	2,162.66	2,134.38	28.28	76.471	
9,450.00	9,262.24	7,450.00	7,091.98	27.12	21.35	-0.43	-58.95	340.07	2,177.83	2,149.49	28.35	76.822	
9,500.00	9,278.26	7,450.00	7,091.98	27.37	21.35	-0.24	-58.95	340.07	2,190.40	2,161.96	28.44	77.018	
9,550.00	9,290.62	7,477.64	7,093.96	27.67	21.64	-0.15	-60.34	367.60	2,199.60	2,170.98	28.61	76.871	
9,600.00	9,299.21	7,500.00	7,094.75	28.01	21.88	-0.08	-60.91	389.94	2,206.16	2,177.38	28.78	76.649	
9,650.00	9,303.97	7,500.00	7,094.75	28.39	21.88	-0.02	-60.91	389.94	2,209.53	2,180.61	28.92	76.397	
9,686.54	9,305.00	7,513.60	7,094.88	28.69	22.03	0.00	-61.01	403.53	2,210.17	2,181.11	29.06	76.063	
9,700.00	9,305.00	7,514.10	7,094.88	28.81	22.04	0.00	-61.01	403.53	2,210.12	2,181.02	29.10	75.939	
9,800.00	9,305.00	7,613.10	7,094.89	29.75	23.24	0.00	-61.10	503.03	2,210.12	2,180.50	29.62	74.620	
9,900.00	9,305.00	7,713.10	7,094.89	30.84	24.61	0.00	-61.19	603.03	2,210.12	2,179.91	30.21	73.166	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM	TVD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Reference Site:	Stebbins Federal 20 (114-124-134-204)	MD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Site Error:	3.30 usft	North Reference:	Grid
Reference Well:	No. 204H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.10 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	WellPlanner1
Reference Design:	Prelim Plan B	Offset TVD Reference:	Offset Datum

Offset Design Stebbins Federal 20 (114-124-134-204) - No. 114H - OH - Prelim Plan B													Offset Site Error:	3.30 usft
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 6500-MWD+HDGM													Offset Well Error:	1.10 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,000.00	9,305.00	7,813.10	7,094.89	32.06	26.11	0.00	-61.28	703.03	2,210.11	2,179.25	30.87	71.606		
10,100.00	9,305.00	7,913.10	7,094.89	33.39	27.72	0.00	-61.37	803.03	2,210.11	2,178.52	31.59	69.967		
10,200.00	9,305.00	8,013.10	7,094.90	34.83	29.42	0.00	-61.46	903.03	2,210.11	2,177.74	32.37	68.275		
10,300.00	9,305.00	8,113.10	7,094.90	36.35	31.20	0.00	-61.56	1,003.03	2,210.10	2,176.90	33.21	66.552		
10,400.00	9,305.00	8,213.10	7,094.90	37.96	33.05	0.00	-61.65	1,103.03	2,210.10	2,176.00	34.10	64.816		
10,500.00	9,305.00	8,313.10	7,094.91	39.63	34.95	0.00	-61.74	1,203.03	2,210.10	2,175.06	35.03	63.083		
10,600.00	9,305.00	8,413.10	7,094.91	41.37	36.90	0.00	-61.83	1,303.03	2,210.10	2,174.08	36.01	61.367		
10,700.00	9,305.00	8,513.10	7,094.91	43.15	38.89	0.00	-61.92	1,403.03	2,210.09	2,173.06	37.03	59.677		
10,800.00	9,305.00	8,613.10	7,094.91	44.99	40.91	0.00	-62.01	1,503.03	2,210.09	2,172.00	38.09	58.022		
10,900.00	9,305.00	8,713.10	7,094.92	46.87	42.96	0.00	-62.10	1,603.03	2,210.09	2,170.91	39.16	56.407		
11,000.00	9,305.00	8,813.10	7,094.92	48.78	45.03	0.00	-62.19	1,703.03	2,210.09	2,169.78	40.30	54.838		
11,100.00	9,305.00	8,913.10	7,094.92	50.73	47.13	0.00	-62.28	1,803.03	2,210.08	2,168.63	41.45	53.317		
11,200.00	9,305.00	9,013.10	7,094.92	52.70	49.24	0.00	-62.37	1,903.03	2,210.08	2,167.45	42.63	51.846		
11,300.00	9,305.00	9,113.10	7,094.93	54.70	51.37	0.00	-62.47	2,003.03	2,210.08	2,166.25	43.83	50.427		
11,400.00	9,305.00	9,213.10	7,094.93	56.73	53.52	0.00	-62.56	2,103.03	2,210.07	2,165.02	45.05	49.059		
11,500.00	9,305.00	9,313.10	7,094.93	58.77	55.68	0.00	-62.65	2,203.03	2,210.07	2,163.78	46.29	47.742		
11,600.00	9,305.00	9,413.10	7,094.93	60.84	57.85	0.00	-62.74	2,303.03	2,210.07	2,162.51	47.55	46.475		
11,700.00	9,305.00	9,513.10	7,094.94	62.92	60.03	0.00	-62.83	2,403.03	2,210.07	2,161.23	48.83	45.258		
11,800.00	9,305.00	9,613.10	7,094.94	65.01	62.22	0.00	-62.92	2,503.03	2,210.06	2,159.94	50.13	44.089		
11,900.00	9,305.00	9,713.10	7,094.94	67.12	64.42	0.00	-63.01	2,603.03	2,210.06	2,158.62	51.44	42.966		
12,000.00	9,305.00	9,813.10	7,094.94	69.25	66.62	0.00	-63.10	2,703.03	2,210.06	2,157.30	52.76	41.888		
12,100.00	9,305.00	9,913.10	7,094.95	71.38	68.83	0.00	-63.19	2,803.03	2,210.05	2,155.96	54.10	40.853		
12,200.00	9,305.00	10,013.10	7,094.95	73.53	71.05	0.00	-63.28	2,903.03	2,210.05	2,154.60	55.45	39.859		
12,300.00	9,305.00	10,113.10	7,094.95	75.68	73.27	0.00	-63.37	3,003.03	2,210.05	2,153.24	56.81	38.905		
12,400.00	9,305.00	10,213.10	7,094.96	77.84	75.50	0.00	-63.47	3,103.03	2,210.05	2,151.87	58.18	37.988		
12,500.00	9,305.00	10,313.10	7,094.96	80.01	77.73	0.00	-63.56	3,203.03	2,210.04	2,150.49	59.56	37.108		
12,600.00	9,305.00	10,413.10	7,094.96	82.19	79.97	0.00	-63.65	3,303.03	2,210.04	2,149.09	60.95	36.262		
12,700.00	9,305.00	10,513.10	7,094.96	84.37	82.21	0.00	-63.74	3,403.03	2,210.04	2,147.69	62.34	35.449		
12,800.00	9,305.00	10,613.10	7,094.97	86.57	84.46	0.00	-63.83	3,503.03	2,210.04	2,146.29	63.75	34.668		
12,900.00	9,305.00	10,713.10	7,094.97	88.76	86.70	0.00	-63.92	3,603.03	2,210.03	2,144.87	65.16	33.916		
13,000.00	9,305.00	10,813.10	7,094.97	90.97	88.95	0.00	-64.01	3,703.03	2,210.03	2,143.45	66.58	33.193		
13,100.00	9,305.00	10,913.10	7,094.97	93.17	91.21	0.00	-64.10	3,803.03	2,210.03	2,142.02	68.01	32.497		
13,200.00	9,305.00	11,013.10	7,094.98	95.38	93.46	0.00	-64.19	3,903.03	2,210.02	2,140.59	69.44	31.827		
13,300.00	9,305.00	11,113.10	7,094.98	97.60	95.72	0.00	-64.28	4,003.03	2,210.02	2,139.15	70.88	31.181		
13,400.00	9,305.00	11,213.10	7,094.98	99.82	97.98	0.00	-64.38	4,103.03	2,210.02	2,137.70	72.32	30.559		
13,500.00	9,305.00	11,313.10	7,094.98	102.05	100.25	0.00	-64.47	4,203.03	2,210.02	2,136.25	73.77	29.959		
13,600.00	9,305.00	11,413.10	7,094.99	104.27	102.51	0.00	-64.56	4,303.03	2,210.01	2,134.79	75.22	29.380		
13,700.00	9,305.00	11,513.10	7,094.99	106.51	104.78	0.00	-64.65	4,403.03	2,210.01	2,133.33	76.68	28.822		
13,800.00	9,305.00	11,613.10	7,094.99	108.74	107.04	0.00	-64.74	4,503.03	2,210.01	2,131.87	78.14	28.282		
13,900.00	9,305.00	11,713.10	7,095.00	110.98	109.31	0.00	-64.83	4,603.03	2,210.01	2,130.40	79.61	27.761		
14,000.00	9,305.00	11,813.10	7,095.00	113.22	111.59	0.00	-64.92	4,703.03	2,210.00	2,128.93	81.08	27.258		
14,087.03	9,305.00	11,900.12	7,095.00	115.17	113.56	0.00	-65.00	4,790.06	2,210.00	2,127.64	82.36	26.834		
14,088.00	9,305.00	11,901.09	7,095.00	115.19	113.59	0.00	-65.00	4,791.03	2,210.00	2,127.63	82.37	26.830		

Pro Directional

Anticollision Report

Company: Matador Resources
Project: Eddy County, NM

Reference Site: Stebbins Federal 20 (114-124-134-204)

Site Error: 3.30 usft

Reference Well: No. 204H

Well Error: 1.10 usft

Reference Wellbore: OH

Reference Design: Prelim Plan B

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Output errors are at

Database:

Offset TVD Reference:

Well No. 204H

Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))

Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))

Grid

Minimum Curvature

2.00 sigma

WellPlanner1

Offset Datum

Offset Design Stebbins Federal 20 (114-124-134-204) - No. 124H - OH - Prelim Plan B													Offset Site Error:	3.30 usft
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 7200-MWD+HDGM													Offset Well Error:	1.10 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		
0.00	0.00	1.00	1.00	1.10	1.10	180.00	-60.00	0.00	60.00					
100.00	100.00	101.00	101.00	1.11	1.11	180.00	-60.00	0.00	60.00	57.78	2.22	27.084		
200.00	200.00	201.00	201.00	1.20	1.20	180.00	-60.00	0.00	60.00	57.59	2.41	24.926		
300.00	300.00	301.00	301.00	1.39	1.39	180.00	-60.00	0.00	60.00	57.22	2.78	21.610		
400.00	400.00	401.00	401.00	1.63	1.63	180.00	-60.00	0.00	60.00	56.74	3.26	18.384		
500.00	500.00	501.00	501.00	1.91	1.91	180.00	-60.00	0.00	60.00	56.18	3.82	15.691		
600.00	600.00	601.00	601.00	2.21	2.22	180.00	-60.00	0.00	60.00	55.57	4.43	13.545		
700.00	700.00	701.00	701.00	2.53	2.53	180.00	-60.00	0.00	60.00	54.94	5.06	11.847		
800.00	800.00	801.00	801.00	2.86	2.86	180.00	-60.00	0.00	60.00	54.28	5.72	10.492		
900.00	900.00	901.00	901.00	3.19	3.19	180.00	-60.00	0.00	60.00	53.61	6.39	9.395		
1,000.00	1,000.00	1,001.00	1,001.00	3.53	3.53	180.00	-60.00	0.00	60.00	52.94	7.06	8.494		
1,100.00	1,100.00	1,101.00	1,101.00	3.87	3.88	180.00	-60.00	0.00	60.00	52.25	7.75	7.744		
1,200.00	1,200.00	1,201.00	1,201.00	4.22	4.22	180.00	-60.00	0.00	60.00	51.56	8.44	7.111		
1,300.00	1,300.00	1,301.00	1,301.00	4.56	4.57	180.00	-60.00	0.00	60.00	50.87	9.13	6.570		
1,400.00	1,400.00	1,401.00	1,401.00	4.91	4.92	180.00	-60.00	0.00	60.00	50.17	9.83	6.104 CC		
1,500.00	1,499.99	1,500.99	1,500.99	5.26	5.09	-121.62	-60.00	-0.89	60.46	50.11	10.35	5.842 ES		
1,600.00	1,599.96	1,600.97	1,600.93	5.43	5.12	-121.23	-60.02	-3.52	61.86	51.31	10.55	5.863		
1,700.00	1,699.86	1,700.92	1,700.78	5.46	5.17	-120.63	-60.04	-7.90	64.18	53.56	10.63	6.040		
1,800.00	1,799.68	1,800.83	1,800.50	5.51	5.24	-119.87	-60.07	-14.01	67.45	56.70	10.75	6.273		
1,900.00	1,899.37	1,900.68	1,900.05	5.58	5.35	-118.99	-60.10	-21.86	71.66	60.73	10.93	6.557		
2,000.00	1,998.99	2,000.57	1,999.55	5.68	5.47	-118.18	-60.15	-30.57	76.35	65.20	11.15	6.846		
2,100.00	2,098.60	2,100.45	2,099.05	5.80	5.62	-117.46	-60.19	-39.27	81.06	69.63	11.42	7.096		
2,200.00	2,198.22	2,200.34	2,198.56	5.94	5.79	-116.82	-60.23	-47.98	85.77	74.04	11.73	7.310		
2,300.00	2,297.84	2,300.22	2,298.06	6.11	5.98	-116.24	-60.27	-56.68	90.50	78.42	12.08	7.489		
2,400.00	2,397.46	2,400.10	2,397.57	6.29	6.19	-115.73	-60.31	-65.39	95.23	82.76	12.47	7.637		
2,500.00	2,497.08	2,500.01	2,497.07	6.49	6.41	-115.26	-60.35	-74.09	99.98	87.09	12.89	7.757		
2,600.00	2,596.70	2,600.13	2,596.57	6.70	6.65	-114.83	-60.39	-82.80	104.72	91.39	13.34	7.852		
2,700.00	2,696.32	2,700.24	2,696.08	6.93	6.90	-114.45	-60.44	-91.51	109.48	95.67	13.81	7.927		
2,800.00	2,795.94	2,800.36	2,795.58	7.17	7.16	-114.09	-60.48	-100.21	114.23	99.92	14.31	7.983		
2,900.00	2,895.56	2,900.47	2,895.09	7.42	7.43	-113.76	-60.52	-108.92	119.00	104.17	14.83	8.024		
3,000.00	2,895.18	3,000.59	2,894.59	7.68	7.71	-113.46	-60.56	-117.62	123.76	108.39	15.37	8.053		
3,100.00	3,094.80	3,100.71	3,094.10	7.95	8.00	-113.18	-60.60	-126.33	128.53	112.60	15.93	8.071		
3,200.00	3,194.42	3,200.82	3,193.60	8.23	8.30	-112.92	-60.64	-135.03	133.30	116.80	16.50	8.090		
3,300.00	3,294.04	3,300.94	3,293.10	8.52	8.60	-112.68	-60.68	-143.74	138.08	120.99	17.08	8.082		
3,400.00	3,393.66	3,401.05	3,392.61	8.81	8.91	-112.45	-60.73	-152.44	142.85	125.17	17.68	8.078		
3,500.00	3,493.28	3,501.17	3,492.11	9.11	9.22	-112.24	-60.77	-161.15	147.63	129.34	18.29	8.070		
3,600.00	3,592.90	3,601.28	3,591.62	9.41	9.54	-112.04	-60.81	-169.85	152.41	133.50	18.91	8.058		
3,700.00	3,692.52	3,701.40	3,691.12	9.72	9.86	-111.86	-60.85	-178.56	157.19	137.65	19.54	8.043		
3,800.00	3,792.14	3,798.48	3,790.63	10.04	10.18	-111.68	-60.89	-187.26	161.98	141.80	20.17	8.029		
3,900.00	3,891.76	3,898.83	3,890.65	10.36	10.50	-111.76	-60.93	-195.31	166.64	145.82	20.82	8.005		
4,000.00	3,991.37	3,999.23	3,990.84	10.68	10.83	-112.40	-60.96	-201.62	171.00	149.54	21.46	7.987		
4,100.00	4,090.99	4,099.55	4,091.06	11.01	11.15	-113.58	-60.98	-206.17	175.12	153.01	22.11	7.921		
4,200.00	4,190.61	4,199.74	4,191.22	11.33	11.47	-115.26	-61.00	-208.95	179.10	156.35	22.75	7.872		
4,233.48	4,223.97	4,233.25	4,224.72	11.45	11.57	-115.93	-61.00	-209.50	180.43	157.46	22.96	7.857		
4,300.00	4,290.27	4,299.77	4,291.24	11.67	11.77	-117.32	-61.00	-209.99	182.90	159.52	23.38	7.822		
4,400.00	4,390.04	4,400.43	4,381.04	11.99	12.07	-119.18	-61.00	-210.00	186.08	162.07	24.01	7.751		
4,500.00	4,489.92	4,500.55	4,490.92	12.32	12.38	-120.51	-61.00	-210.00	188.54	163.91	24.63	7.656		
4,600.00	4,589.86	4,600.60	4,590.86	12.64	12.68	-121.35	-61.00	-210.00	190.19	164.94	25.25	7.533		
4,700.00	4,689.85	4,700.61	4,690.85	12.95	12.99	-121.73	-61.00	-210.00	190.95	165.08	25.87	7.381		
4,733.48	4,723.33	4,732.87	4,724.33	13.05	13.09	-180.00	-61.00	-210.00	191.00	164.93	26.07	7.325		
4,800.00	4,789.85	4,800.61	4,790.85	13.26	13.30	-180.00	-61.00	-210.00	191.00	164.51	26.49	7.210		

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

Pro Directional

Anticollision Report

Company: Matador Resources
Project: Eddy County, NM

Reference Site: Stebbins Federal 20 (114-124-134-204)

Site Error: 3.30 usft

Reference Well: No. 204H

Well Error: 1.10 usft

Reference Wellbore: OH

Reference Design: Prelim Plan B

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Output errors are at

Database:

Offset TVD Reference:

Well No. 204H

Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))

Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))

Grid

Minimum Curvature

2.00 sigma

WellPlanner1

Offset Datum

Offset Design Stebbins Federal 20 (114-124-134-204) - No. 124H - OH - Prelim Plan B													Offset Site Error: 3.30 usft
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 7200-MWD+HDGM													Offset Well Error: 1.10 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	
4,900.00	4,889.85	4,900.61	4,890.85	13.57	13.61	-180.00	-61.00	-210.00	191.00	163.89	27.11	7.045	
5,000.00	4,989.85	5,000.61	4,990.85	13.88	13.92	-180.00	-61.00	-210.00	191.00	163.26	27.74	6.886	
5,100.00	5,089.85	5,100.61	5,090.85	14.19	14.24	-180.00	-61.00	-210.00	191.00	162.63	28.37	6.732	
5,200.00	5,189.85	5,200.61	5,190.85	14.51	14.56	-180.00	-61.00	-210.00	191.00	161.99	29.01	6.585	
5,300.00	5,289.85	5,300.61	5,290.85	14.83	14.88	-180.00	-61.00	-210.00	191.00	161.36	29.64	6.443	
5,400.00	5,389.85	5,400.61	5,390.85	15.15	15.20	-180.00	-61.00	-210.00	191.00	160.71	30.29	6.306	
5,500.00	5,489.85	5,500.61	5,490.85	15.47	15.52	-180.00	-61.00	-210.00	191.00	160.07	30.93	6.175	
5,600.00	5,589.85	5,600.61	5,590.85	15.79	15.85	-180.00	-61.00	-210.00	191.00	159.42	31.58	6.048	
5,700.00	5,689.85	5,700.61	5,690.85	16.11	16.17	-180.00	-61.00	-210.00	191.00	158.77	32.23	5.925	
5,800.00	5,789.85	5,800.61	5,790.85	16.44	16.50	-180.00	-61.00	-210.00	191.00	158.11	32.89	5.808	
5,900.00	5,889.85	5,900.61	5,890.85	16.77	16.83	-180.00	-61.00	-210.00	191.00	157.45	33.55	5.694	
6,000.00	5,989.85	6,000.61	5,990.85	17.10	17.16	-180.00	-61.00	-210.00	191.00	156.80	34.20	5.584	
6,100.00	6,089.85	6,100.61	6,090.85	17.42	17.49	-180.00	-61.00	-210.00	191.00	156.13	34.87	5.478	
6,200.00	6,189.85	6,200.61	6,190.85	17.76	17.82	-180.00	-61.00	-210.00	191.00	155.47	35.53	5.376	
6,300.00	6,289.85	6,300.61	6,290.85	18.09	18.16	-180.00	-61.00	-210.00	191.00	154.80	36.20	5.277	
6,400.00	6,389.85	6,400.61	6,390.85	18.42	18.49	-180.00	-61.00	-210.00	191.00	154.14	36.86	5.181	
6,500.00	6,489.85	6,500.61	6,490.85	18.75	18.83	-180.00	-61.00	-210.00	191.00	153.47	37.53	5.089	
6,600.00	6,589.85	6,600.61	6,590.85	19.09	19.16	-180.00	-61.00	-210.00	191.00	152.79	38.21	4.999	
6,700.00	6,689.85	6,700.61	6,690.85	19.42	19.50	-180.00	-61.00	-210.00	191.00	152.12	38.88	4.913	
6,800.00	6,789.85	6,800.61	6,790.85	19.76	19.84	-180.00	-61.00	-210.00	191.00	151.45	39.55	4.829	
6,900.00	6,889.85	6,900.61	6,890.85	20.10	20.17	-180.00	-61.00	-210.00	191.00	150.77	40.23	4.748	
7,000.00	6,989.85	7,000.61	6,990.85	20.43	20.51	-180.00	-61.00	-210.00	191.00	150.09	40.91	4.669	
7,100.00	7,089.85	7,100.61	7,090.85	20.77	20.85	-180.00	-61.00	-210.00	191.00	149.42	41.58	4.593	
7,103.38	7,093.23	7,102.76	7,094.23	20.78	20.86	-180.00	-61.00	-210.00	191.00	149.40	41.60	4.591	
7,200.00	7,189.85	7,199.21	7,190.60	21.11	21.09	179.25	-61.00	-207.49	191.02	148.86	42.16	4.531	
7,300.00	7,289.85	7,295.80	7,285.56	21.45	21.16	174.15	-61.02	-190.42	192.09	149.56	42.53	4.517 SF	
7,400.00	7,389.85	7,384.44	7,369.05	21.79	21.13	165.59	-61.04	-160.92	198.44	155.87	42.57	4.661	
7,500.00	7,489.85	7,462.47	7,438.02	22.13	21.12	155.91	-61.07	-124.58	215.86	173.87	41.98	5.141	
7,600.00	7,589.85	7,529.31	7,492.72	22.47	21.13	147.07	-61.10	-86.23	247.93	207.34	40.58	6.109	
7,700.00	7,689.85	7,585.76	7,535.19	22.82	21.16	139.90	-61.13	-49.06	294.39	255.66	38.72	7.602	
7,800.00	7,789.85	7,633.21	7,567.90	23.16	21.22	134.39	-61.16	-14.72	352.68	315.82	36.86	9.568	
7,900.00	7,889.85	7,673.12	7,593.15	23.50	21.29	130.21	-61.18	16.19	419.93	384.68	35.25	11.914	
8,000.00	7,989.85	7,700.00	7,608.90	23.85	21.34	127.64	-61.20	37.96	493.89	460.18	33.71	14.652	
8,100.00	8,089.85	7,735.57	7,628.16	24.19	21.45	124.54	-61.22	67.86	572.59	539.66	32.92	17.391	
8,200.00	8,189.85	7,750.00	7,635.43	24.53	21.49	123.37	-61.23	80.32	655.24	623.36	31.89	20.549	
8,300.00	8,289.85	7,781.43	7,650.18	24.88	21.62	121.02	-61.25	108.07	740.41	708.84	31.57	23.453	
8,400.00	8,389.85	7,800.00	7,658.17	25.22	21.69	119.74	-61.27	124.83	827.96	796.81	31.15	26.580	
8,500.00	8,489.85	7,816.13	7,664.67	25.57	21.77	118.69	-61.28	139.60	917.27	886.42	30.85	29.730	
8,600.00	8,589.85	7,830.42	7,670.08	25.91	21.84	117.80	-61.29	152.83	1,008.00	977.34	30.66	32.878	
8,709.18	8,699.03	7,850.00	7,676.94	26.29	21.94	116.65	-61.30	171.16	1,108.42	1,077.80	30.62	36.205	
8,750.00	8,739.82	7,850.00	7,676.94	26.43	21.94	-3.84	-61.30	171.16	1,145.63	1,115.13	30.50	37.558	
8,800.00	8,789.47	7,850.00	7,676.94	26.50	21.94	-3.25	-61.30	171.16	1,189.86	1,159.83	30.03	39.620	
8,850.00	8,838.44	7,850.00	7,676.94	26.49	21.94	-2.82	-61.30	171.16	1,232.45	1,202.61	29.84	41.306	
8,900.00	8,886.34	7,872.28	7,683.99	26.48	22.08	-3.24	-61.32	192.29	1,272.63	1,242.76	29.87	42.607	
8,950.00	8,932.82	7,881.11	7,686.55	26.47	22.14	-3.19	-61.33	200.74	1,310.93	1,281.19	29.75	44.072	
9,000.00	8,977.52	7,900.00	7,691.60	26.46	22.26	-3.43	-61.34	218.95	1,347.09	1,317.38	29.71	45.341	
9,050.00	9,020.10	7,900.00	7,691.60	26.46	22.26	-3.17	-61.34	218.95	1,380.63	1,351.11	29.51	46.782	
9,100.00	9,060.24	7,900.00	7,691.60	26.47	22.26	-2.96	-61.34	218.95	1,411.89	1,382.55	29.34	48.119	
9,150.00	9,097.63	7,920.56	7,696.41	26.48	22.41	-3.25	-61.36	238.93	1,440.30	1,410.96	29.34	49.098	
9,159.18	9,104.17	7,922.49	7,696.83	26.49	22.42	-3.26	-61.36	240.82	1,445.25	1,415.93	29.32	49.296	

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

Pro Directional

Anticollision Report

Company: Matador Resources
Project: Eddy County, NM

Local Co-ordinate Reference: Well No. 204H
TVD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
MD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))

Reference Site: Stebbins Federal 20 (114-124-134-204)

Site Error: 3.30 usft

Reference Well: No. 204H

Well Error: 1.10 usft

Reference Wellbore: OH

Reference Design: Prelim Plan B

North Reference: Grid

Survey Calculation Method: Minimum Curvature

Output errors are at 2.00 sigma

Database: WellPlanner1

Offset TVD Reference: Offset Datum

Offset Design Stebbins Federal 20 (114-124-134-204) - No. 124H - OH - Prelim Plan B													Offset Site Error:	3.30 usft
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 7200-MWD+HDGM													Offset Well Error:	1.10 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		
9,200.00	9,132.23	7,931.28	7,698.64	26.51	22.49	-2.46	-61.37	249.42	1,466.37	1,437.10	29.28	50.086		
9,250.00	9,164.26	7,950.00	7,702.05	26.55	22.62	-1.84	-61.38	267.83	1,490.42	1,461.13	29.29	50.889		
9,300.00	9,193.49	7,950.00	7,702.05	26.63	22.62	-1.12	-61.38	267.83	1,512.13	1,482.90	29.23	51.735		
9,350.00	9,219.69	7,950.00	7,702.05	26.76	22.62	-0.59	-61.38	267.83	1,531.86	1,502.65	29.22	52.433		
9,400.00	9,242.66	7,978.38	7,706.06	26.92	22.86	-0.48	-61.40	295.92	1,548.58	1,519.25	29.33	52.802		
9,450.00	9,262.24	8,000.00	7,708.19	27.12	23.05	-0.34	-61.42	317.43	1,563.20	1,533.77	29.43	53.111		
9,500.00	9,278.26	8,000.00	7,708.19	27.37	23.05	-0.11	-61.42	317.43	1,575.07	1,545.55	29.52	53.361		
9,550.00	9,290.62	8,016.69	7,709.27	27.67	23.20	-0.03	-61.44	334.09	1,584.38	1,554.72	29.66	53.410		
9,600.00	9,299.21	8,029.78	7,709.78	28.01	23.33	0.02	-61.45	347.16	1,591.04	1,561.20	29.83	53.330		
9,650.00	9,303.97	8,045.57	7,710.00	28.39	23.47	0.03	-61.46	362.96	1,595.00	1,564.97	30.03	53.116		
9,686.54	9,305.00	8,072.13	7,710.00	28.69	23.75	0.02	-61.48	389.51	1,596.01	1,565.83	30.18	52.882		
9,700.00	9,305.00	8,085.59	7,710.00	28.81	23.89	0.02	-61.49	402.98	1,596.01	1,565.77	30.24	52.786		
9,800.00	9,305.00	8,185.59	7,710.00	29.75	25.03	0.02	-61.57	502.98	1,596.01	1,565.31	30.69	51.998		
9,900.00	9,305.00	8,285.59	7,710.00	30.84	26.32	0.02	-61.65	602.98	1,596.01	1,564.78	31.22	51.115		
10,000.00	9,305.00	8,385.59	7,710.00	32.06	27.74	0.02	-61.73	702.98	1,596.01	1,564.18	31.82	50.152		
10,100.00	9,305.00	8,485.59	7,710.00	33.39	29.28	0.02	-61.81	802.98	1,596.01	1,563.52	32.49	49.126		
10,200.00	9,305.00	8,585.59	7,710.00	34.63	30.91	0.02	-61.89	902.98	1,596.01	1,562.79	33.21	48.052		
10,300.00	9,305.00	8,685.59	7,710.00	36.35	32.62	0.02	-61.97	1,002.98	1,596.01	1,562.01	34.00	46.945		
10,400.00	9,305.00	8,785.59	7,710.00	37.96	34.40	0.02	-62.05	1,102.98	1,596.01	1,561.17	34.83	45.817		
10,500.00	9,305.00	8,885.59	7,710.00	39.63	36.25	0.02	-62.13	1,202.98	1,596.01	1,560.29	35.72	44.681		
10,600.00	9,305.00	8,985.59	7,710.00	41.37	38.14	0.01	-62.21	1,302.98	1,596.01	1,559.35	36.65	43.545		
10,700.00	9,305.00	9,085.59	7,710.00	43.15	40.07	0.01	-62.29	1,402.98	1,596.01	1,558.38	37.63	42.418		
10,800.00	9,305.00	9,185.59	7,710.00	44.99	42.05	0.01	-62.37	1,502.98	1,596.01	1,557.37	38.64	41.306		
10,900.00	9,305.00	9,285.59	7,710.00	46.87	44.05	0.01	-62.45	1,602.98	1,596.00	1,556.32	39.69	40.214		
11,000.00	9,305.00	9,385.59	7,710.00	48.78	46.09	0.01	-62.53	1,702.98	1,596.00	1,555.24	40.77	39.147		
11,100.00	9,305.00	9,485.59	7,710.00	50.73	48.15	0.01	-62.61	1,802.98	1,596.00	1,554.12	41.88	38.107		
11,200.00	9,305.00	9,585.59	7,710.00	52.70	50.23	0.01	-62.69	1,902.98	1,596.00	1,552.98	43.02	37.097		
11,300.00	9,305.00	9,685.59	7,710.00	54.70	52.32	0.01	-62.77	2,002.98	1,596.00	1,551.81	44.19	36.117		
11,400.00	9,305.00	9,785.59	7,710.00	56.73	54.44	0.01	-62.85	2,102.98	1,596.00	1,550.62	45.38	35.169		
11,500.00	9,305.00	9,885.59	7,710.00	58.77	56.57	0.01	-62.93	2,202.98	1,596.00	1,549.41	46.59	34.253		
11,600.00	9,305.00	9,985.59	7,710.00	60.84	58.71	0.01	-63.01	2,302.98	1,596.00	1,548.18	47.83	33.370		
11,700.00	9,305.00	10,085.59	7,710.00	62.92	60.87	0.01	-63.09	2,402.98	1,596.00	1,546.92	49.08	32.518		
11,800.00	9,305.00	10,185.59	7,710.00	65.01	63.04	0.01	-63.17	2,502.98	1,596.00	1,545.65	50.35	31.698		
11,900.00	9,305.00	10,285.59	7,710.00	67.12	65.21	0.01	-63.25	2,602.98	1,596.00	1,544.37	51.64	30.908		
12,000.00	9,305.00	10,385.59	7,710.00	69.25	67.40	0.01	-63.33	2,702.98	1,596.00	1,543.06	52.94	30.148		
12,100.00	9,305.00	10,485.59	7,710.00	71.38	69.59	0.01	-63.41	2,802.98	1,596.00	1,541.75	54.25	29.417		
12,200.00	9,305.00	10,585.59	7,710.00	73.53	71.79	0.01	-63.49	2,902.98	1,596.00	1,540.42	55.58	28.714		
12,300.00	9,305.00	10,685.59	7,710.00	75.68	74.00	0.01	-63.57	3,002.98	1,596.00	1,539.08	56.92	28.037		
12,400.00	9,305.00	10,785.59	7,710.00	77.84	76.21	0.01	-63.65	3,102.98	1,596.00	1,537.73	58.28	27.387		
12,500.00	9,305.00	10,885.59	7,710.00	80.01	78.43	0.01	-63.73	3,202.98	1,596.00	1,536.36	59.64	26.761		
12,600.00	9,305.00	10,985.59	7,710.00	82.19	80.65	0.01	-63.81	3,302.98	1,596.00	1,534.99	61.01	26.159		
12,700.00	9,305.00	11,085.59	7,710.00	84.37	82.88	0.01	-63.89	3,402.98	1,596.00	1,533.61	62.39	25.580		
12,800.00	9,305.00	11,185.59	7,710.00	86.57	85.11	0.01	-63.97	3,502.98	1,596.00	1,532.22	63.78	25.022		
12,900.00	9,305.00	11,285.59	7,710.00	88.76	87.34	0.01	-64.05	3,602.98	1,596.00	1,530.82	65.18	24.485		
13,000.00	9,305.00	11,385.59	7,710.00	90.97	89.58	0.00	-64.13	3,702.98	1,596.00	1,529.41	66.59	23.968		
13,100.00	9,305.00	11,485.59	7,710.00	93.17	91.82	0.00	-64.21	3,802.98	1,596.00	1,528.00	68.00	23.470		
13,200.00	9,305.00	11,585.59	7,710.00	95.38	94.07	0.00	-64.29	3,902.98	1,596.00	1,526.58	69.42	22.990		
13,300.00	9,305.00	11,685.59	7,710.00	97.60	96.32	0.00	-64.37	4,002.98	1,596.00	1,525.15	70.85	22.527		
13,400.00	9,305.00	11,785.59	7,710.00	99.82	98.57	0.00	-64.45	4,102.98	1,596.00	1,523.72	72.28	22.081		
13,500.00	9,305.00	11,885.59	7,710.00	102.05	100.82	0.00	-64.53	4,202.98	1,596.00	1,522.28	73.72	21.651		
13,600.00	9,305.00	11,985.59	7,710.00	104.27	103.08	0.00	-64.61	4,302.98	1,596.00	1,520.84	75.16	21.235		

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

Pro Directional

Anticollision Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM	TVD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Reference Site:	Stebbins Federal 20 (114-124-134-204)	MD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Site Error:	3.30 usft	North Reference:	Grid
Reference Well:	No. 204H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.10 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	WellPlanner1
Reference Design:	Prelim Plan B	Offset TVD Reference:	Offset Datum

Offset Design Stebbins Federal 20 (114-124-134-204) - No. 124H - OH - Prelim Plan B													Offset Site Error:	3.30 usft
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 7200-MWD+HDGM													Offset Well Error:	1.10 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		
13,700.00	9,305.00	12,085.59	7,710.00	106.51	105.34	0.00	-64.69	4,402.98	1,596.00	1,519.39	76.61	20.834		
13,800.00	9,305.00	12,185.59	7,710.00	108.74	107.60	0.00	-64.77	4,502.98	1,596.00	1,517.94	78.06	20.446		
13,900.00	9,305.00	12,285.59	7,710.00	110.98	109.86	0.00	-64.85	4,602.98	1,596.00	1,516.48	79.52	20.071		
14,000.00	9,305.00	12,385.59	7,710.00	113.22	112.12	0.00	-64.93	4,702.98	1,596.00	1,515.02	80.98	19.709		
14,087.03	9,305.00	12,472.62	7,710.00	115.17	114.09	0.00	-65.00	4,790.00	1,596.00	1,513.75	82.25	19.404		
14,088.00	9,305.00	12,473.59	7,710.00	115.19	114.12	0.00	-65.00	4,790.97	1,596.00	1,513.74	82.26	19.401		

Pro Directional

Anticollision Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM	TVD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Reference Site:	Stebbins Federal 20 (114-124-134-204)	MD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Site Error:	3.30 usft	North Reference:	Grid
Reference Well:	No. 204H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.10 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	WellPlanner1
Reference Design:	Prelim Plan B	Offset TVD Reference:	Offset Datum

Offset Design Stebbins Federal 20 (114-124-134-204) - No. 134H - OH - Prelim Plan B													Offset Site Error:	3.30 usft
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 8400-MWD+HDGM													Offset Well Error:	1.10 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.00	0.00	1.00	1.00	1.10	1.10	180.00	-30.00	0.00	30.00					
100.00	100.00	101.00	101.00	1.11	1.11	180.00	-30.00	0.00	30.00	27.78	2.22	13.543		
200.00	200.00	201.00	201.00	1.20	1.20	180.00	-30.00	0.00	30.00	27.59	2.41	12.467		
300.00	300.00	301.00	301.00	1.39	1.39	180.00	-30.00	0.00	30.00	27.22	2.78	10.809		
400.00	400.00	401.00	401.00	1.63	1.63	180.00	-30.00	0.00	30.00	26.74	3.26	9.196		
500.00	500.00	501.00	501.00	1.91	1.91	180.00	-30.00	0.00	30.00	26.18	3.82	7.848		
600.00	600.00	601.00	601.00	2.21	2.21	180.00	-30.00	0.00	30.00	25.57	4.43	6.775		
700.00	700.00	701.00	701.00	2.53	2.53	180.00	-30.00	0.00	30.00	24.94	5.06	5.926		
800.00	800.00	801.00	801.00	2.86	2.86	180.00	-30.00	0.00	30.00	24.28	5.72	5.248		
900.00	900.00	901.00	901.00	3.19	3.19	180.00	-30.00	0.00	30.00	23.62	6.38	4.699		
1,000.00	1,000.00	1,001.00	1,001.00	3.53	3.53	180.00	-30.00	0.00	30.00	22.94	7.06	4.248		
1,100.00	1,100.00	1,101.00	1,101.00	3.87	3.87	180.00	-30.00	0.00	30.00	22.25	7.75	3.873		
1,200.00	1,200.00	1,201.00	1,201.00	4.22	4.22	180.00	-30.00	0.00	30.00	21.56	8.44	3.556		
1,300.00	1,300.00	1,301.00	1,301.00	4.56	4.57	180.00	-30.00	0.00	30.00	20.87	9.13	3.286		
1,400.00	1,400.00	1,401.00	1,401.00	4.91	4.91	-180.00	-30.00	0.00	30.00	20.17	9.83	3.053		
1,400.93	1,400.93	1,401.93	1,401.93	4.92	4.92	-121.76	-30.00	0.00	30.00	20.17	9.83	3.051 CC		
1,500.00	1,499.99	1,501.13	1,501.13	5.26	5.26	-121.53	-29.77	-0.86	30.23	19.72	10.52	2.875 ES		
1,600.00	1,599.96	1,601.26	1,601.22	5.43	5.43	-120.92	-29.10	-3.42	30.95	20.08	10.86	2.849		
1,700.00	1,699.86	1,701.38	1,701.24	5.46	5.45	-119.99	-27.99	-7.67	32.14	21.23	10.91	2.946		
1,800.00	1,799.68	1,801.49	1,801.16	5.51	5.50	-118.81	-26.44	-13.60	33.83	22.82	11.01	3.073		
1,900.00	1,899.37	1,901.58	1,900.94	5.58	5.58	-117.46	-24.44	-21.22	36.02	24.87	11.16	3.229		
2,000.00	1,998.99	2,001.54	2,000.52	5.68	5.68	-116.21	-22.23	-29.65	38.48	27.13	11.35	3.389		
2,100.00	2,098.60	2,101.51	2,100.11	5.80	5.80	-115.11	-20.03	-38.08	40.95	29.36	11.60	3.531		
2,200.00	2,198.22	2,201.47	2,199.69	5.94	5.94	-114.13	-17.82	-46.51	43.44	31.56	11.88	3.656		
2,300.00	2,297.84	2,301.44	2,299.28	6.11	6.11	-113.26	-15.61	-54.94	45.94	33.73	12.21	3.763		
2,400.00	2,397.46	2,401.41	2,398.86	6.29	6.29	-112.49	-13.40	-63.37	48.45	35.88	12.57	3.854		
2,500.00	2,497.08	2,501.37	2,498.45	6.49	6.49	-111.78	-11.20	-71.79	50.96	38.00	12.97	3.930		
2,600.00	2,596.70	2,601.34	2,598.04	6.70	6.70	-111.15	-8.99	-80.22	53.49	40.09	13.39	3.993		
2,700.00	2,696.32	2,701.31	2,697.62	6.93	6.93	-110.57	-6.78	-88.65	56.02	42.17	13.85	4.044		
2,800.00	2,795.94	2,801.27	2,797.21	7.17	7.17	-110.04	-4.57	-97.08	58.55	44.22	14.33	4.086		
2,900.00	2,895.56	2,901.24	2,896.80	7.42	7.42	-109.55	-2.37	-105.51	61.09	46.25	14.83	4.118		
3,000.00	2,995.18	3,001.21	2,996.38	7.68	7.69	-109.11	-0.16	-113.94	63.63	48.27	15.36	4.144		
3,100.00	3,094.80	3,101.17	3,095.97	7.95	7.96	-108.69	2.05	-122.36	66.18	50.28	15.90	4.162		
3,200.00	3,194.42	3,201.14	3,195.55	8.23	8.24	-108.31	4.26	-130.79	68.73	52.27	16.46	4.176		
3,300.00	3,294.04	3,301.11	3,295.14	8.52	8.53	-107.96	6.46	-139.22	71.28	54.25	17.03	4.185		
3,400.00	3,393.66	3,401.07	3,394.73	8.81	8.82	-107.63	8.67	-147.65	73.83	56.22	17.62	4.191		
3,500.00	3,493.28	3,501.04	3,494.31	9.11	9.12	-107.32	10.88	-156.08	76.39	58.17	18.22	4.193		
3,600.00	3,592.90	3,601.01	3,593.90	9.41	9.43	-107.03	13.09	-164.51	78.95	60.12	18.83	4.193		
3,700.00	3,692.52	3,700.97	3,693.48	9.72	9.74	-106.76	15.29	-172.93	81.51	62.06	19.45	4.191		
3,800.00	3,792.14	3,800.94	3,793.07	10.04	10.05	-106.51	17.50	-181.36	84.07	64.00	20.08	4.187		
3,900.00	3,891.76	3,900.91	3,892.66	10.36	10.37	-106.28	19.70	-189.78	86.64	65.92	20.72	4.182		
4,000.00	3,991.37	4,000.89	3,992.34	10.68	10.69	-106.73	21.65	-197.19	89.19	67.83	21.36	4.176		
4,100.00	4,090.99	4,100.81	4,092.09	11.01	11.01	-108.25	23.15	-202.92	91.77	69.77	22.00	4.172		
4,200.00	4,190.61	4,200.62	4,191.82	11.33	11.32	-110.73	24.20	-206.96	94.51	71.87	22.64	4.175		
4,233.48	4,223.97	4,234.01	4,225.18	11.45	11.43	-111.76	24.46	-207.93	95.50	72.65	22.85	4.180		
4,300.00	4,290.27	4,300.29	4,291.45	11.67	11.63	-113.89	24.82	-209.31	97.46	74.19	23.27	4.189		
4,400.00	4,390.04	4,400.12	4,391.04	11.99	11.93	-117.00	25.00	-210.00	100.23	76.35	23.88	4.198		
4,500.00	4,489.92	4,500.24	4,490.92	12.32	12.23	-119.48	25.00	-210.00	102.58	78.09	24.49	4.189		
4,600.00	4,589.86	4,600.29	4,590.86	12.64	12.53	-121.03	25.00	-210.00	104.19	79.09	25.10	4.151		
4,700.00	4,689.85	4,700.31	4,690.85	12.95	12.84	-121.71	25.00	-210.00	104.95	79.23	25.72	4.081		
4,733.48	4,723.33	4,733.18	4,724.33	13.05	12.94	-180.00	25.00	-210.00	105.00	79.08	25.92	4.051		

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

Pro Directional

Anticollision Report

Company: Matador Resources
Project: Eddy County, NM
Reference Site: Stebbins Federal 20 (114-124-134-204)
Site Error: 3.30 usft
Reference Well: No. 204H
Well Error: 1.10 usft
Reference Wellbore: OH
Reference Design: Prelim Plan B

Local Co-ordinate Reference: Well No. 204H
TVD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
MD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: WellPlanner1
Offset TVD Reference: Offset Datum

Offset Design Stebbins Federal 20 (114-124-134-204) - No. 134H - OH - Prelim Plan B													Offset Site Error:	3.30 usft
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 8400-MWD+HDGM													Offset Well Error:	1.10 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		
4,800.00	4,789.85	4,800.31	4,790.65	13.26	13.14	-180.00	25.00	-210.00	105.00	78.67	26.33	3.987		
4,900.00	4,889.85	4,900.31	4,890.65	13.57	13.45	-180.00	25.00	-210.00	105.00	78.05	26.95	3.896		
5,000.00	4,889.85	5,000.31	4,990.65	13.88	13.76	-180.00	25.00	-210.00	105.00	77.42	27.58	3.807		
5,100.00	5,089.85	5,100.31	5,090.65	14.19	14.08	-180.00	25.00	-210.00	105.00	76.79	28.21	3.722		
5,200.00	5,189.85	5,200.31	5,190.65	14.51	14.39	-180.00	25.00	-210.00	105.00	76.16	28.84	3.641		
5,300.00	5,289.85	5,300.31	5,290.65	14.83	14.71	-180.00	25.00	-210.00	105.00	75.52	29.48	3.562		
5,400.00	5,389.85	5,400.31	5,390.65	15.15	15.03	-180.00	25.00	-210.00	105.00	74.88	30.12	3.486		
5,500.00	5,489.85	5,500.31	5,490.65	15.47	15.35	-180.00	25.00	-210.00	105.00	74.24	30.76	3.413		
5,600.00	5,589.85	5,600.31	5,590.65	15.79	15.68	-180.00	25.00	-210.00	105.00	73.59	31.41	3.343		
5,700.00	5,689.85	5,700.31	5,690.65	16.11	16.00	-180.00	25.00	-210.00	105.00	72.94	32.06	3.275		
5,800.00	5,789.85	5,800.31	5,790.65	16.44	16.33	-180.00	25.00	-210.00	105.00	72.29	32.71	3.210		
5,900.00	5,889.85	5,900.31	5,890.65	16.77	16.66	-180.00	25.00	-210.00	105.00	71.63	33.37	3.147		
6,000.00	5,989.85	6,000.31	5,990.65	17.10	16.98	-180.00	25.00	-210.00	105.00	70.97	34.03	3.086		
6,100.00	6,089.85	6,100.31	6,090.65	17.42	17.31	-180.00	25.00	-210.00	105.00	70.31	34.69	3.027		
6,200.00	6,189.85	6,200.31	6,190.65	17.76	17.65	-180.00	25.00	-210.00	105.00	69.65	35.35	2.970		
6,300.00	6,289.85	6,300.31	6,290.65	18.09	17.98	-180.00	25.00	-210.00	105.00	68.99	36.01	2.916		
6,400.00	6,389.85	6,400.31	6,390.65	18.42	18.31	-180.00	25.00	-210.00	105.00	68.32	36.68	2.863		
6,500.00	6,489.85	6,500.31	6,490.65	18.75	18.64	-180.00	25.00	-210.00	105.00	67.65	37.35	2.811		
6,600.00	6,589.85	6,600.31	6,590.65	19.09	18.98	-180.00	25.00	-210.00	105.00	66.98	38.02	2.762		
6,700.00	6,689.85	6,700.31	6,690.65	19.42	19.31	-180.00	25.00	-210.00	105.00	66.31	38.69	2.714		
6,800.00	6,789.85	6,800.31	6,790.65	19.76	19.65	-180.00	25.00	-210.00	105.00	65.63	39.37	2.667		
6,900.00	6,889.85	6,900.31	6,890.65	20.10	19.99	-180.00	25.00	-210.00	105.00	64.96	40.04	2.622		
7,000.00	6,989.85	7,000.31	6,990.65	20.43	20.33	-180.00	25.00	-210.00	105.00	64.28	40.72	2.579		
7,100.00	7,089.85	7,100.31	7,090.65	20.77	20.67	-180.00	25.00	-210.00	105.00	63.61	41.39	2.537		
7,200.00	7,189.85	7,200.31	7,190.65	21.11	21.00	-180.00	25.00	-210.00	105.00	62.93	42.07	2.496		
7,300.00	7,289.85	7,300.31	7,290.65	21.45	21.34	-180.00	25.00	-210.00	105.00	62.25	42.75	2.456		
7,400.00	7,389.85	7,400.31	7,390.65	21.79	21.69	-180.00	25.00	-210.00	105.00	61.56	43.44	2.417		
7,500.00	7,489.85	7,500.31	7,490.65	22.13	22.03	-180.00	25.00	-210.00	105.00	60.88	44.12	2.380		
7,600.00	7,589.85	7,600.31	7,590.65	22.47	22.37	-180.00	25.00	-210.00	105.00	60.20	44.80	2.344		
7,700.00	7,689.85	7,700.31	7,690.65	22.82	22.71	-180.00	25.00	-210.00	105.00	59.51	45.49	2.308		
7,800.00	7,789.85	7,800.31	7,790.65	23.16	23.05	-180.00	25.00	-210.00	105.00	58.83	46.17	2.274		
7,900.00	7,889.85	7,900.31	7,890.65	23.50	23.40	-180.00	25.00	-210.00	105.00	58.14	46.86	2.241		
8,000.00	7,989.85	8,000.31	7,990.65	23.85	23.74	-180.00	25.00	-210.00	105.00	57.45	47.55	2.208		
8,100.00	8,089.85	8,100.31	8,090.65	24.19	24.08	-180.00	25.00	-210.00	105.00	56.76	48.24	2.177		
8,200.00	8,189.85	8,200.31	8,190.65	24.53	24.43	-180.00	25.00	-210.00	105.00	56.08	48.92	2.146		
8,300.00	8,289.85	8,300.31	8,290.65	24.88	24.77	-180.00	25.00	-210.00	105.00	55.39	49.61	2.116		
8,400.00	8,389.85	8,400.31	8,390.65	25.22	24.95	-180.00	25.00	-210.00	105.00	54.87	50.13	2.094		
8,407.74	8,397.59	8,407.44	8,398.59	25.25	24.95	-180.00	25.00	-210.00	105.00	54.84	50.16	2.093		
8,500.00	8,489.85	8,498.75	8,489.91	25.57	24.95	179.81	24.91	-209.65	105.09	54.62	50.48	2.082 SF		
8,600.00	8,589.85	8,592.83	8,583.23	25.91	24.95	174.17	22.15	-198.98	108.68	58.01	50.67	2.145		
8,709.18	8,699.03	8,688.78	8,675.24	26.29	24.93	162.12	15.44	-173.04	122.90	72.65	50.25	2.446		
8,750.00	8,739.82	8,722.46	8,706.30	26.43	24.93	35.84	12.19	-160.45	131.26	81.45	49.80	2.635		
8,800.00	8,789.47	8,762.88	8,742.49	26.50	24.92	30.37	7.68	-143.04	141.66	92.78	48.87	2.898		
8,850.00	8,838.44	8,802.45	8,776.61	26.49	24.92	25.61	2.67	-123.64	151.99	104.23	47.76	3.182		
8,900.00	8,886.34	8,841.25	8,808.65	26.48	24.93	21.43	-2.81	-102.46	162.07	115.57	46.50	3.485		
8,950.00	8,932.82	8,879.35	8,838.58	26.47	24.94	17.70	-8.71	-79.66	171.77	126.65	45.12	3.807		
9,000.00	8,977.52	8,916.80	8,866.43	26.46	24.96	14.34	-14.98	-55.42	180.97	137.32	43.65	4.146		
9,050.00	9,020.10	8,954.93	8,893.06	26.46	25.00	11.13	-21.60	-28.96	189.50	147.26	42.24	4.486		
9,100.00	9,060.24	8,992.83	8,917.77	26.47	25.05	7.92	-27.80	-0.91	197.04	156.23	40.81	4.828		
9,150.00	9,097.63	9,029.85	8,940.13	26.48	25.11	4.74	-33.40	28.06	203.71	164.36	39.35	5.177		

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

Pro Directional Anticollision Report

Company: Matador Resources
Project: Eddy County, NM
Reference Site: Stebbins Federal 20 (114-124-134-204)
Site Error: 3.30 usft
Reference Well: No. 204H
Well Error: 1.10 usft
Reference Wellbore: OH
Reference Design: Prelim Plan B

Local Co-ordinate Reference: Well No. 204H
TVD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
MD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: WellPlanner1
Offset TVD Reference: Offset Datum

Offset Design Stebbins Federal 20 (114-124-134-204) - No. 134H - OH - Prelim Plan B														Offset Site Error:	3.30 usft
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 8400-MWD+HDGM														Offset Well Error:	1.10 usft
Reference		Offset		Semi Major Axis		Distance		Minimum Separation		Separation Factor		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	Warning		
9,159.18	9,104.17	9,036.56	8,943.98	26.49	25.13	4.16	-34.37	33.46	204.86	165.77	39.08	5.242			
9,200.00	9,132.23	9,066.20	8,960.26	26.51	25.20	3.83	-38.45	57.88	210.03	172.09	37.94	5.536			
9,250.00	9,164.26	9,100.00	8,977.31	26.55	25.29	3.46	-42.73	86.75	216.61	180.10	36.51	5.933			
9,300.00	9,193.49	9,138.04	8,994.48	26.63	25.43	2.76	-47.04	120.42	223.19	187.59	35.60	6.270			
9,350.00	9,219.69	9,173.64	9,008.55	26.76	25.59	2.21	-50.58	152.91	229.56	194.85	34.71	6.614			
9,400.00	9,242.66	9,209.06	9,020.58	26.92	25.76	1.70	-53.61	186.08	235.53	201.52	34.02	6.924			
9,450.00	9,262.24	9,244.33	9,030.56	27.12	25.95	1.25	-56.13	219.82	240.96	207.44	33.52	7.188			
9,500.00	9,278.26	9,279.48	9,038.49	27.37	26.18	0.86	-58.14	254.00	245.71	212.49	33.23	7.395			
9,550.00	9,290.62	9,314.54	9,044.35	27.67	26.42	0.55	-59.63	288.52	249.71	216.59	33.12	7.539			
9,600.00	9,299.21	9,350.00	9,048.19	28.01	26.69	0.29	-60.62	323.76	252.87	219.67	33.20	7.617			
9,650.00	9,303.97	9,384.42	9,049.88	28.39	26.97	0.12	-61.08	358.13	255.14	221.70	33.44	7.629			
9,686.54	9,305.00	9,415.81	9,050.00	28.69	27.26	0.04	-61.13	389.51	256.00	222.37	33.64	7.611			
9,700.00	9,305.00	9,429.27	9,050.00	28.81	27.38	0.04	-61.15	402.98	256.00	222.32	33.69	7.599			
9,800.00	9,305.00	9,529.27	9,050.00	29.75	28.38	0.04	-61.23	502.98	256.00	221.91	34.10	7.508			
9,900.00	9,305.00	9,629.27	9,050.00	30.84	29.53	0.04	-61.32	602.98	256.00	221.44	34.57	7.406			
10,000.00	9,305.00	9,729.27	9,050.00	32.06	30.81	0.04	-61.41	702.98	256.00	220.90	35.11	7.292			
10,100.00	9,305.00	9,829.27	9,050.00	33.39	32.20	0.04	-61.50	802.98	256.00	220.30	35.71	7.170			
10,200.00	9,305.00	9,929.27	9,050.00	34.83	33.69	0.04	-61.58	902.98	256.00	219.64	36.36	7.041			
10,300.00	9,305.00	10,029.27	9,050.00	36.35	35.27	0.03	-61.67	1,002.98	256.00	218.93	37.07	6.905			
10,400.00	9,305.00	10,129.27	9,050.00	37.96	36.92	0.03	-61.76	1,102.98	256.00	218.17	37.84	6.766			
10,500.00	9,305.00	10,229.27	9,050.00	39.63	38.65	0.03	-61.85	1,202.98	256.00	217.36	38.65	6.624			
10,600.00	9,305.00	10,329.27	9,050.00	41.37	40.43	0.03	-61.94	1,302.98	256.00	216.50	39.51	6.480			
10,700.00	9,305.00	10,429.27	9,050.00	43.15	42.26	0.03	-62.02	1,402.98	256.00	215.60	40.41	6.336			
10,800.00	9,305.00	10,529.27	9,050.00	44.99	44.14	0.03	-62.11	1,502.98	256.00	214.66	41.35	6.192			
10,900.00	9,305.00	10,629.27	9,050.00	46.87	46.05	0.03	-62.20	1,602.98	256.00	213.68	42.32	6.049			
11,000.00	9,305.00	10,729.27	9,050.00	48.78	48.00	0.03	-62.29	1,702.98	256.00	212.67	43.34	5.907			
11,100.00	9,305.00	10,829.27	9,050.00	50.73	49.98	0.03	-62.38	1,802.98	256.00	211.62	44.38	5.768			
11,200.00	9,305.00	10,929.27	9,050.00	52.70	51.99	0.03	-62.46	1,902.98	256.00	210.55	45.46	5.632			
11,300.00	9,305.00	11,029.27	9,050.00	54.70	54.02	0.03	-62.55	2,002.98	256.00	209.44	46.56	5.498			
11,400.00	9,305.00	11,129.27	9,050.00	56.73	56.08	0.02	-62.64	2,102.98	256.00	208.31	47.69	5.368			
11,500.00	9,305.00	11,229.27	9,050.00	58.77	58.15	0.02	-62.73	2,202.98	256.00	207.16	48.84	5.241			
11,600.00	9,305.00	11,329.27	9,050.00	60.84	60.24	0.02	-62.81	2,302.98	256.00	205.98	50.02	5.118			
11,700.00	9,305.00	11,429.27	9,050.00	62.92	62.34	0.02	-62.90	2,402.98	256.00	204.79	51.22	4.999			
11,800.00	9,305.00	11,529.27	9,050.00	65.01	64.46	0.02	-62.99	2,502.98	256.00	203.57	52.43	4.882			
11,900.00	9,305.00	11,629.27	9,050.00	67.12	66.59	0.02	-63.08	2,602.98	256.00	202.33	53.67	4.770			
12,000.00	9,305.00	11,729.27	9,050.00	69.25	68.73	0.02	-63.17	2,702.98	256.00	201.08	54.92	4.661			
12,100.00	9,305.00	11,829.27	9,050.00	71.38	70.88	0.02	-63.25	2,802.98	256.00	199.81	56.19	4.556			
12,200.00	9,305.00	11,929.27	9,050.00	73.53	73.05	0.02	-63.34	2,902.98	256.00	198.53	57.47	4.454			
12,300.00	9,305.00	12,029.27	9,050.00	75.68	75.22	0.02	-63.43	3,002.98	256.00	197.23	58.77	4.356			
12,400.00	9,305.00	12,129.27	9,050.00	77.84	77.39	0.02	-63.52	3,102.98	256.00	195.92	60.08	4.261			
12,500.00	9,305.00	12,229.27	9,050.00	80.01	79.58	0.01	-63.61	3,202.98	256.00	194.60	61.40	4.169			
12,600.00	9,305.00	12,329.27	9,050.00	82.19	81.77	0.01	-63.69	3,302.98	256.00	193.27	62.74	4.081			
12,700.00	9,305.00	12,429.27	9,050.00	84.37	83.97	0.01	-63.78	3,402.98	256.00	191.92	64.08	3.995			
12,800.00	9,305.00	12,529.27	9,050.00	86.57	86.17	0.01	-63.87	3,502.98	256.00	190.57	65.43	3.912			
12,900.00	9,305.00	12,629.27	9,050.00	88.76	88.38	0.01	-63.96	3,602.97	256.00	189.20	66.80	3.832			
13,000.00	9,305.00	12,729.27	9,050.00	90.97	90.60	0.01	-64.04	3,702.97	256.00	187.83	68.17	3.755			
13,100.00	9,305.00	12,829.27	9,050.00	93.17	92.82	0.01	-64.13	3,802.97	256.00	186.45	69.55	3.681			
13,200.00	9,305.00	12,929.27	9,050.00	95.38	95.04	0.01	-64.22	3,902.97	256.00	185.06	70.94	3.609			
13,300.00	9,305.00	13,029.27	9,050.00	97.60	97.26	0.01	-64.31	4,002.97	256.00	183.66	72.34	3.539			
13,400.00	9,305.00	13,129.27	9,050.00	99.82	99.49	0.01	-64.40	4,102.97	256.00	182.26	73.74	3.472			
13,500.00	9,305.00	13,229.27	9,050.00	102.05	101.73	0.01	-64.48	4,202.97	256.00	180.85	75.15	3.407			

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

Pro Directional

Anticollision Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM	TVD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Reference Site:	Stebbins Federal 20 (114-124-134-204)	MD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Site Error:	3.30 usft	North Reference:	Grid
Reference Well:	No. 204H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.10 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	WellPlanner1
Reference Design:	Prelim Plan B	Offset TVD Reference:	Offset Datum

Offset Design Stebbins Federal 20 (114-124-134-204) - No. 134H - OH - Prelim Plan B												Offset Site Error:	3.30 usft
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 8400-MWD+HDGM												Offset Well Error:	1.10 usft
Reference	Offset	Semi Major Axis		Distance									
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	Warning
13,600.00	9,305.00	13,329.27	9,050.00	104.27	103.96	0.00	-64.57	4,302.97	256.00	179.43	76.57	3.344	
13,700.00	9,305.00	13,429.27	9,050.00	106.51	106.20	0.00	-64.66	4,402.97	256.00	178.01	77.99	3.283	
13,800.00	9,305.00	13,529.27	9,050.00	108.74	108.45	0.00	-64.75	4,502.97	256.00	176.59	79.42	3.224	
13,900.00	9,305.00	13,629.27	9,050.00	110.98	110.69	0.00	-64.84	4,602.97	256.00	175.15	80.85	3.166	
14,000.00	9,305.00	13,729.27	9,050.00	113.22	112.94	0.00	-64.92	4,702.97	256.00	173.71	82.29	3.111	
14,087.03	9,305.00	13,816.30	9,050.00	115.17	114.90	0.00	-65.00	4,790.00	256.00	172.46	83.54	3.064	
14,088.00	9,305.00	13,817.27	9,050.00	115.19	114.92	0.00	-65.00	4,790.97	256.00	172.45	83.55	3.064	

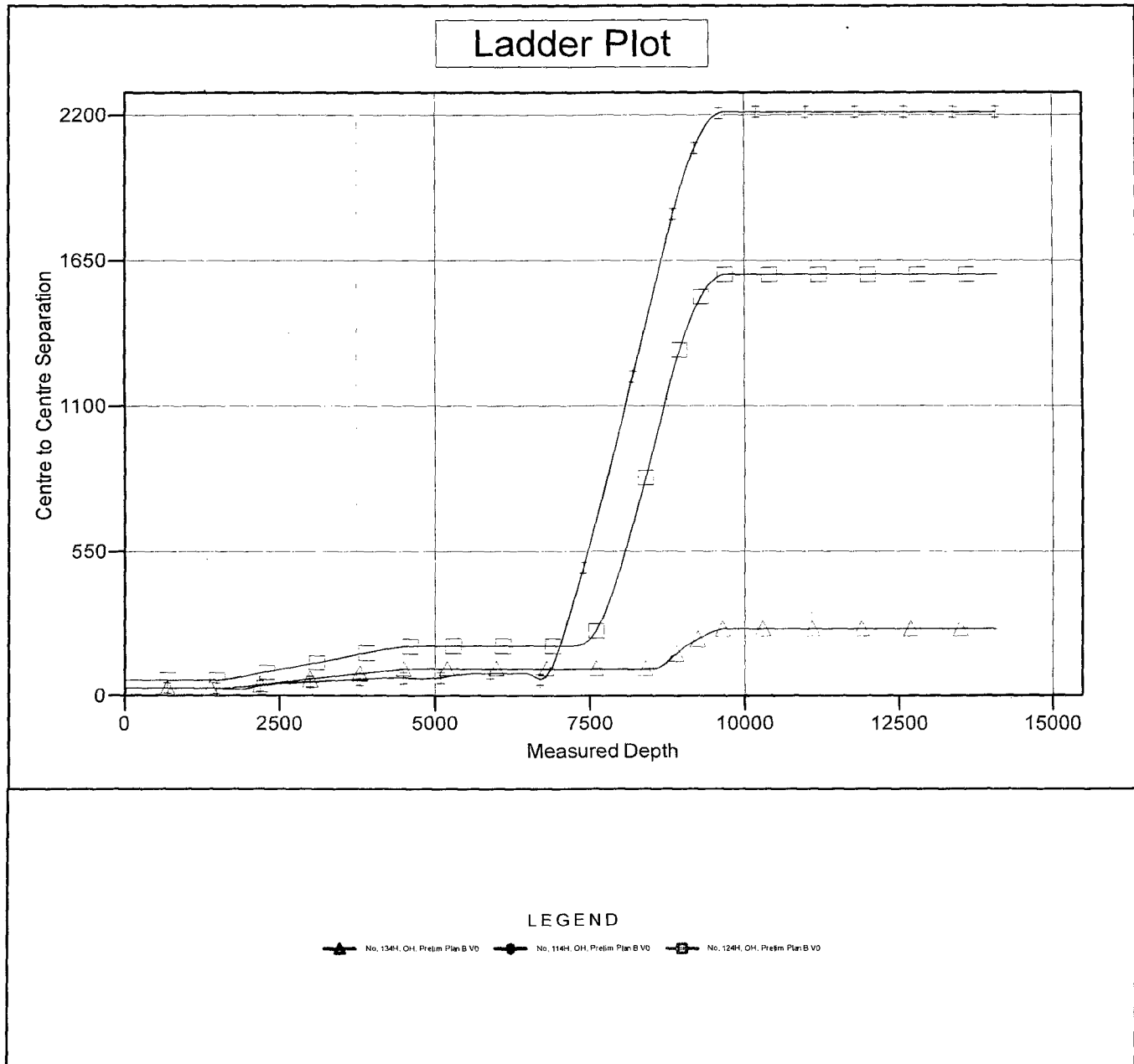
Pro Directional

Anticollision Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM	TVD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Reference Site:	Stebbins Federal 20 (114-124-134-204)	MD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Site Error:	3.30 usft	North Reference:	Grid
Reference Well:	No. 204H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.10 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	WellPlanner1
Reference Design:	Prelim Plan B	Offset TVD Reference:	Offset Datum

Reference Depths are relative to Well @ 3273.50usft (GL: 3245' + KB:
Offset Depths are relative to Offset Datum
Central Meridian is 104° 19' 60.0000 W

Coordinates are relative to: No. 204H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.12°



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

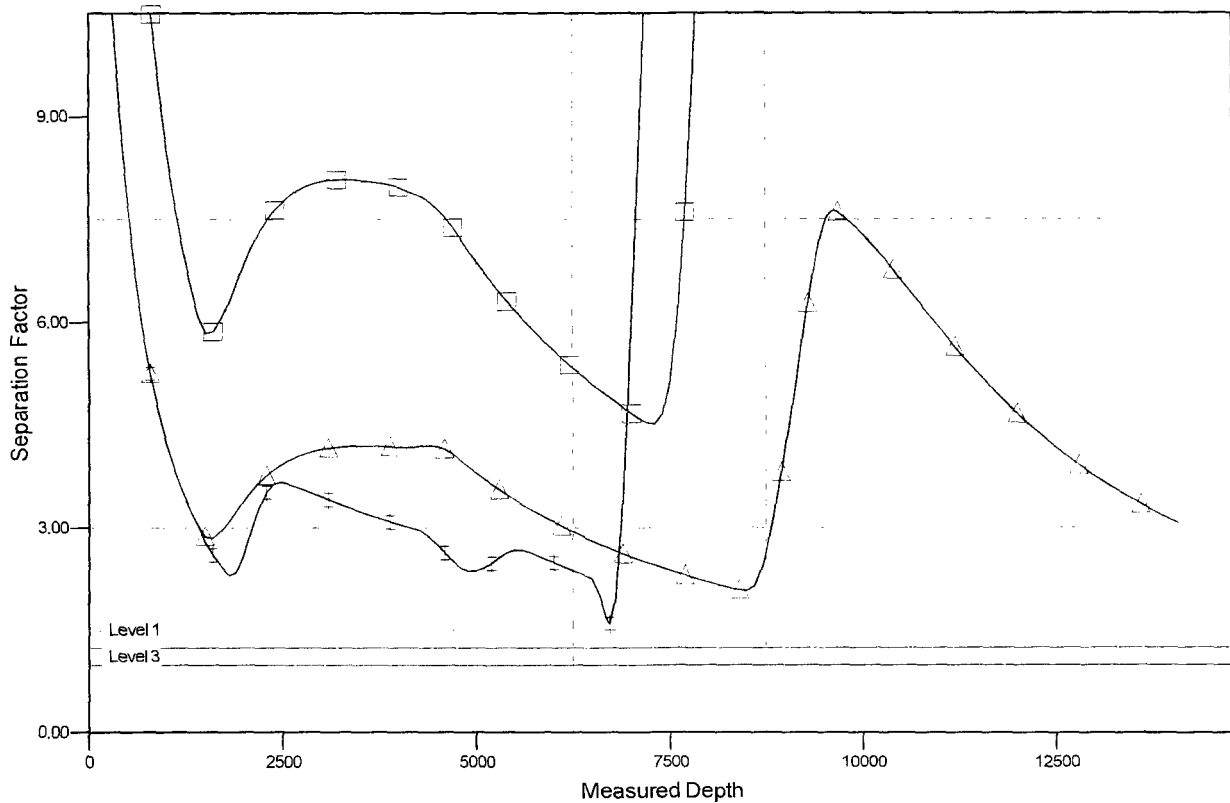
Pro Directional
Anticollision Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM	TVD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Reference Site:	Stebbins Federal 20 (114-124-134-204)	MD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Site Error:	3.30 usft	North Reference:	Grid
Reference Well:	No. 204H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.10 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	WellPlanner1
Reference Design:	Prelim Plan B	Offset TVD Reference:	Offset Datum

Reference Depths are relative to Well @ 3273.50usft (GL: 3245' + KB:
Offset Depths are relative to Offset Datum
Central Meridian is 104° 19' 60.0000 W

Coordinates are relative to: No. 204H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.12°

Separation Factor Plot



LEGEND

▲ No. 134H, OH, Prelim Plan B VO ● No. 114H, OH, Prelim Plan B VO ◻ No. 124H, OH, Prelim Plan B VO

Pro Directional

Survey Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM	TVD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Site:	Stebbins Federal 20 (114-124-134-204)	MD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Well:	No. 204H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Prelim Plan B	Database:	WellPlanner1

Project	Eddy County, NM		
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	Stebbins Federal 20 (114-124-134-204)				
Site Position:		Northing:	564,880.00 usft	Latitude:	32° 33' 9.9165 N
From:	Map	Easting:	570,529.00 usft	Longitude:	104° 6' 15.9587 W
Position Uncertainty:	3.30 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.12 °

Well	No. 204H					
Well Position	+N/-S	0.00 usft	Northing:	564,850.00 usft	Latitude:	32° 33' 9.6197 N
	+E/-W	0.00 usft	Easting:	570,529.00 usft	Longitude:	104° 6' 15.9595 W
Position Uncertainty	1.10 usft		Wellhead Elevation:	0.00 usft	Ground Level:	3,245.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	6/23/2017	7.40	60.42	48,197.60

Design	Prelim Plan B				
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	90.05	

Survey Tool Program	Date	6/23/2017			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	1,500.00	Prelim Plan B (OH)	MWD+HDGM	OWSG MWD + HRGM	
1,500.00	8,800.00	Prelim Plan B (OH)	MWD+HDGM	OWSG MWD + HRGM	
8,800.00	14,087.03	Prelim Plan B (OH)	MWD+HDGM	OWSG MWD + HRGM	

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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

Pro Directional

Survey Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM	TVD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Site:	Stebbins Federal 20 (114-124-134-204)	MD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Well:	No. 204H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Prelim Plan B	Database:	WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	1.00	301.76	1,499.99	0.46	-0.74	-0.74	1.00	1.00	0.00
1,600.00	2.00	301.76	1,599.96	1.84	-2.97	-2.97	1.00	1.00	0.00
1,700.00	3.00	301.76	1,699.86	4.13	-6.68	-6.68	1.00	1.00	0.00
1,800.00	4.00	301.76	1,799.68	7.35	-11.87	-11.87	1.00	1.00	0.00
1,900.00	5.00	301.76	1,899.37	11.48	-18.54	-18.55	1.00	1.00	0.00
2,000.00	5.00	301.76	1,998.99	16.06	-25.95	-25.96	0.00	0.00	0.00
2,100.00	5.00	301.76	2,098.60	20.65	-33.36	-33.38	0.00	0.00	0.00
2,200.00	5.00	301.76	2,198.22	25.24	-40.77	-40.79	0.00	0.00	0.00
2,300.00	5.00	301.76	2,297.84	29.83	-48.18	-48.21	0.00	0.00	0.00
2,400.00	5.00	301.76	2,397.46	34.41	-55.59	-55.62	0.00	0.00	0.00
2,500.00	5.00	301.76	2,497.08	39.00	-63.00	-63.04	0.00	0.00	0.00
2,600.00	5.00	301.76	2,596.70	43.59	-70.41	-70.45	0.00	0.00	0.00
2,700.00	5.00	301.76	2,696.32	48.18	-77.82	-77.86	0.00	0.00	0.00
2,800.00	5.00	301.76	2,795.94	52.76	-85.23	-85.28	0.00	0.00	0.00
2,900.00	5.00	301.76	2,895.56	57.35	-92.64	-92.69	0.00	0.00	0.00
3,000.00	5.00	301.76	2,995.18	61.94	-100.05	-100.11	0.00	0.00	0.00
3,100.00	5.00	301.76	3,094.80	66.53	-107.46	-107.52	0.00	0.00	0.00
3,200.00	5.00	301.76	3,194.42	71.11	-114.88	-114.94	0.00	0.00	0.00
3,300.00	5.00	301.76	3,294.04	75.70	-122.29	-122.35	0.00	0.00	0.00
3,400.00	5.00	301.76	3,393.66	80.29	-129.70	-129.77	0.00	0.00	0.00
3,500.00	5.00	301.76	3,493.28	84.88	-137.11	-137.18	0.00	0.00	0.00
3,600.00	5.00	301.76	3,592.90	89.46	-144.52	-144.60	0.00	0.00	0.00
3,700.00	5.00	301.76	3,692.52	94.05	-151.93	-152.01	0.00	0.00	0.00
3,800.00	5.00	301.76	3,792.14	98.64	-159.34	-159.42	0.00	0.00	0.00
3,900.00	5.00	301.76	3,891.76	103.23	-166.75	-166.84	0.00	0.00	0.00
4,000.00	5.00	301.76	3,991.37	107.81	-174.16	-174.25	0.00	0.00	0.00
4,100.00	5.00	301.76	4,090.99	112.40	-181.57	-181.67	0.00	0.00	0.00
4,200.00	5.00	301.76	4,190.61	116.99	-188.98	-189.08	0.00	0.00	0.00
4,233.48	5.00	301.76	4,223.97	118.52	-191.46	-191.57	0.00	0.00	0.00
4,300.00	4.33	301.76	4,290.27	121.37	-196.06	-196.17	1.00	-1.00	0.00
4,400.00	3.33	301.76	4,390.04	124.89	-201.75	-201.86	1.00	-1.00	0.00
4,500.00	2.33	301.76	4,489.92	127.50	-205.96	-206.07	1.00	-1.00	0.00
4,600.00	1.33	301.76	4,589.86	129.18	-208.68	-208.79	1.00	-1.00	0.00
4,700.00	0.33	301.76	4,689.85	129.95	-209.92	-210.03	1.00	-1.00	0.00

Pro Directional Survey Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM	TVD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Site:	Stebbins Federal 20 (114-124-134-204)	MD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Well:	No. 204H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Prelim Plan B	Database:	WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,733.48	0.00	0.00	4,723.33	130.00	-210.00	-210.11	1.00	-1.00	0.00
4,800.00	0.00	0.00	4,789.85	130.00	-210.00	-210.11	0.00	0.00	0.00
4,900.00	0.00	0.00	4,889.85	130.00	-210.00	-210.11	0.00	0.00	0.00
5,000.00	0.00	0.00	4,989.85	130.00	-210.00	-210.11	0.00	0.00	0.00
5,100.00	0.00	0.00	5,089.85	130.00	-210.00	-210.11	0.00	0.00	0.00
5,200.00	0.00	0.00	5,189.85	130.00	-210.00	-210.11	0.00	0.00	0.00
5,300.00	0.00	0.00	5,289.85	130.00	-210.00	-210.11	0.00	0.00	0.00
5,400.00	0.00	0.00	5,389.85	130.00	-210.00	-210.11	0.00	0.00	0.00
5,500.00	0.00	0.00	5,489.85	130.00	-210.00	-210.11	0.00	0.00	0.00
5,600.00	0.00	0.00	5,589.85	130.00	-210.00	-210.11	0.00	0.00	0.00
5,700.00	0.00	0.00	5,689.85	130.00	-210.00	-210.11	0.00	0.00	0.00
5,800.00	0.00	0.00	5,789.85	130.00	-210.00	-210.11	0.00	0.00	0.00
5,900.00	0.00	0.00	5,889.85	130.00	-210.00	-210.11	0.00	0.00	0.00
6,000.00	0.00	0.00	5,989.85	130.00	-210.00	-210.11	0.00	0.00	0.00
6,100.00	0.00	0.00	6,089.85	130.00	-210.00	-210.11	0.00	0.00	0.00
6,200.00	0.00	0.00	6,189.85	130.00	-210.00	-210.11	0.00	0.00	0.00
6,300.00	0.00	0.00	6,289.85	130.00	-210.00	-210.11	0.00	0.00	0.00
6,400.00	0.00	0.00	6,389.85	130.00	-210.00	-210.11	0.00	0.00	0.00
6,500.00	0.00	0.00	6,489.85	130.00	-210.00	-210.11	0.00	0.00	0.00
6,600.00	0.00	0.00	6,589.85	130.00	-210.00	-210.11	0.00	0.00	0.00
6,700.00	0.00	0.00	6,689.85	130.00	-210.00	-210.11	0.00	0.00	0.00
6,800.00	0.00	0.00	6,789.85	130.00	-210.00	-210.11	0.00	0.00	0.00
6,900.00	0.00	0.00	6,889.85	130.00	-210.00	-210.11	0.00	0.00	0.00
7,000.00	0.00	0.00	6,989.85	130.00	-210.00	-210.11	0.00	0.00	0.00
7,100.00	0.00	0.00	7,089.85	130.00	-210.00	-210.11	0.00	0.00	0.00
7,200.00	0.00	0.00	7,189.85	130.00	-210.00	-210.11	0.00	0.00	0.00
7,300.00	0.00	0.00	7,289.85	130.00	-210.00	-210.11	0.00	0.00	0.00
7,400.00	0.00	0.00	7,389.85	130.00	-210.00	-210.11	0.00	0.00	0.00
7,500.00	0.00	0.00	7,489.85	130.00	-210.00	-210.11	0.00	0.00	0.00
7,600.00	0.00	0.00	7,589.85	130.00	-210.00	-210.11	0.00	0.00	0.00
7,700.00	0.00	0.00	7,689.85	130.00	-210.00	-210.11	0.00	0.00	0.00
7,800.00	0.00	0.00	7,789.85	130.00	-210.00	-210.11	0.00	0.00	0.00
7,900.00	0.00	0.00	7,889.85	130.00	-210.00	-210.11	0.00	0.00	0.00
8,000.00	0.00	0.00	7,989.85	130.00	-210.00	-210.11	0.00	0.00	0.00
8,100.00	0.00	0.00	8,089.85	130.00	-210.00	-210.11	0.00	0.00	0.00
8,200.00	0.00	0.00	8,189.85	130.00	-210.00	-210.11	0.00	0.00	0.00
8,300.00	0.00	0.00	8,289.85	130.00	-210.00	-210.11	0.00	0.00	0.00
8,400.00	0.00	0.00	8,389.85	130.00	-210.00	-210.11	0.00	0.00	0.00
8,500.00	0.00	0.00	8,489.85	130.00	-210.00	-210.11	0.00	0.00	0.00
8,600.00	0.00	0.00	8,589.85	130.00	-210.00	-210.11	0.00	0.00	0.00
8,709.18	0.00	0.00	8,699.03	130.00	-210.00	-210.11	0.00	0.00	0.00
8,750.00	4.08	121.15	8,739.82	129.25	-208.76	-208.87	10.00	10.00	0.00

Pro Directional Survey Report

Company: Matador Resources
Project: Eddy County, NM

Site: Stebbins Federal 20 (114-124-134-204)

Well: No. 204H
Wellbore: OH
Design: Prelim Plan B

Local Co-ordinate Reference: Well No. 204H
TVD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
MD Reference: Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,800.00	9.08	121.15	8,789.47	126.28	-203.85	-203.96	10.00	10.00	0.00
8,850.00	14.08	121.15	8,838.44	121.09	-195.26	-195.37	10.00	10.00	0.00
8,900.00	19.08	121.15	8,886.34	113.71	-183.06	-183.15	10.00	10.00	0.00
8,950.00	24.08	121.15	8,932.82	104.20	-167.32	-167.41	10.00	10.00	0.00
9,000.00	29.08	121.15	8,977.52	92.63	-148.18	-148.26	10.00	10.00	0.00
9,050.00	34.08	121.15	9,020.10	79.09	-125.78	-125.84	10.00	10.00	0.00
9,100.00	39.08	121.15	9,060.24	63.68	-100.28	-100.34	10.00	10.00	0.00
9,150.00	44.08	121.15	9,097.63	46.52	-71.89	-71.93	10.00	10.00	0.00
9,159.18	45.00	121.15	9,104.17	43.19	-66.38	-66.42	10.00	10.00	0.00
9,200.00	48.16	117.59	9,132.23	28.68	-40.54	-40.57	10.00	7.75	-8.71
9,250.00	52.17	113.70	9,164.26	12.10	-5.93	-5.94	10.00	8.01	-7.79
9,300.00	56.29	110.21	9,193.49	-3.03	31.69	31.69	10.00	8.24	-6.98
9,350.00	60.50	107.04	9,219.69	-16.60	72.04	72.05	10.00	8.42	-6.33
9,400.00	64.78	104.13	9,242.66	-28.50	114.80	114.83	10.00	8.56	-5.82
9,450.00	69.12	101.42	9,262.24	-38.65	159.66	159.69	10.00	8.67	-5.42
9,500.00	73.49	98.86	9,278.26	-46.97	206.27	206.31	10.00	8.75	-5.12
9,550.00	77.89	96.41	9,290.62	-53.40	254.27	254.32	10.00	8.81	-4.89
9,600.00	82.32	94.05	9,299.21	-57.88	303.31	303.36	10.00	8.85	-4.73
9,650.00	86.75	91.73	9,303.97	-60.39	353.00	353.05	10.00	8.87	-4.63
9,686.54	90.00	90.05	9,305.00	-60.96	389.51	389.57	10.00	8.88	-4.59
9,700.00	90.00	90.05	9,305.00	-60.97	402.98	403.03	0.00	0.00	0.00
9,800.00	90.00	90.05	9,305.00	-61.06	502.98	503.03	0.00	0.00	0.00
9,900.00	90.00	90.05	9,305.00	-61.15	602.98	603.03	0.00	0.00	0.00
10,000.00	90.00	90.05	9,305.00	-61.24	702.98	703.03	0.00	0.00	0.00
10,100.00	90.00	90.05	9,305.00	-61.34	802.98	803.03	0.00	0.00	0.00
10,200.00	90.00	90.05	9,305.00	-61.43	902.98	903.03	0.00	0.00	0.00
10,300.00	90.00	90.05	9,305.00	-61.52	1,002.98	1,003.03	0.00	0.00	0.00
10,400.00	90.00	90.05	9,305.00	-61.61	1,102.98	1,103.03	0.00	0.00	0.00
10,500.00	90.00	90.05	9,305.00	-61.70	1,202.98	1,203.03	0.00	0.00	0.00
10,600.00	90.00	90.05	9,305.00	-61.79	1,302.98	1,303.03	0.00	0.00	0.00
10,700.00	90.00	90.05	9,305.00	-61.89	1,402.98	1,403.03	0.00	0.00	0.00
10,800.00	90.00	90.05	9,305.00	-61.98	1,502.98	1,503.03	0.00	0.00	0.00
10,900.00	90.00	90.05	9,305.00	-62.07	1,602.98	1,603.03	0.00	0.00	0.00
11,000.00	90.00	90.05	9,305.00	-62.16	1,702.98	1,703.03	0.00	0.00	0.00
11,100.00	90.00	90.05	9,305.00	-62.25	1,802.98	1,803.03	0.00	0.00	0.00
11,200.00	90.00	90.05	9,305.00	-62.35	1,902.98	1,903.03	0.00	0.00	0.00
11,300.00	90.00	90.05	9,305.00	-62.44	2,002.98	2,003.03	0.00	0.00	0.00
11,400.00	90.00	90.05	9,305.00	-62.53	2,102.98	2,103.03	0.00	0.00	0.00
11,500.00	90.00	90.05	9,305.00	-62.62	2,202.98	2,203.03	0.00	0.00	0.00
11,600.00	90.00	90.05	9,305.00	-62.71	2,302.98	2,303.03	0.00	0.00	0.00
11,700.00	90.00	90.05	9,305.00	-62.81	2,402.98	2,403.03	0.00	0.00	0.00
11,800.00	90.00	90.05	9,305.00	-62.90	2,502.98	2,503.03	0.00	0.00	0.00

Pro Directional Survey Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 204H
Project:	Eddy County, NM	TVD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Site:	Stebbins Federal 20 (114-124-134-204)	MD Reference:	Well @ 3273.50usft (GL: 3245' + KB: 28.5' (Patt809))
Well:	No. 204H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Prelim Plan B	Database:	WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,900.00	90.00	90.05	9,305.00	-62.99	2,602.98	2,603.03	0.00	0.00	0.00
12,000.00	90.00	90.05	9,305.00	-63.08	2,702.98	2,703.03	0.00	0.00	0.00
12,100.00	90.00	90.05	9,305.00	-63.17	2,802.98	2,803.03	0.00	0.00	0.00
12,200.00	90.00	90.05	9,305.00	-63.27	2,902.98	2,903.03	0.00	0.00	0.00
12,300.00	90.00	90.05	9,305.00	-63.36	3,002.98	3,003.03	0.00	0.00	0.00
12,400.00	90.00	90.05	9,305.00	-63.45	3,102.98	3,103.03	0.00	0.00	0.00
12,500.00	90.00	90.05	9,305.00	-63.54	3,202.98	3,203.03	0.00	0.00	0.00
12,600.00	90.00	90.05	9,305.00	-63.63	3,302.98	3,303.03	0.00	0.00	0.00
12,700.00	90.00	90.05	9,305.00	-63.73	3,402.98	3,403.03	0.00	0.00	0.00
12,800.00	90.00	90.05	9,305.00	-63.82	3,502.98	3,503.03	0.00	0.00	0.00
12,900.00	90.00	90.05	9,305.00	-63.91	3,602.97	3,603.03	0.00	0.00	0.00
13,000.00	90.00	90.05	9,305.00	-64.00	3,702.97	3,703.03	0.00	0.00	0.00
13,100.00	90.00	90.05	9,305.00	-64.09	3,802.97	3,803.03	0.00	0.00	0.00
13,200.00	90.00	90.05	9,305.00	-64.18	3,902.97	3,903.03	0.00	0.00	0.00
13,300.00	90.00	90.05	9,305.00	-64.28	4,002.97	4,003.03	0.00	0.00	0.00
13,400.00	90.00	90.05	9,305.00	-64.37	4,102.97	4,103.03	0.00	0.00	0.00
13,500.00	90.00	90.05	9,305.00	-64.46	4,202.97	4,203.03	0.00	0.00	0.00
13,600.00	90.00	90.05	9,305.00	-64.55	4,302.97	4,303.03	0.00	0.00	0.00
13,700.00	90.00	90.05	9,305.00	-64.64	4,402.97	4,403.03	0.00	0.00	0.00
13,800.00	90.00	90.05	9,305.00	-64.74	4,502.97	4,503.03	0.00	0.00	0.00
13,900.00	90.00	90.05	9,305.00	-64.83	4,602.97	4,603.03	0.00	0.00	0.00
14,000.00	90.00	90.05	9,305.00	-64.92	4,702.97	4,703.03	0.00	0.00	0.00
14,087.03	90.00	90.05	9,305.00	-65.00	4,790.00	4,790.06	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
[StebFed20#204H]LPP	0.00	0.00	0.00	-65.00	4,700.00	564,785.00	575,229.00	32° 33' 8.8731 N	104° 5' 21.0482 W
- hit/miss target									
- Shape									
- plan misses target center by 4700.45usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
[StebFed20#204H]FPP	0.00	0.00	0.00	-61.00	70.00	564,789.00	570,599.00	32° 33' 9.0145 N	104° 6' 15.1432 W
- hit/miss target									
- Shape									
- plan misses target center by 92.85usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
[StebFed20#204H]BHL	0.00	0.00	9,305.00	-65.00	4,790.00	564,785.00	575,319.00	32° 33' 8.8711 N	104° 5' 19.9967 W
- hit/miss target									
- Shape									
- plan hits target center									
- Point									

Checked By: _____ Approved By: _____ Date: _____