

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for proposals to
Carlsbad Field Office
OCD Artesia5. Lease Serial No.
NMNM03677

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
STEBBINS 20 FED 204H9. API Well No.
30-015-44177-00-X110. Field and Pool or Exploratory Area
BURTON FLAT11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

MATADOR PRODUCTION COMPANY

Contact: CASSIE HAHN

Email: chahn@matadorresources.com

3a. 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 421 FSL 130 FWL 391 FSL 1260 FWL
32.552876 N Lat, 104.105362 W Lon

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ 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 the work will be performed. 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 plans 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 #380579 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 (17PP0648SE)

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/

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

APPROVED
AUG 4 2017
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.

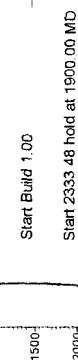
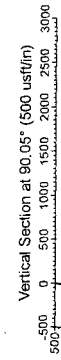
(Instructions on page 2)

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

P.P.P.



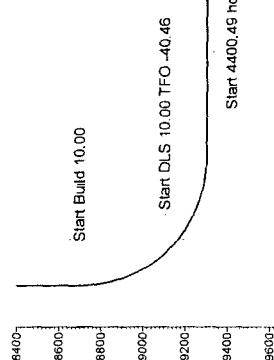
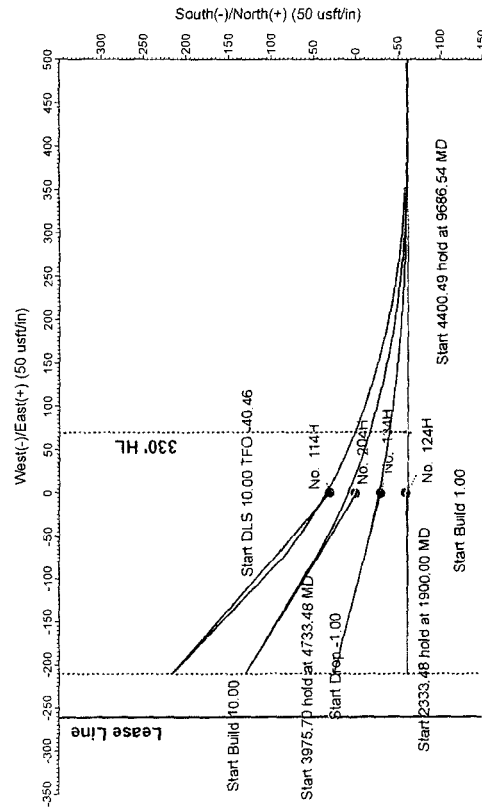
Matador Resources
Eddy County, NM
Stebbins Federal 20 (114-124-134-204)
No. 204H
Prelim Plan B
GL: 3245' + KB: 28.5' (Pat809)



SECTION DETAILS - Lateral

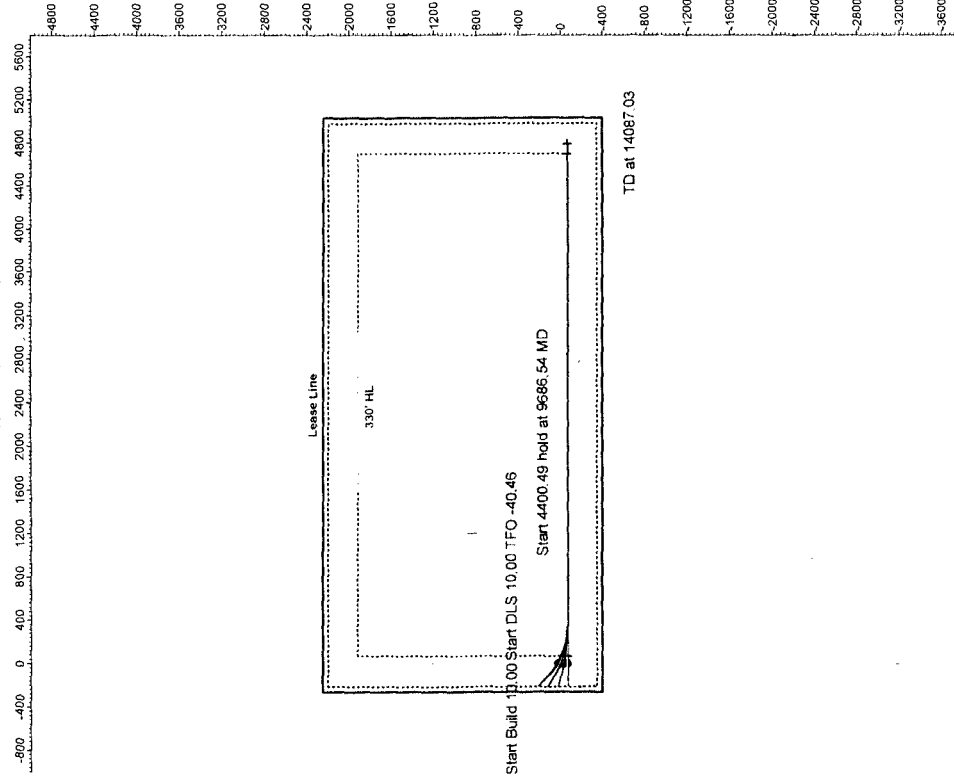
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	VSecl
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00
3	1900.00	5.00	301.76	1899.37	11.48	-18.54	1.00	-18.55
4	4233.48	5.00	301.76	4223.97	118.52	-191.46	0.00	-191.57
5	4733.48	0.00	0.00	4733.33	130.00	-210.00	1.00	-210.11
6	8709.18	45.00	121.15	8699.03	130.00	-210.00	0.00	-210.11
7	9059.14	90.00	9104.17	9044.17	43.19	-46.38	10.00	-46.42
8	9686.54	90.00	9205.51	9205.51	589.51	0.00	0.00	0.00
9	14087.03	90.00	90.05	9055.00	-53.00	4790.00	0.00	4790.05

True Vertical Depth (500 usf/in)



True Vertical Depth (200 usf/in)

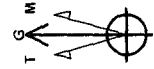
West(-)/East(+) (400 usf/in)



Lease Line

330' HL

TD at 14087.03



Azimuth to Grid North
Magnetic North 7.28°
Magnetic Field
Strength: 48197.96 T
Dip Angle: 60.42°
Date: 6/23/2017
Model: HOGM

TD at 14087.03

Start 4400.45 hold at 9686.54 MD

Azimuth Corrections
Total Magnetic Corr. (M to G): 7.28°

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	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)	Offset Wellbore Centre +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 covergent point. SF - min separation factor. ES - min ellipse separation

Pro Directional

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Well Error:	1.10 usft	Output errors are at	2.00 sigma
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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		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	4,489.82	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 covergent point. SF - min separation factor ES - min ellipse separation

Pro Directional

Anticollision Report

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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		
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	6,769.13	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	7,075.60	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	7,075.60	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	7,075.60	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	7,075.60	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	28.92	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	76.083		
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	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			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,000.00	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	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:
Survey Program: 0-MWD+HDGM, 1500-MWD+HDGM, 7200-MWD+HDGM													Offset Well Error:
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	-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	2,995.18	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	112.60	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	8.080	
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	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			
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		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		
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	9,278.28	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	34.83	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	1,586.00	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	-106.03	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	-105.79	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

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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. 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 (°)	Distance		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	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)										
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	54.77	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	-135.84	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	-130.37	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	-125.61	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	-121.43	-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	-117.70	-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	-114.34	-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	-111.13	-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 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 @ 3273.50ustt (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		
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	9,219.89	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	37.95	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	185.05	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)	Offset Wellbore Centre +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

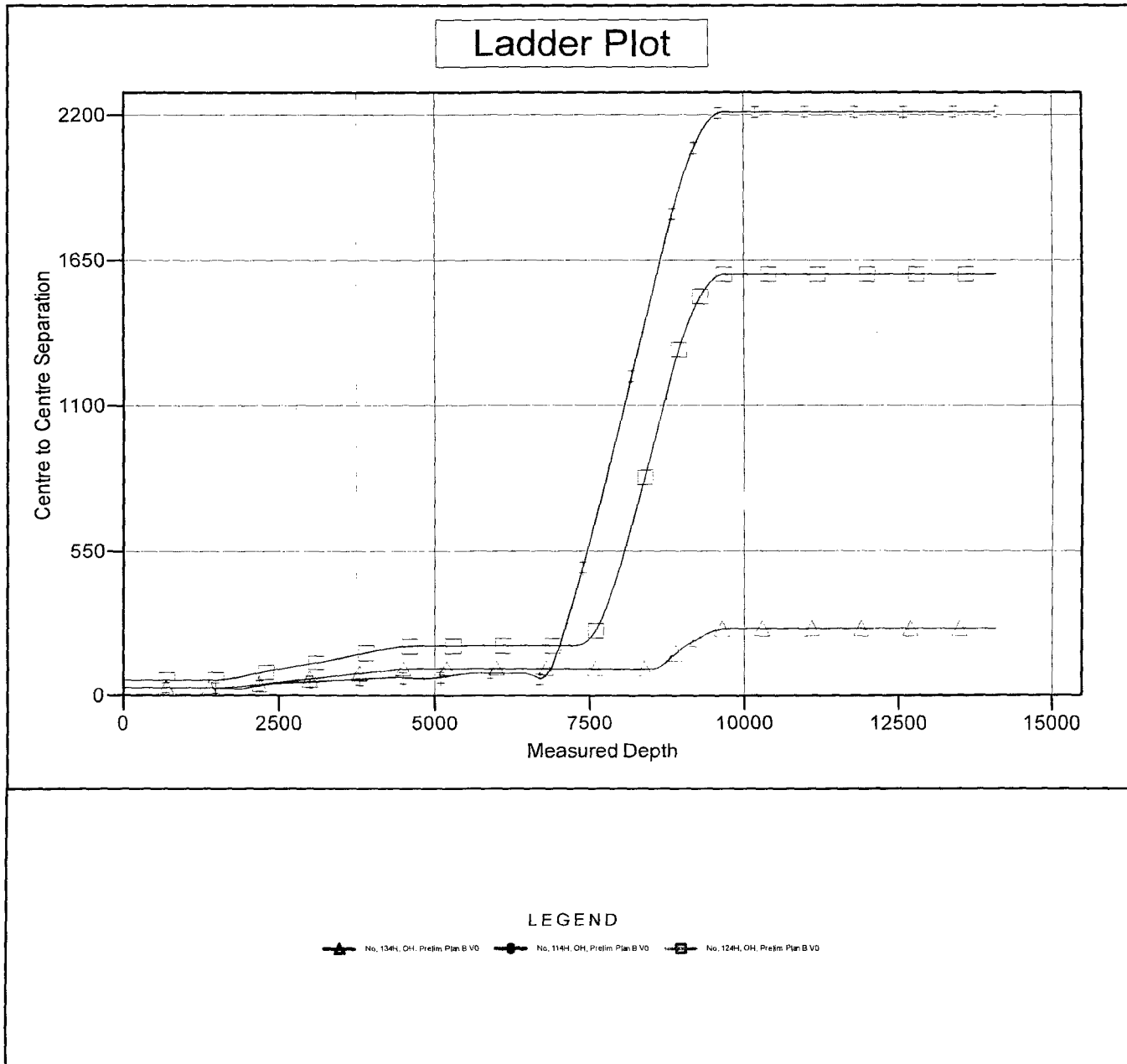
Anticollision Report

Company: Matador Resources
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

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°



Pro Directional
Anticollision Report

Company: Matador Resources
Project: Eddy County, NM

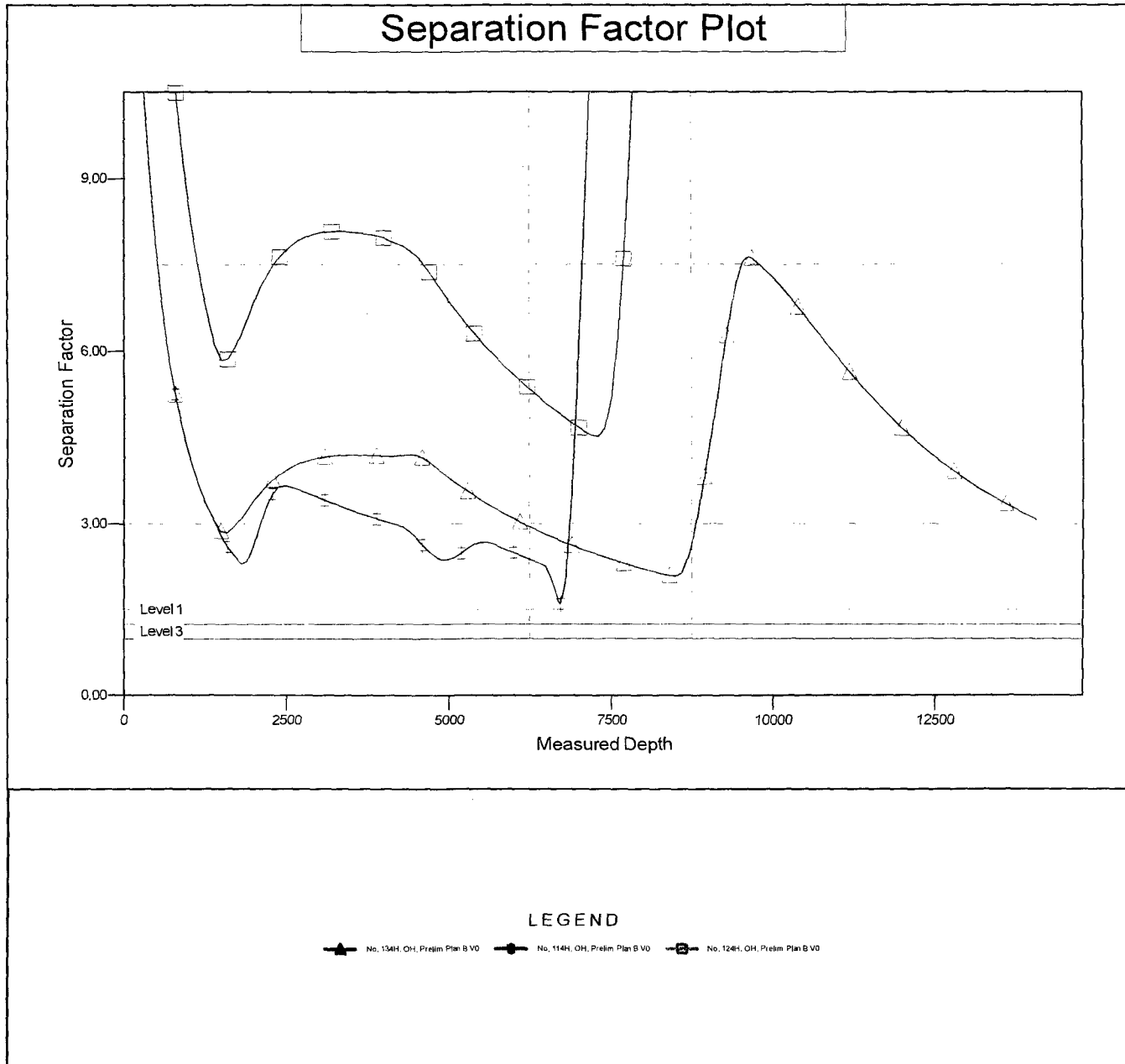
Reference Site: Stebbins Federal 20 (114-124-134-204)

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

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°



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	System Datum:	Mean Sea Level
Map System:	US State Plane 1927 (Exact solution)		
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
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:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well No. 204H

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

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

Grid

Minimum Curvature

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:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well No. 204H

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

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

Grid

Minimum Curvature

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:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well No. 204H

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

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

Grid

Minimum Curvature

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

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

Well: No. 204H

Wellbore: OH

Design: Prelim Plan B

Local Co-ordinate Reference:

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Survey Calculation Method:

Database:

Well No. 204H

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

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

Grid

Minimum Curvature

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

- 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 V
[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 V
[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 V

Checked By: _____

Approved By: _____

Date: _____