

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WILDCAT Artesia**
*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.
NMNM03677

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 28. Well Name and No.
STEBBINS 20 FED 114H9. API Well No.
30-015-44169-00-X110. Field and Pool or Exploratory Area
WILDCAT11. County or Parish, State
EDDY COUNTY, NM1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
MATADOR PRODUCTION COMPANY
Contact: CASSIE HAHN
E-Mail: chahn@matadorresources.com3a. Address
ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE 1500
DALLAS, TX 75240
3b. Phone No. (include area code)
972-371-5241

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

Sec 20 T20S R29E SWSW 334 FSL 430 FWL
32.552628 N Lat, 104.105362 W Lon

421 FSL 260 FWL

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-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ 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 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.

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 #380572 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 (17PP0644SE)

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 Hague

Title

PETROLEUM ENGINEER

Date

8-4-2017

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

CFO

BUREAU OF LAND MANAGEMENT

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 any statement or representation to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

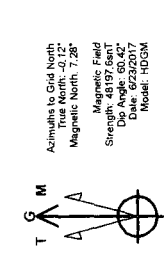
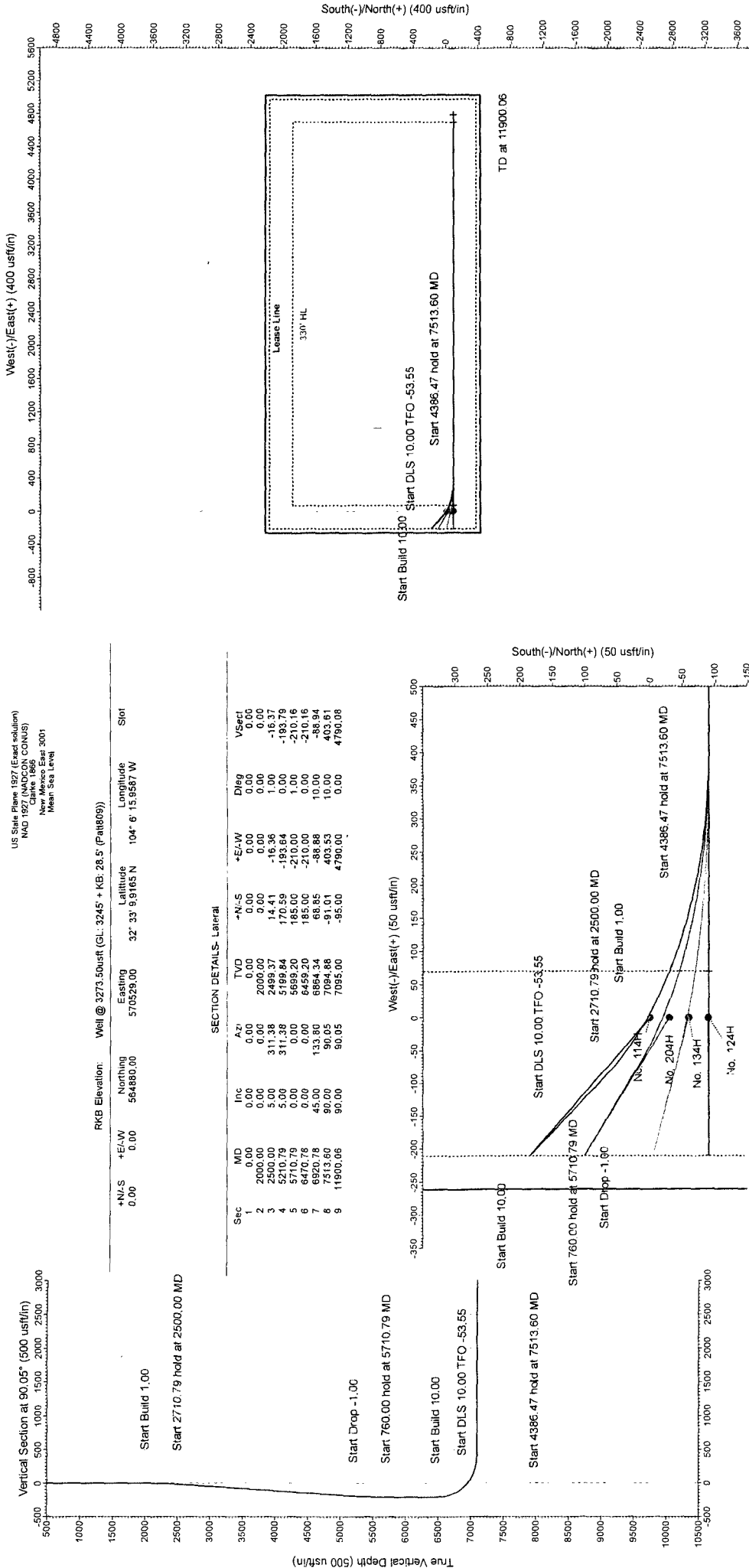
(Instructions on page 2)

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

RUP 8-10-17



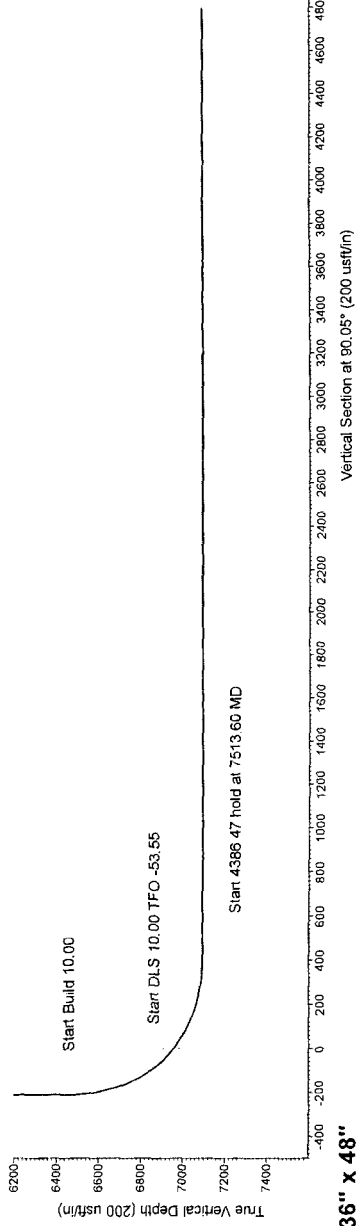
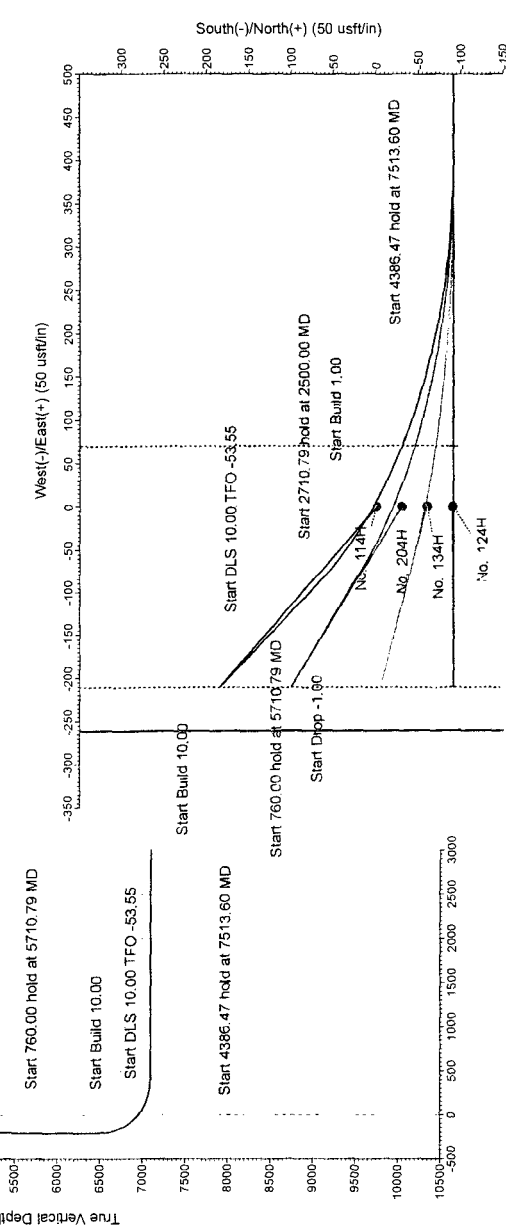
Matador Resources
Eddy County, NM
Stebbins Federal 20 (114-124-134-204)
No. 114H
Prelim Plan B
GL: 3245' + KB: 28.5' (Pat809)



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

SECTION DETAILS- Lateral

Sec	MD	Inc	Azi	TVD	N-S	E-W	Dleg	VSecl
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00
3	2500.00	5.00	311.38	2493.37	14.41	-16.36	1.00	-16.37
4	5210.79	5.00	311.38	5199.84	170.59	-193.64	0.00	-193.79
5	5710.79	0.00	0.00	5695.20	185.00	-210.00	1.00	-210.16
6	6470.78	0.00	0.00	6455.20	185.00	-210.00	1.00	-210.16
7	7130.00	4.00	134.41	7084.88	97.81	-40.53	10.00	403.81
8	7513.60	90.00	90.05	7084.88	-85.00	4790.00	0.00	4790.08
9	11900.06	90.00	90.05	7085.00	-85.00	4790.00	0.00	4790.08



36" x 48"

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 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 Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance 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

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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		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		
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	10.88	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	4,292.79	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	5,689.76	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	5,789.85	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	5,889.85	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	5,989.85	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	6,089.85	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

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

Local Co-ordinate Reference: Well No. 204H
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Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Between Centres (usft)	Between Ellipses (usft)					
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	48.86	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	-6.00	-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	9,219.69	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	28.82	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	403.03	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
 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. 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 (°)	Distance				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)	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	39.18	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: 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. 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		Highside Toolface (°)	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)				Between Centres (usft)	Between Ellipses (usft)		
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	2,297.46	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	2,995.18	3,000.59	2,994.59	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	112.80	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	8.080			
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	7.967			
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	4,391.04	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: 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. 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		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	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)							
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	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		Highside Toolface (°)	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)	Between Centres (usft)							
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	53.115			
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	34.83	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		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	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)						
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

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		
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	3.266			
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	4,790.85	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	4,890.85	13.57	13.45	-180.00	25.00	-210.00	105.00	78.05	26.95	3.896	
5,000.00	4,989.85	5,000.31	4,990.85	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	5,090.85	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	5,190.85	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	5,290.85	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	5,390.85	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	5,490.85	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	5,590.85	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	5,690.85	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	5,790.85	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	5,890.85	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	5,990.85	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	6,090.85	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	6,190.85	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	6,290.85	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	6,390.85	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	6,490.85	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	6,590.85	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	6,690.85	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	6,790.85	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	6,890.85	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	6,990.85	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	7,090.85	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	7,190.85	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	7,290.85	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	7,390.85	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	7,490.85	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	7,590.85	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	7,690.85	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	7,790.85	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	7,890.85	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	7,990.85	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	8,090.85	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	8,190.85	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	8,290.85	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	8,390.85	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	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		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		
9,159.18	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	219.54	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 covergent 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		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		
13,600.00	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

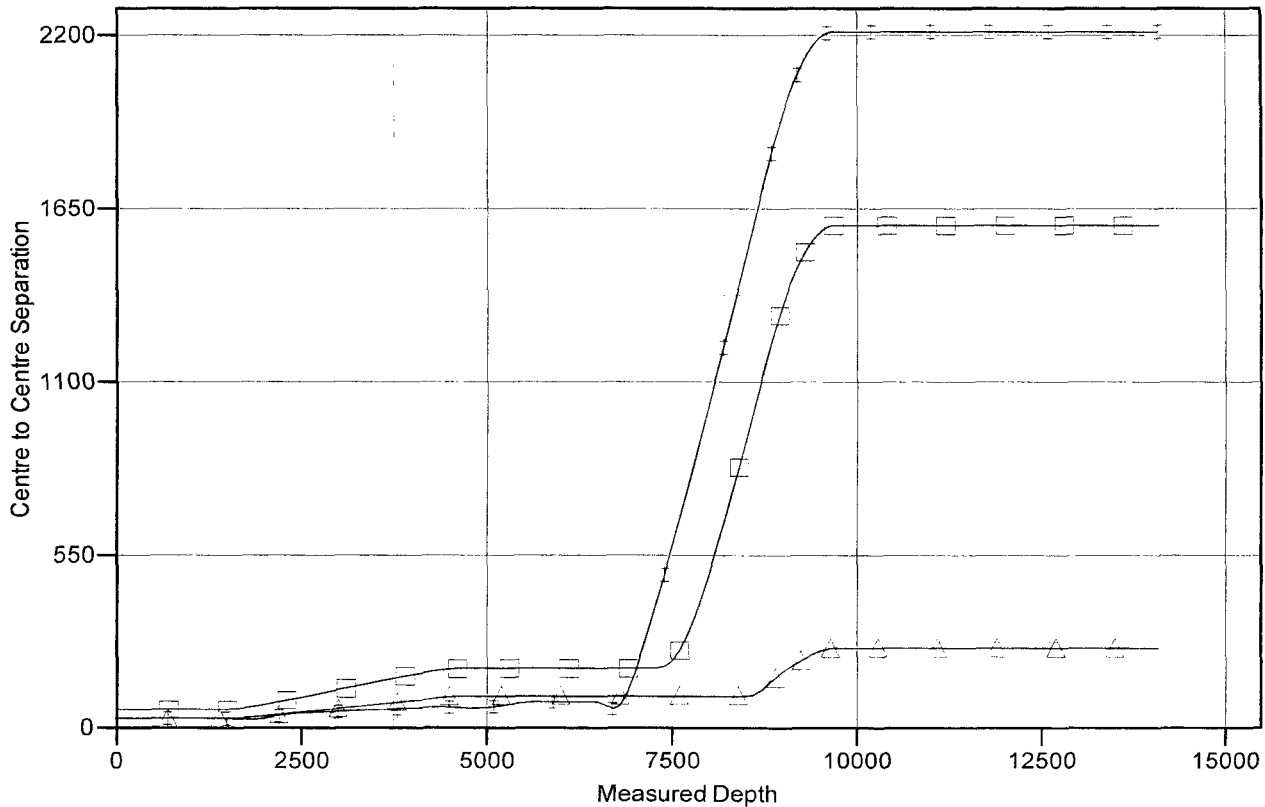
Anticollision Report

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°

Ladder Plot



LEGEND

▲ No. 134H, OH, Prelim Plan B V0 ● No. 114H, OH, Prelim Plan B V0 ■ No. 124H, OH, Prelim Plan B V0

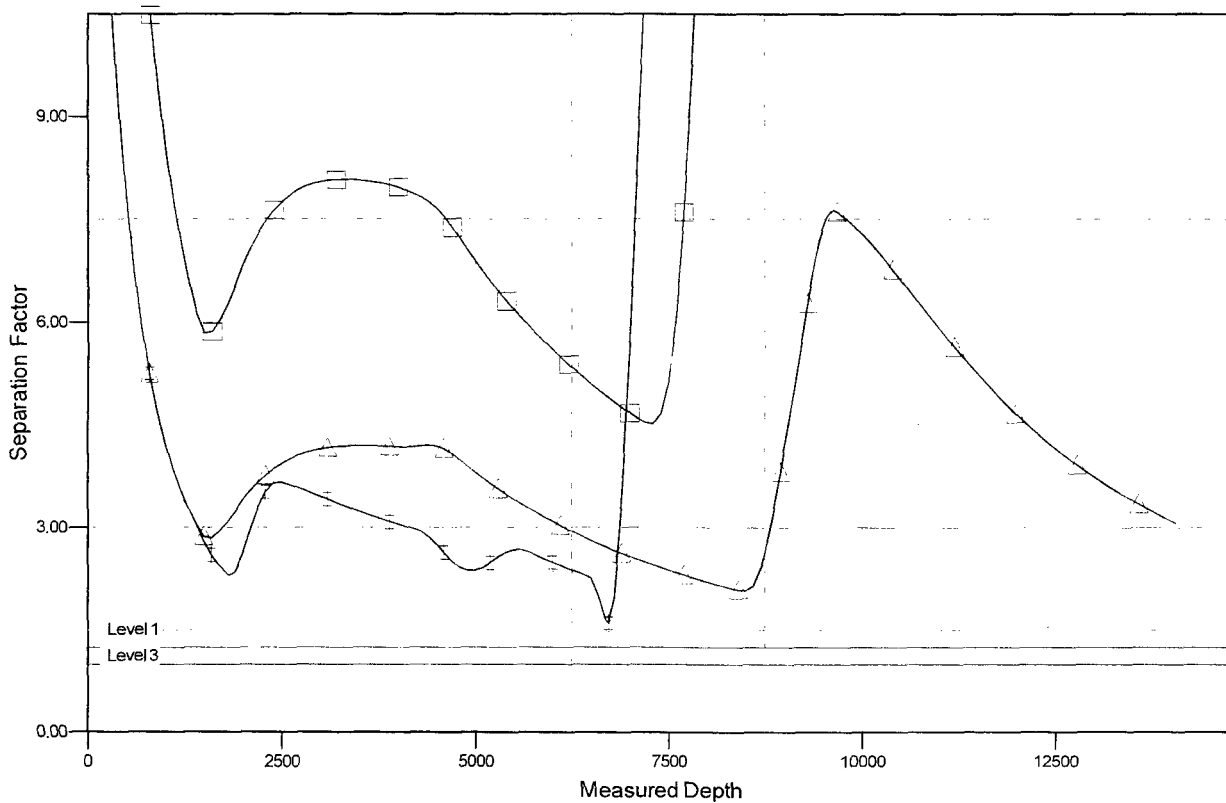
Pro Directional Anticollision Report

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 V0 ◆ No. 114H, OH, Prelim Plan B V0 ◻ No. 124H, OH, Prelim Plan B V0

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
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)
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
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))

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

North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

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

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 - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
[StebFed20#204H]LPP - plan misses target center by 4700.45usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	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
[StebFed20#204H]FPP - plan misses target center by 92.85usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	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
[StebFed20#204H]BHL - plan hits target center - Point	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

Checked By: _____ Approved By: _____ Date: _____