

Submit a Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-49222
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name DR ELLIS
8. Well Number 123H
9. OGRID Number 228937
10. Pool name or Wildcat PIERCE CROSSING; BONE SPRING

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Matador Production Company	
3. Address of Operator 5400 LBJ Freeway Ste 1500 Dallas, TX 75240	
4. Well Location Unit Letter <u>I</u> : <u>1671</u> feet from the <u>SOUTH</u> line and <u>220</u> feet from the <u>EAST</u> line Section <u>14</u> Township <u>24S</u> Range <u>28E</u> NMPM County <u>EDDY</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Matador Requests to move the SHL to the new location at:

Eddy Co.
P 14 24S 28E 1157 FSL 756 FEL

Please see additional documents attached.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Brett Jennings TITLE Regulatory Analyst DATE 01/11/2023

Type or print name Brett Jennings E-mail address: Brett.Jennings@matadorresources.com PHONE: 972-629-2160

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 50371	³ Pool Name Pierce Crossing; Bone Springs
⁴ Property Code	⁵ Property Name DR ELLIS	⁶ Well Number 123H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 2976'

¹⁰Surface Location

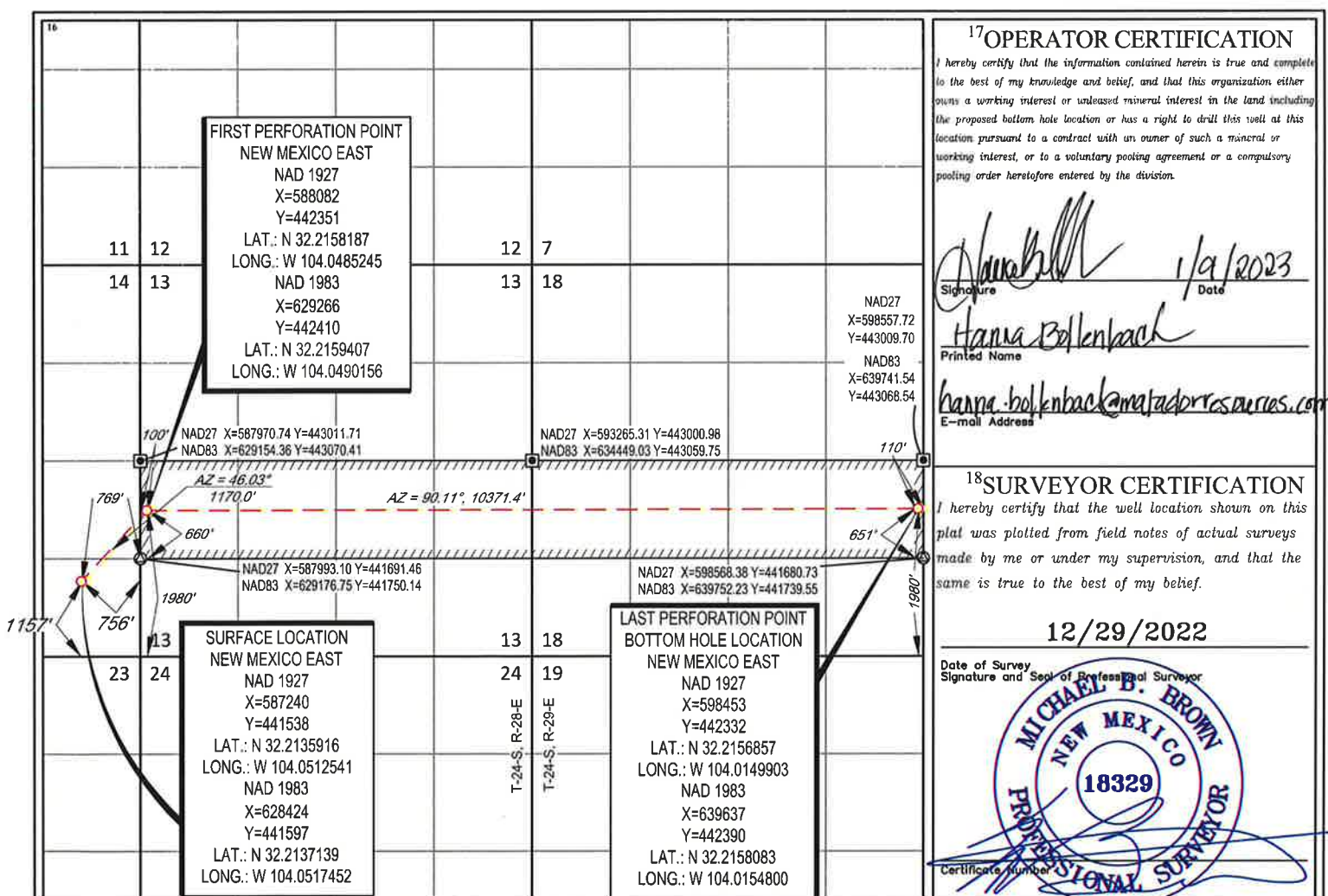
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	24-S	28-E	-	1157'	SOUTH	756'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	18	24-S	29-E	-	1980'	SOUTH	110'	EAST	EDDY

¹² Dedicated Acres 319.76	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Well Name: Dr Ellis State Com #123H

STRING	FLUID TYPE	HOLE SZ	CSG SZ	CSG GRADE	CSG WT	DEPTH SET	TOP CSG	TTL SX CEMENT	EST TOC	ADDITIONAL INFO FOR CSG/CMT PROGRAM (Optional)
SURF	FRESH WTR	17.5	13.375	J-55	54.50	605	0	525	0	Option to drill surface hole with surface setting rig
INT 1	Diesel/Brine Emulsion	9.875	7.625	P-110	29.70	7255	0	1150	0	
PROD	OIL-BASED MUD	6.75	5.5	P-110	20.00	18611	0	710	7055	

Matador Production Company

Rustler Breaks

Dr Ellis

Dr Ellis #123H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

09 January, 2023

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Dr Ellis #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3001.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3001.5usft
Site:	Dr Ellis	North Reference:	Grid
Well:	Dr Ellis #123H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Project	Rustler Breaks,		
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		Using geodetic scale factor

Site		Dr Ellis			
Site Position: From:		Northing:	442,046.44 usft	Latitude:	32° 12' 53.942 N
	Lat/Long	Easting:	587,797.06 usft	Longitude:	104° 2' 58.014 W
	Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:

Well	Dr Ellis #123H					
Well Position	+N/-S	-508.0 usft	Northing:	441,538.45 usft	Latitude:	32° 12' 48.930 N
	+E/-W	-557.2 usft	Easting:	587,239.91 usft	Longitude:	104° 3' 4.515 W
Position Uncertainty	0.0 usft		Wellhead Elevation:		Ground Level:	2,973.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/11/2021	6.73	59.92	47,458.99379189

Design	State Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	90.01

Plan Survey Tool Program	Date	1/9/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,611.3	State Plan #1 (Wellbore #1)	MWD
				OWSG MWD - Standard

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,020.0	13.00	40.96	2,015.5	44.4	38.5	2.50	2.50	0.00	40.96	
6,695.7	13.00	40.96	6,571.4	838.7	728.0	0.00	0.00	0.00	0.00	
7,562.4	0.00	0.00	7,430.7	912.6	792.1	1.50	-1.50	0.00	180.00	
7,855.2	0.00	0.00	7,723.5	912.6	792.1	0.00	0.00	0.00	0.00	VP - Dr Ellis #123H
8,744.0	88.88	97.70	8,296.3	837.3	1,348.8	10.00	10.00	0.00	97.70	
9,123.4	88.81	90.11	8,304.0	811.5	1,727.0	2.00	-0.02	-2.00	-90.58	
18,611.3	88.81	90.11	8,500.5	793.1	11,212.8	0.00	0.00	0.00	0.00	BHL - Dr Ellis #123I

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Dr Ellis #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3001.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3001.5usft
Site:	Dr Ellis	North Reference:	Grid
Well:	Dr Ellis #123H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	2.50	40.96	1,600.0	1.6	1.4	1.4	2.50	2.50	0.00
1,700.0	5.00	40.96	1,699.7	6.6	5.7	5.7	2.50	2.50	0.00
1,800.0	7.50	40.96	1,799.1	14.8	12.9	12.8	2.50	2.50	0.00
1,900.0	10.00	40.96	1,898.0	26.3	22.8	22.8	2.50	2.50	0.00
2,000.0	12.50	40.96	1,996.0	41.0	35.6	35.6	2.50	2.50	0.00
2,020.0	13.00	40.96	2,015.5	44.4	38.5	38.5	2.50	2.50	0.00
2,100.0	13.00	40.96	2,093.5	57.9	50.3	50.3	0.00	0.00	0.00
2,200.0	13.00	40.96	2,190.9	74.9	65.0	65.0	0.00	0.00	0.00
2,300.0	13.00	40.96	2,288.4	91.9	79.8	79.8	0.00	0.00	0.00
2,400.0	13.00	40.96	2,385.8	108.9	94.5	94.5	0.00	0.00	0.00
2,500.0	13.00	40.96	2,483.2	125.9	109.3	109.3	0.00	0.00	0.00
2,600.0	13.00	40.96	2,580.7	142.9	124.0	124.0	0.00	0.00	0.00
2,700.0	13.00	40.96	2,678.1	159.9	138.8	138.7	0.00	0.00	0.00
2,800.0	13.00	40.96	2,775.6	176.9	153.5	153.5	0.00	0.00	0.00
2,900.0	13.00	40.96	2,873.0	193.9	168.3	168.2	0.00	0.00	0.00
3,000.0	13.00	40.96	2,970.4	210.8	183.0	183.0	0.00	0.00	0.00
3,100.0	13.00	40.96	3,067.9	227.8	197.8	197.7	0.00	0.00	0.00
3,200.0	13.00	40.96	3,165.3	244.8	212.5	212.5	0.00	0.00	0.00
3,300.0	13.00	40.96	3,262.7	261.8	227.2	227.2	0.00	0.00	0.00
3,400.0	13.00	40.96	3,360.2	278.8	242.0	241.9	0.00	0.00	0.00
3,500.0	13.00	40.96	3,457.6	295.8	256.7	256.7	0.00	0.00	0.00
3,600.0	13.00	40.96	3,555.1	312.8	271.5	271.4	0.00	0.00	0.00
3,700.0	13.00	40.96	3,652.5	329.8	286.2	286.2	0.00	0.00	0.00
3,800.0	13.00	40.96	3,749.9	346.7	301.0	300.9	0.00	0.00	0.00
3,900.0	13.00	40.96	3,847.4	363.7	315.7	315.7	0.00	0.00	0.00
4,000.0	13.00	40.96	3,944.8	380.7	330.5	330.4	0.00	0.00	0.00
4,100.0	13.00	40.96	4,042.2	397.7	345.2	345.1	0.00	0.00	0.00
4,200.0	13.00	40.96	4,139.7	414.7	360.0	359.9	0.00	0.00	0.00
4,300.0	13.00	40.96	4,237.1	431.7	374.7	374.6	0.00	0.00	0.00
4,400.0	13.00	40.96	4,334.6	448.7	389.5	389.4	0.00	0.00	0.00
4,500.0	13.00	40.96	4,432.0	465.7	404.2	404.1	0.00	0.00	0.00
4,600.0	13.00	40.96	4,529.4	482.7	418.9	418.9	0.00	0.00	0.00
4,700.0	13.00	40.96	4,626.9	499.6	433.7	433.6	0.00	0.00	0.00
4,800.0	13.00	40.96	4,724.3	516.6	448.4	448.3	0.00	0.00	0.00
4,900.0	13.00	40.96	4,821.7	533.6	463.2	463.1	0.00	0.00	0.00
5,000.0	13.00	40.96	4,919.2	550.6	477.9	477.8	0.00	0.00	0.00
5,100.0	13.00	40.96	5,016.6	567.6	492.7	492.6	0.00	0.00	0.00
5,200.0	13.00	40.96	5,114.0	584.6	507.4	507.3	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Dr Ellis #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3001.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3001.5usft
Site:	Dr Ellis	North Reference:	Grid
Well:	Dr Ellis #123H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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)
5,300.0	13.00	40.96	5,211.5	601.6	522.2	522.1	0.00	0.00	0.00
5,400.0	13.00	40.96	5,308.9	618.6	536.9	536.8	0.00	0.00	0.00
5,500.0	13.00	40.96	5,406.4	635.5	551.7	551.5	0.00	0.00	0.00
5,600.0	13.00	40.96	5,503.8	652.5	566.4	566.3	0.00	0.00	0.00
5,700.0	13.00	40.96	5,601.2	669.5	581.1	581.0	0.00	0.00	0.00
5,800.0	13.00	40.96	5,698.7	686.5	595.9	595.8	0.00	0.00	0.00
5,900.0	13.00	40.96	5,796.1	703.5	610.6	610.5	0.00	0.00	0.00
6,000.0	13.00	40.96	5,893.5	720.5	625.4	625.3	0.00	0.00	0.00
6,100.0	13.00	40.96	5,991.0	737.5	640.1	640.0	0.00	0.00	0.00
6,200.0	13.00	40.96	6,088.4	754.5	654.9	654.7	0.00	0.00	0.00
6,300.0	13.00	40.96	6,185.9	771.4	669.6	669.5	0.00	0.00	0.00
6,400.0	13.00	40.96	6,283.3	788.4	684.4	684.2	0.00	0.00	0.00
6,500.0	13.00	40.96	6,380.7	805.4	699.1	699.0	0.00	0.00	0.00
6,600.0	13.00	40.96	6,478.2	822.4	713.9	713.7	0.00	0.00	0.00
6,695.7	13.00	40.96	6,571.4	838.7	728.0	727.8	0.00	0.00	0.00
6,700.0	12.94	40.96	6,575.6	839.4	728.6	728.5	1.50	-1.50	0.00
6,800.0	11.44	40.96	6,673.3	855.3	742.4	742.3	1.50	-1.50	0.00
6,900.0	9.94	40.96	6,771.6	869.3	754.6	754.4	1.50	-1.50	0.00
7,000.0	8.44	40.96	6,870.3	881.4	765.1	764.9	1.50	-1.50	0.00
7,100.0	6.94	40.96	6,969.4	891.5	773.8	773.7	1.50	-1.50	0.00
7,200.0	5.44	40.96	7,068.8	899.6	780.9	780.7	1.50	-1.50	0.00
7,300.0	3.94	40.96	7,168.5	905.8	786.2	786.1	1.50	-1.50	0.00
7,400.0	2.44	40.96	7,268.3	910.0	789.9	789.7	1.50	-1.50	0.00
7,500.0	0.94	40.96	7,368.3	912.2	791.8	791.7	1.50	-1.50	0.00
7,562.4	0.00	0.00	7,430.7	912.6	792.1	792.0	1.50	-1.50	0.00
7,600.0	0.00	0.00	7,468.3	912.6	792.1	792.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,568.3	912.6	792.1	792.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,668.3	912.6	792.1	792.0	0.00	0.00	0.00
7,855.2	0.00	0.00	7,723.5	912.6	792.1	792.0	0.00	0.00	0.00
7,900.0	4.48	97.70	7,768.2	912.4	793.9	793.7	10.00	10.00	0.00
8,000.0	14.48	97.70	7,866.8	910.2	810.2	810.0	10.00	10.00	0.00
8,100.0	24.48	97.70	7,960.9	905.7	843.2	843.0	10.00	10.00	0.00
8,200.0	34.48	97.70	8,047.9	899.1	891.9	891.7	10.00	10.00	0.00
8,300.0	44.48	97.70	8,124.9	890.6	954.8	954.7	10.00	10.00	0.00
8,400.0	54.48	97.70	8,189.8	880.4	1,030.1	1,029.9	10.00	10.00	0.00
8,500.0	64.48	97.70	8,240.6	868.9	1,115.3	1,115.2	10.00	10.00	0.00
8,600.0	74.48	97.70	8,275.6	856.4	1,208.0	1,207.9	10.00	10.00	0.00
8,700.0	84.48	97.70	8,293.8	843.2	1,305.3	1,305.2	10.00	10.00	0.00
8,744.0	88.88	97.70	8,296.3	837.3	1,348.8	1,348.7	10.00	10.00	0.00
8,800.0	88.87	96.58	8,297.4	830.4	1,404.4	1,404.2	2.00	-0.02	-2.00
8,900.0	88.85	94.58	8,299.4	820.7	1,503.9	1,503.7	2.00	-0.02	-2.00
9,000.0	88.83	92.58	8,301.5	814.4	1,603.7	1,603.5	2.00	-0.02	-2.00
9,100.0	88.82	90.58	8,303.5	811.7	1,703.6	1,703.5	2.00	-0.02	-2.00
9,123.4	88.81	90.11	8,304.0	811.5	1,727.0	1,726.8	2.00	-0.02	-2.00
9,200.0	88.81	90.11	8,305.6	811.4	1,803.6	1,803.4	0.00	0.00	0.00
9,300.0	88.81	90.11	8,307.7	811.2	1,903.6	1,903.4	0.00	0.00	0.00
9,400.0	88.81	90.11	8,309.7	811.0	2,003.5	2,003.4	0.00	0.00	0.00
9,500.0	88.81	90.11	8,311.8	810.8	2,103.5	2,103.4	0.00	0.00	0.00
9,600.0	88.81	90.11	8,313.9	810.6	2,203.5	2,203.4	0.00	0.00	0.00
9,700.0	88.81	90.11	8,315.9	810.4	2,303.5	2,303.3	0.00	0.00	0.00
9,800.0	88.81	90.11	8,318.0	810.2	2,403.5	2,403.3	0.00	0.00	0.00
9,900.0	88.81	90.11	8,320.1	810.0	2,503.4	2,503.3	0.00	0.00	0.00
10,000.0	88.81	90.11	8,322.2	809.8	2,603.4	2,603.3	0.00	0.00	0.00
10,100.0	88.81	90.11	8,324.2	809.6	2,703.4	2,703.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Dr Ellis #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3001.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3001.5usft
Site:	Dr Ellis	North Reference:	Grid
Well:	Dr Ellis #123H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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)	
10,200.0	88.81	90.11	8,326.3	809.4	2,803.4	2,803.2	0.00	0.00	0.00	
10,300.0	88.81	90.11	8,328.4	809.2	2,903.3	2,903.2	0.00	0.00	0.00	
10,400.0	88.81	90.11	8,330.4	809.0	3,003.3	3,003.2	0.00	0.00	0.00	
10,500.0	88.81	90.11	8,332.5	808.8	3,103.3	3,103.2	0.00	0.00	0.00	
10,600.0	88.81	90.11	8,334.6	808.7	3,203.3	3,203.1	0.00	0.00	0.00	
10,700.0	88.81	90.11	8,336.6	808.5	3,303.3	3,303.1	0.00	0.00	0.00	
10,800.0	88.81	90.11	8,338.7	808.3	3,403.2	3,403.1	0.00	0.00	0.00	
10,900.0	88.81	90.11	8,340.8	808.1	3,503.2	3,503.1	0.00	0.00	0.00	
11,000.0	88.81	90.11	8,342.9	807.9	3,603.2	3,603.1	0.00	0.00	0.00	
11,100.0	88.81	90.11	8,344.9	807.7	3,703.2	3,703.0	0.00	0.00	0.00	
11,200.0	88.81	90.11	8,347.0	807.5	3,803.1	3,803.0	0.00	0.00	0.00	
11,300.0	88.81	90.11	8,349.1	807.3	3,903.1	3,903.0	0.00	0.00	0.00	
11,400.0	88.81	90.11	8,351.1	807.1	4,003.1	4,003.0	0.00	0.00	0.00	
11,500.0	88.81	90.11	8,353.2	806.9	4,103.1	4,102.9	0.00	0.00	0.00	
11,600.0	88.81	90.11	8,355.3	806.7	4,203.1	4,202.9	0.00	0.00	0.00	
11,700.0	88.81	90.11	8,357.4	806.5	4,303.0	4,302.9	0.00	0.00	0.00	
11,800.0	88.81	90.11	8,359.4	806.3	4,403.0	4,402.9	0.00	0.00	0.00	
11,900.0	88.81	90.11	8,361.5	806.1	4,503.0	4,502.9	0.00	0.00	0.00	
12,000.0	88.81	90.11	8,363.6	805.9	4,603.0	4,602.8	0.00	0.00	0.00	
12,100.0	88.81	90.11	8,365.6	805.7	4,703.0	4,702.8	0.00	0.00	0.00	
12,200.0	88.81	90.11	8,367.7	805.5	4,802.9	4,802.8	0.00	0.00	0.00	
12,300.0	88.81	90.11	8,369.8	805.3	4,902.9	4,902.8	0.00	0.00	0.00	
12,400.0	88.81	90.11	8,371.9	805.2	5,002.9	5,002.7	0.00	0.00	0.00	
12,500.0	88.81	90.11	8,373.9	805.0	5,102.9	5,102.7	0.00	0.00	0.00	
12,600.0	88.81	90.11	8,376.0	804.8	5,202.8	5,202.7	0.00	0.00	0.00	
12,700.0	88.81	90.11	8,378.1	804.6	5,302.8	5,302.7	0.00	0.00	0.00	
12,800.0	88.81	90.11	8,380.1	804.4	5,402.8	5,402.7	0.00	0.00	0.00	
12,900.0	88.81	90.11	8,382.2	804.2	5,502.8	5,502.6	0.00	0.00	0.00	
13,000.0	88.81	90.11	8,384.3	804.0	5,602.8	5,602.6	0.00	0.00	0.00	
13,100.0	88.81	90.11	8,386.4	803.8	5,702.7	5,702.6	0.00	0.00	0.00	
13,200.0	88.81	90.11	8,388.4	803.6	5,802.7	5,802.6	0.00	0.00	0.00	
13,300.0	88.81	90.11	8,390.5	803.4	5,902.7	5,902.6	0.00	0.00	0.00	
13,400.0	88.81	90.11	8,392.6	803.2	6,002.7	6,002.5	0.00	0.00	0.00	
13,500.0	88.81	90.11	8,394.6	803.0	6,102.7	6,102.5	0.00	0.00	0.00	
13,600.0	88.81	90.11	8,396.7	802.8	6,202.6	6,202.5	0.00	0.00	0.00	
13,700.0	88.81	90.11	8,398.8	802.6	6,302.6	6,302.5	0.00	0.00	0.00	
13,800.0	88.81	90.11	8,400.9	802.4	6,402.6	6,402.4	0.00	0.00	0.00	
13,900.0	88.81	90.11	8,402.9	802.2	6,502.6	6,502.4	0.00	0.00	0.00	
14,000.0	88.81	90.11	8,405.0	802.0	6,602.5	6,602.4	0.00	0.00	0.00	
14,100.0	88.81	90.11	8,407.1	801.8	6,702.5	6,702.4	0.00	0.00	0.00	
14,200.0	88.81	90.11	8,409.1	801.6	6,802.5	6,802.4	0.00	0.00	0.00	
14,300.0	88.81	90.11	8,411.2	801.5	6,902.5	6,902.3	0.00	0.00	0.00	
14,400.0	88.81	90.11	8,413.3	801.3	7,002.5	7,002.3	0.00	0.00	0.00	
14,500.0	88.81	90.11	8,415.4	801.1	7,102.4	7,102.3	0.00	0.00	0.00	
14,600.0	88.81	90.11	8,417.4	800.9	7,202.4	7,202.3	0.00	0.00	0.00	
14,700.0	88.81	90.11	8,419.5	800.7	7,302.4	7,302.3	0.00	0.00	0.00	
14,800.0	88.81	90.11	8,421.6	800.5	7,402.4	7,402.2	0.00	0.00	0.00	
14,900.0	88.81	90.11	8,423.6	800.3	7,502.3	7,502.2	0.00	0.00	0.00	
15,000.0	88.81	90.11	8,425.7	800.1	7,602.3	7,602.2	0.00	0.00	0.00	
15,100.0	88.81	90.11	8,427.8	799.9	7,702.3	7,702.2	0.00	0.00	0.00	
15,200.0	88.81	90.11	8,429.8	799.7	7,802.3	7,802.1	0.00	0.00	0.00	
15,300.0	88.81	90.11	8,431.9	799.5	7,902.3	7,902.1	0.00	0.00	0.00	
15,400.0	88.81	90.11	8,434.0	799.3	8,002.2	8,002.1	0.00	0.00	0.00	
15,500.0	88.81	90.11	8,436.1	799.1	8,102.2	8,102.1	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Dr Ellis #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3001.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3001.5usft
Site:	Dr Ellis	North Reference:	Grid
Well:	Dr Ellis #123H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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)	
15,600.0	88.81	90.11	8,438.1	798.9	8,202.2	8,202.1	0.00	0.00	0.00	
15,700.0	88.81	90.11	8,440.2	798.7	8,302.2	8,302.0	0.00	0.00	0.00	
15,800.0	88.81	90.11	8,442.3	798.5	8,402.2	8,402.0	0.00	0.00	0.00	
15,900.0	88.81	90.11	8,444.3	798.3	8,502.1	8,502.0	0.00	0.00	0.00	
16,000.0	88.81	90.11	8,446.4	798.1	8,602.1	8,602.0	0.00	0.00	0.00	
16,100.0	88.81	90.11	8,448.5	798.0	8,702.1	8,701.9	0.00	0.00	0.00	
16,200.0	88.81	90.11	8,450.6	797.8	8,802.1	8,801.9	0.00	0.00	0.00	
16,300.0	88.81	90.11	8,452.6	797.6	8,902.0	8,901.9	0.00	0.00	0.00	
16,400.0	88.81	90.11	8,454.7	797.4	9,002.0	9,001.9	0.00	0.00	0.00	
16,500.0	88.81	90.11	8,456.8	797.2	9,102.0	9,101.9	0.00	0.00	0.00	
16,600.0	88.81	90.11	8,458.8	797.0	9,202.0	9,201.8	0.00	0.00	0.00	
16,700.0	88.81	90.11	8,460.9	796.8	9,302.0	9,301.8	0.00	0.00	0.00	
16,800.0	88.81	90.11	8,463.0	796.6	9,401.9	9,401.8	0.00	0.00	0.00	
16,900.0	88.81	90.11	8,465.1	796.4	9,501.9	9,501.8	0.00	0.00	0.00	
17,000.0	88.81	90.11	8,467.1	796.2	9,601.9	9,601.8	0.00	0.00	0.00	
17,100.0	88.81	90.11	8,469.2	796.0	9,701.9	9,701.7	0.00	0.00	0.00	
17,200.0	88.81	90.11	8,471.3	795.8	9,801.9	9,801.7	0.00	0.00	0.00	
17,300.0	88.81	90.11	8,473.3	795.6	9,901.8	9,901.7	0.00	0.00	0.00	
17,400.0	88.81	90.11	8,475.4	795.4	10,001.8	10,001.7	0.00	0.00	0.00	
17,500.0	88.81	90.11	8,477.5	795.2	10,101.8	10,101.6	0.00	0.00	0.00	
17,600.0	88.81	90.11	8,479.6	795.0	10,201.8	10,201.6	0.00	0.00	0.00	
17,700.0	88.81	90.11	8,481.6	794.8	10,301.7	10,301.6	0.00	0.00	0.00	
17,800.0	88.81	90.11	8,483.7	794.6	10,401.7	10,401.6	0.00	0.00	0.00	
17,900.0	88.81	90.11	8,485.8	794.5	10,501.7	10,501.6	0.00	0.00	0.00	
18,000.0	88.81	90.11	8,487.8	794.3	10,601.7	10,601.5	0.00	0.00	0.00	
18,100.0	88.81	90.11	8,489.9	794.1	10,701.7	10,701.5	0.00	0.00	0.00	
18,200.0	88.81	90.11	8,492.0	793.9	10,801.6	10,801.5	0.00	0.00	0.00	
18,300.0	88.81	90.11	8,494.1	793.7	10,901.6	10,901.5	0.00	0.00	0.00	
18,400.0	88.81	90.11	8,496.1	793.5	11,001.6	11,001.5	0.00	0.00	0.00	
18,500.0	88.81	90.11	8,498.2	793.3	11,101.6	11,101.4	0.00	0.00	0.00	
18,600.0	88.81	90.11	8,500.3	793.1	11,201.5	11,201.4	0.00	0.00	0.00	
18,611.3	88.81	90.11	8,500.5	793.1	11,212.8	11,212.7	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
VP - Dr Ellis #123H - hit/miss target - Shape - Point	0.00	0.00	7,723.5	912.6	792.1	442,451.00	588,032.00	32° 12' 57.940 N	104° 2' 55.267 W	
BHL - Dr Ellis #123H - plan hits target center - Point	0.00	0.00	8,500.5	793.1	11,212.8	442,331.55	598,453.17	32° 12' 56.469 N	104° 0' 53.965 W	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Dr Ellis #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3001.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3001.5usft
Site:	Dr Ellis	North Reference:	Grid
Well:	Dr Ellis #123H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
287.0	287.0	Z (Salado)		1.18	90.01	
1,059.0	1,059.0	Z (Castile (T))		1.18	90.01	
2,643.1	2,622.7	Z (G30:CS14-CSB)		1.18	90.01	
2,690.5	2,668.8	Z (G26: Bell Cyn.)		1.18	90.01	
3,666.4	3,619.8	Z (G13: Cherry Cyn.)		1.18	90.01	
4,830.8	4,754.3	Z (G7: Brushy Cyn.)		1.18	90.01	
6,497.6	6,378.4	Z (G4: BSG (CS9))		1.18	90.01	
7,245.5	7,114.1	Z (L5.3: FBSC)		1.18	90.01	
7,444.0	7,312.3	Z (L5.1: FBSG)		1.18	90.01	
7,725.0	7,593.3	Z (L4.3: SBSC)		1.18	90.01	
8,306.8	8,129.8	Z (L4.1: SBSG)		1.18	90.01	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.0	1,500.0	0.0	0.0	Start Build 1.00	
2,300.0	2,297.4	52.0	20.2	Start 4377.6 hold at 2300.0 MD	
6,677.6	6,632.4	619.6	241.5	Start Drop -1.50	
7,210.9	7,164.0	654.2	255.0	Start 559.5 hold at 7210.9 MD	
7,770.4	7,723.5	654.2	255.0	Start Build 10.00	
8,659.2	8,296.3	628.8	816.2	Start DLS 2.00 TFO -91.35	
8,788.8	8,298.9	625.8	945.6	Start 9789.5 hold at 8788.8 MD	
18,578.2	8,500.5	624.2	10,733.0	TD at 18578.2	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 175223

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 175223
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	1/18/2023