

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

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.)		WELL API NO.
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐ FEDERAL ☐
2. Name of Operator		6. State Oil & Gas Lease No.
3. Address of Operator		7. Lease Name or Unit Agreement Name
4. Well Location Unit Letter _____: _____ feet from the _____ line and _____ feet from the _____ line Section _____ Township _____ Range _____ NMPM _____ County _____		8. Well Number
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number
		10. Pool name or Wildcat

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.

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 _____ TITLE _____ DATE _____

Type or print name _____ E-mail address: _____ PHONE: _____

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☒ Amended Report
		☐ As Drilled	

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-54346	Pool Code 50460	Pool Name QUAIL RIDGE; BONE SPRING
Property Code 337039	Property Name CIMARRON STATE COM	Well Number 1243H
OGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 3826'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
A	16	19-S	34-E	-	280' N	1094' E	N 32.6667537	W 103.5602576	LEA

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
B	16	19-S	34-E	-	110' N	2316' E	N 32.6672102	W 103.5642276	LEA

Dedicated Acres 320	Infill or Defining Well DEFINING	Defining Well API N/A	Overlapping Spacing Unit (Y/N) Y	Consolidated Code N/A
Order Numbers R-23569			Well Setbacks are under Common Ownership: ☐ Yes ☒ No	

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
A	16	19-S	34-E	-	50' N	330' E	N 32.6673922	W 103.5577745	LEA

First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
A	16	19-S	34-E	-	100' N	330' E	N 32.6672548	W 103.5577743	LEA

Last Take Point (LTP)

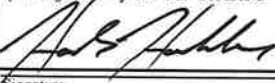
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
B	16	19-S	34-E	-	110' N	2316' E	N 32.6672102	W 103.5642276	LEA

Unitized Area or Area of Uniform Interest N/A	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation 3826'
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OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.



9/18/2025

Signature Date

Hawks Holder

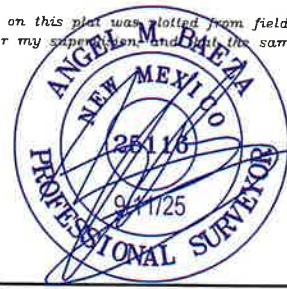
Print Name

hawks.holder@matadorresources.com

E-mail Address

SURVEYORS CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



Angel M. Baeza 09/11/2025

Signature and Seal of Professional Surveyor Date

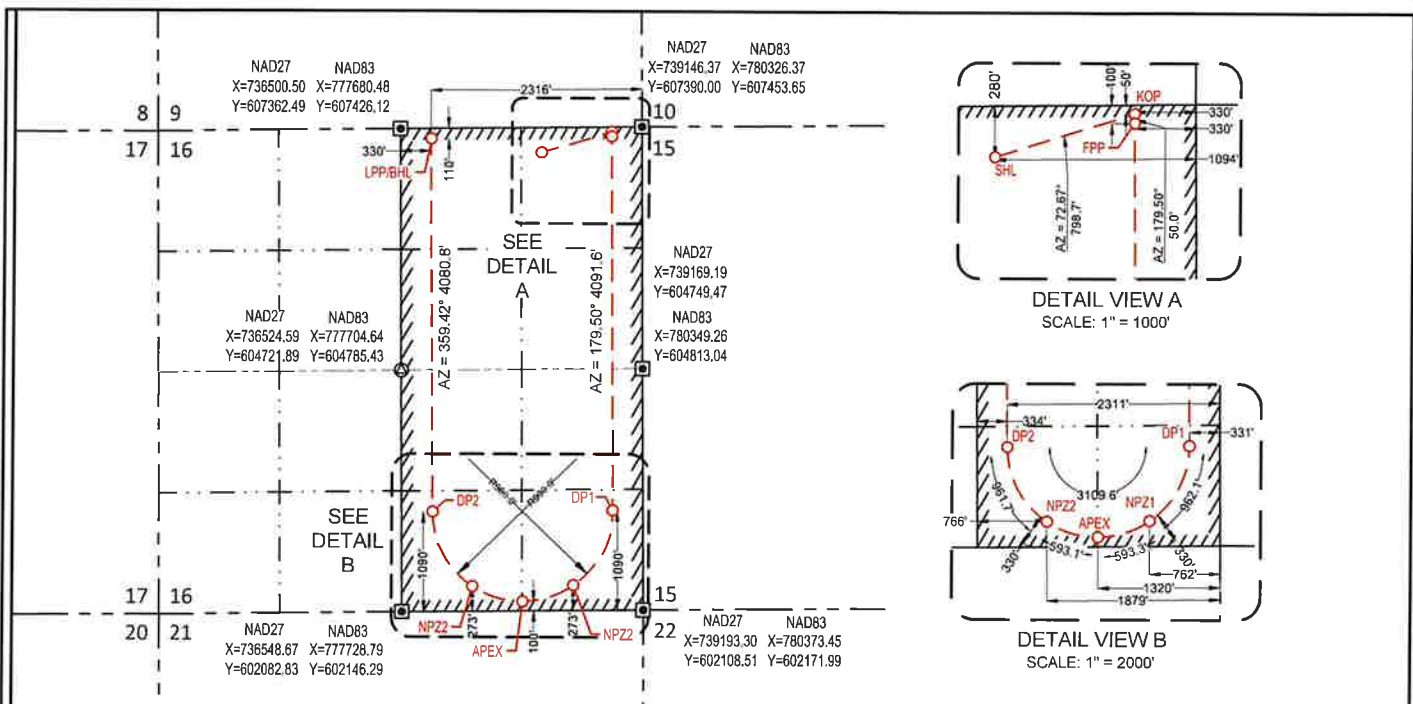
25116

08/26/2025

Certificate Number

Date of Survey

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
Property Name and Well Number CIMARRON STATE COM 1243H		Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

**SURFACE LOCATION (SHL)**

NEW MEXICO EAST
NAD 1983
X=779234 Y=607162
LAT.: N 32.6667537
LONG.: W 103.5602576

NAD 1927
X=738055 Y=607101
LAT.: N 32.6666357
LONG.: W 103.5597619
280' FNL 1094' FEL

KICK OFF POINT (KOP)

NEW MEXICO EAST
NAD 1983
X=779997 Y=607400
LAT.: N 32.6673922
LONG.: W 103.5577745

NAD 1927
X=738817 Y=607339
LAT.: N 32.6672743
LONG.: W 103.5572789
50' FNL 330' FEL

PROPOSED TAKE POINT (PTP)

NEW MEXICO EAST
NAD 1983
X=779997 Y=607350
LAT.: N 32.6672548
LONG.: W 103.5577743

NAD 1927
X=738818 Y=607289
LAT.: N 32.6671368
LONG.: W 103.5572787
100' FNL 330' FEL

DEFLECTION POINT (DP1)

NEW MEXICO EAST
NAD 1983
X=780033 Y=603259
LAT.: N 32.6560088
LONG.: W 103.5577562

NAD 1927
X=738853 Y=603197
LAT.: N 32.6558907
LONG.: W 103.5572611
1090' FSL 331' FEL

NON PERF POINT (NPZ1)

NEW MEXICO EAST
NAD 1983
X=779609 Y=602437
LAT.: N 32.6537590
LONG.: W 103.5591521

NAD 1927
X=738429 Y=602376
LAT.: N 32.6536409
LONG.: W 103.5586570
273' FSL 762' FEL

U-TURN APEX (APEX)

NEW MEXICO EAST
NAD 1983
X=779052 Y=602259
LAT.: N 32.6532811
LONG.: W 103.5609649

NAD 1927
X=737873 Y=602198
LAT.: N 32.6531630
LONG.: W 103.5604698
100' FSL 1320' FEL

NON PERF ZONE (NPZ2)

NEW MEXICO EAST
NAD 1983
X=778492 Y=602426
LAT.: N 32.6537515
LONG.: W 103.5627804

NAD 1927
X=737313 Y=602365
LAT.: N 32.6536334
LONG.: W 103.5622852
273' FSL 1879' FEL

DEFLECTION POINT (DP2)

NEW MEXICO EAST
NAD 1983
X=778053 Y=603239
LAT.: N 32.6559954
LONG.: W 103.5641893

NAD 1927
X=736873 Y=603178
LAT.: N 32.6558774
LONG.: W 103.5636940
1090' FSL 2311' FEL

**LAST PERF. POINT (LPP)
BOTTOM HOLE LOCATION (BHL)**

NEW MEXICO EAST
NAD 1983
X=778011 Y=607320
LAT.: N 32.6672102
LONG.: W 103.5642276

NAD 1927
X=736832 Y=607258
LAT.: N 32.6670922
LONG.: W 103.5637318
110' FNL 2316' FEL

SURVEYORS CERTIFICATION

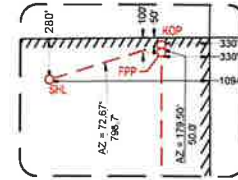
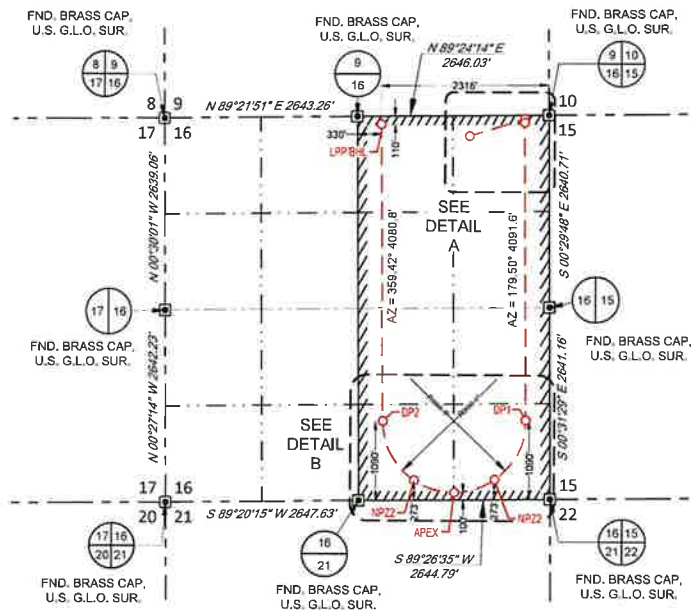
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
08/26/2025

Date of Survey

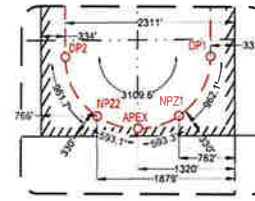




SECTION 16, TOWNSHIP 19-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



DETAIL VIEW A
SCALE 1" = 1000'



DETAIL VIEW B
SCALE 1" = 2000'

SURFACE LOCATION (SHL)	KICK OFF POINT (KOP)	PROPOSED TAKE POINT (PTP)	DEFLECTION POINT (DP1)	NON PERF POINT (NPZ1)
NEW MEXICO EAST NAD 1983 X=779234 Y=607162 LAT.: N 32.6667537 LONG.: W 103.5602576 280' FNL 1094' FEL	NEW MEXICO EAST NAD 1983 X=779997 Y=607400 LAT.: N 32.6673922 LONG.: W 103.5577745 50' FNL 330' FEL	NEW MEXICO EAST NAD 1983 X=779997 Y=607350 LAT.: N 32.6672548 LONG.: W 103.5577743 100' FNL 330' FEL	NEW MEXICO EAST NAD 1983 X=780033 Y=603259 LAT.: N 32.6560088 LONG.: W 103.5577562 1090' FSL 331' FEL	NEW MEXICO EAST NAD 1983 X=779609 Y=602437 LAT.: N 32.6537590 LONG.: W 103.5591521 273' FSL 762' FEL
U-TURN APEX (APEX)	NON PERF ZONE (NPZ2)	DEFLECTION POINT (DP2)	LAST PERF. POINT (LPP) BOTTOM HOLE LOCATION (BHL)	
NEW MEXICO EAST NAD 1983 X=779052 Y=602259 LAT.: N 32.6532811 LONG.: W 103.5609649 100' FSL 1320' FEL	NEW MEXICO EAST NAD 1983 X=778492 Y=602426 LAT.: N 32.6537515 LONG.: W 103.5627804 273' FSL 1879' FEL	NEW MEXICO EAST NAD 1983 X=778053 Y=603239 LAT.: N 32.6559954 LONG.: W 103.5641893 1090' FSL 2311' FEL	NEW MEXICO EAST NAD 1983 X=778011 Y=607320 LAT.: N 32.6672102 LONG.: W 103.5642276 110' FNL 2316' FEL	



LEASE NAME & WELL NO.: CIMAARRON STATE COM 1243H

SECTION 16 TWP 19-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 280' FNL & 1094' FEL

DISTANCE & DIRECTION

FROM INT. OF NM-529 N. & US-62 GO SOUTHWEST ON US-62 ±11.9
MILES, THENCE NORTH (RIGHT) ON A LEASE ROAD ±3.0 MILES, THENCE
NORTHEAST (RIGHT) ON A LEASE ROAD ±1.0 MILE, THENCE NORTH
(LEFT) ON A LEASE ROAD ±0.3 MILES TO A POINT ±471 FEET
SOUTHWEST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW
MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY
SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA
PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS
OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR
THIS TRANSACTION ONLY.
AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED
LOCATION ARE SHOWN HEREON.



Angel M. Baeza, P.S. No. 25116

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSITT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 882-1653 OR (800) 767-1653 • FAX: (432) 682-1743
WWW.TOPOGRAPHIC.COM

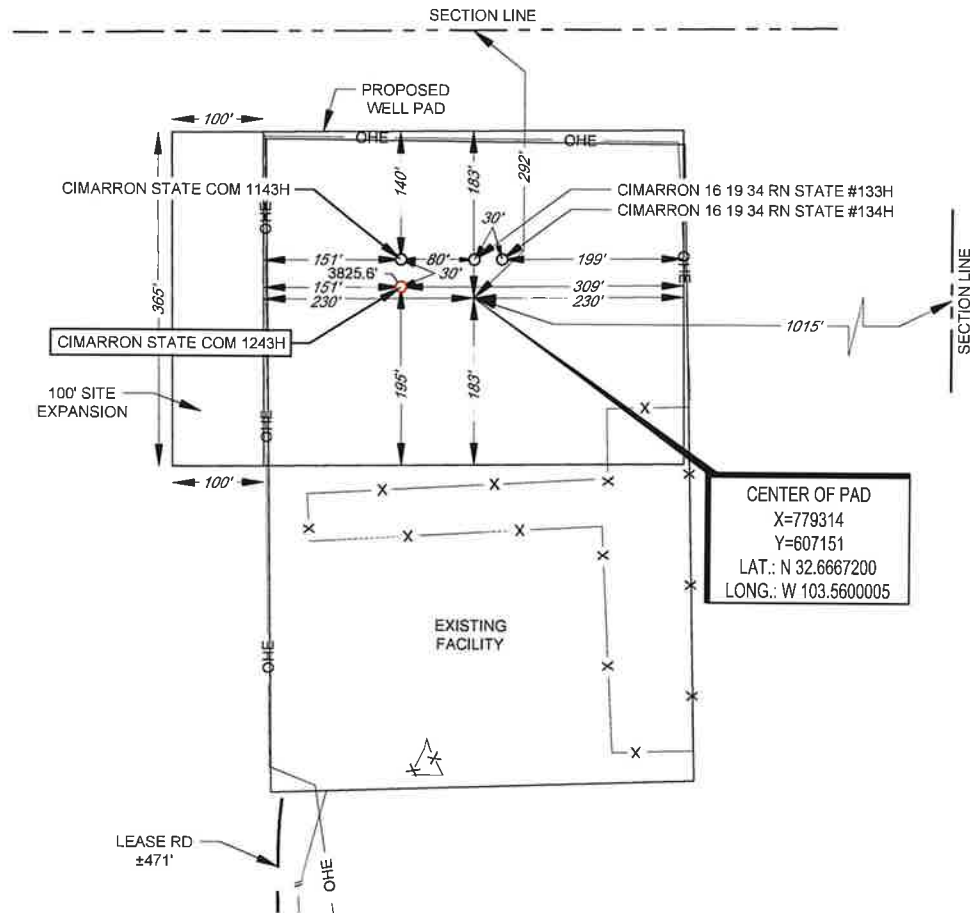
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SECTION 16, TOWNSHIP 19-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

LEGEND

- SECTION LINE
- ROAD CENTERLINE
- EXISTING PIPELINE
- OHE OVERHEAD ELECTRIC



Angel M. Baeza, P.S. No. 25116

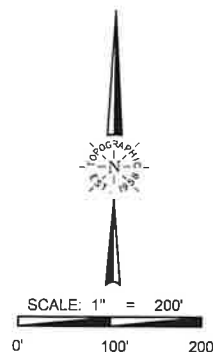
LEASE NAME & WELL NO.: CIMARRON STATE COM 1243H
1243H LATITUDE N 32.6667537 1243H LONGITUDE W 103.5602576

CENTER OF PAD IS 292' FNL & 1015' FEL

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"



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TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

Matador Production Company

Ranger/Arrowhead

Cimarron

Cimarron State Com 1243H

Wellbore #1

State Plan #1

Anticollision Summary Report

09 September, 2025

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Cimarron State Com 1243H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3853.5usft
Reference Site:	Cimarron	MD Reference:	KB @ 3853.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Cimarron State Com 1243H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Reference	State Plan #1		
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 10,000.0 us	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date 9/9/2025				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	21,360.9	State Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard	

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Cimarron						
Cimarron State Com 1143H - Wellbore #1 - State Plan #1	1,919.9	1,920.1	21.2	7.9	1.598	CC
Cimarron State Com 1143H - Wellbore #1 - State Plan #1	3,200.0	3,202.6	24.3	2.0	1.088	Level 2, ES, SF
Cimarron 1621						
Cimarron 1621 Fed Com #131H - Wellbore #1 - BLM Pla	16,900.0	15,059.6	2,743.6	2,584.4	17.240	SF
Cimarron 1621 Fed Com #131H - Wellbore #1 - BLM Pla	21,360.9	10,187.9	2,594.1	2,478.8	22.499	CC, ES
Cimarron 1621 Fed Com #132H - Wellbore #1 - BLM Pla	17,050.0	14,906.0	1,440.6	1,289.9	9.561	SF
Cimarron 1621 Fed Com #132H - Wellbore #1 - BLM Pla	21,360.9	10,204.4	1,272.8	1,157.6	11.049	CC, ES
Cimarron 1621 Fed Com #201H - Wellbore #1 - BLM PL	17,000.0	15,054.2	2,194.6	2,039.1	14.107	SF
Cimarron 1621 Fed Com #201H - Wellbore #1 - BLM PL	21,360.9	10,236.5	2,033.0	1,917.3	17.564	CC, ES
Cimarron 1621 Fed Com #202H - Wellbore #1 - BLM Pla	21,360.9	10,243.1	713.7	598.2	6.179	CC, ES, SF
Cimarron State #133H - Wellbore #1 - Wellbore #1	1,864.8	1,863.4	34.5	21.7	2.700	CC, ES, SF
Cimarron State #134H - Wellbore #1 - Wellbore #1	2,253.9	2,246.3	32.2	16.6	2.070	CC, ES, SF
Offset Ranger Wells						
Chukar State #001 - Wellbore #1 - Wellbore #1	14,900.0	8,134.0	2,670.6	2,451.4	12.182	SF
Chukar State #001 - Wellbore #1 - Wellbore #1	16,646.9	8,134.0	2,036.1	1,947.9	23.092	CC
Chukar State #001 - Wellbore #1 - Wellbore #1	16,700.0	8,134.0	2,037.0	1,947.8	22.835	ES
Pipeline 16 State - Wellbore #1 - Wellbore #1	19,490.2	10,280.7	312.7	26.9	1.094	Level 2, CC, ES, SF

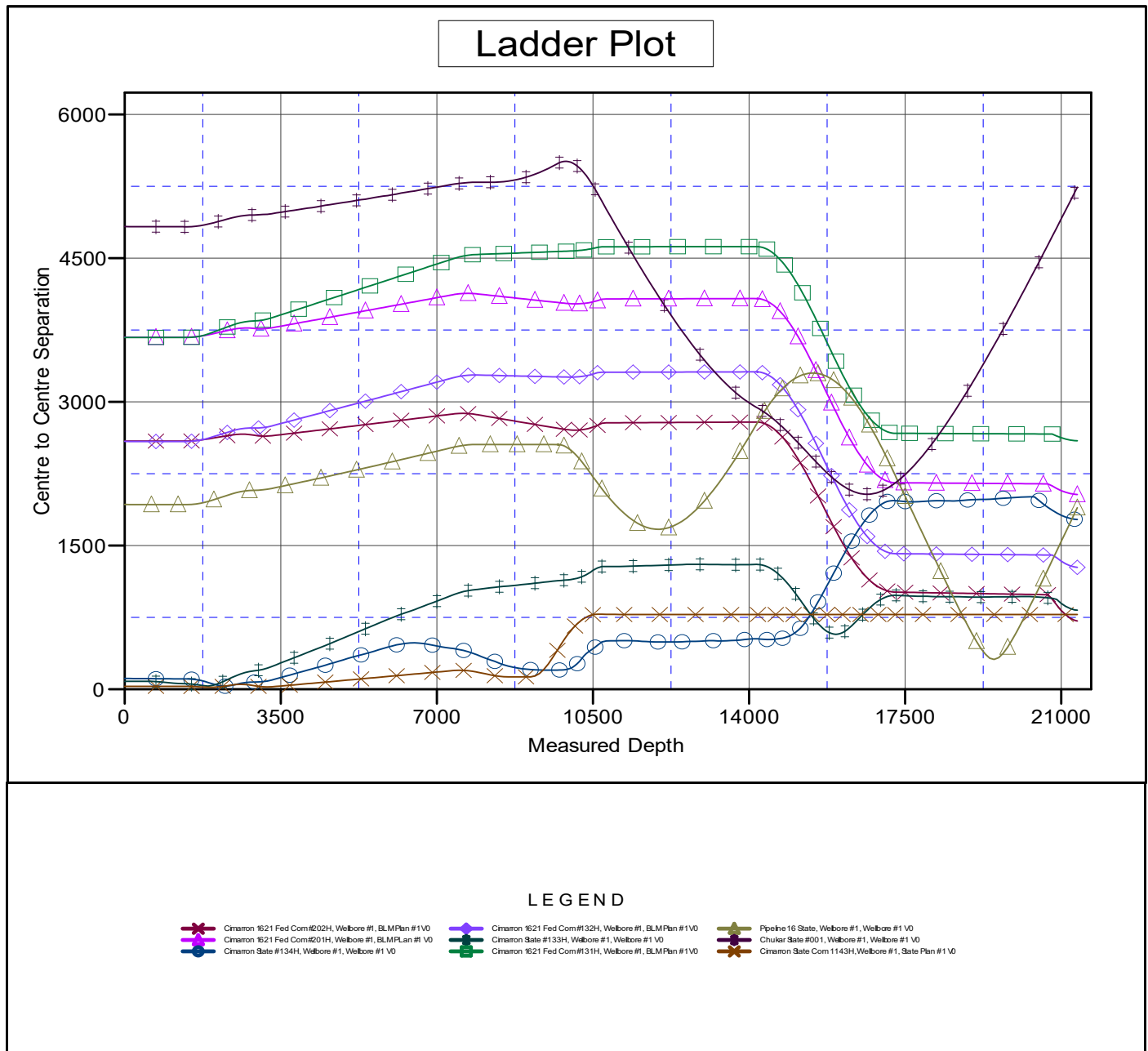
CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Cimarron State Com 1243H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3853.5usft
Reference Site:	Cimarron	MD Reference:	KB @ 3853.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Cimarron State Com 1243H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3853.5usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Cimarron State Com 1243H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.42°



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

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Cimarron State Com 1243H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3853.5usft
Reference Site:	Cimarron	MD Reference:	KB @ 3853.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Cimarron State Com 1243H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3853.5usft

Offset Depths are relative to Offset Datum

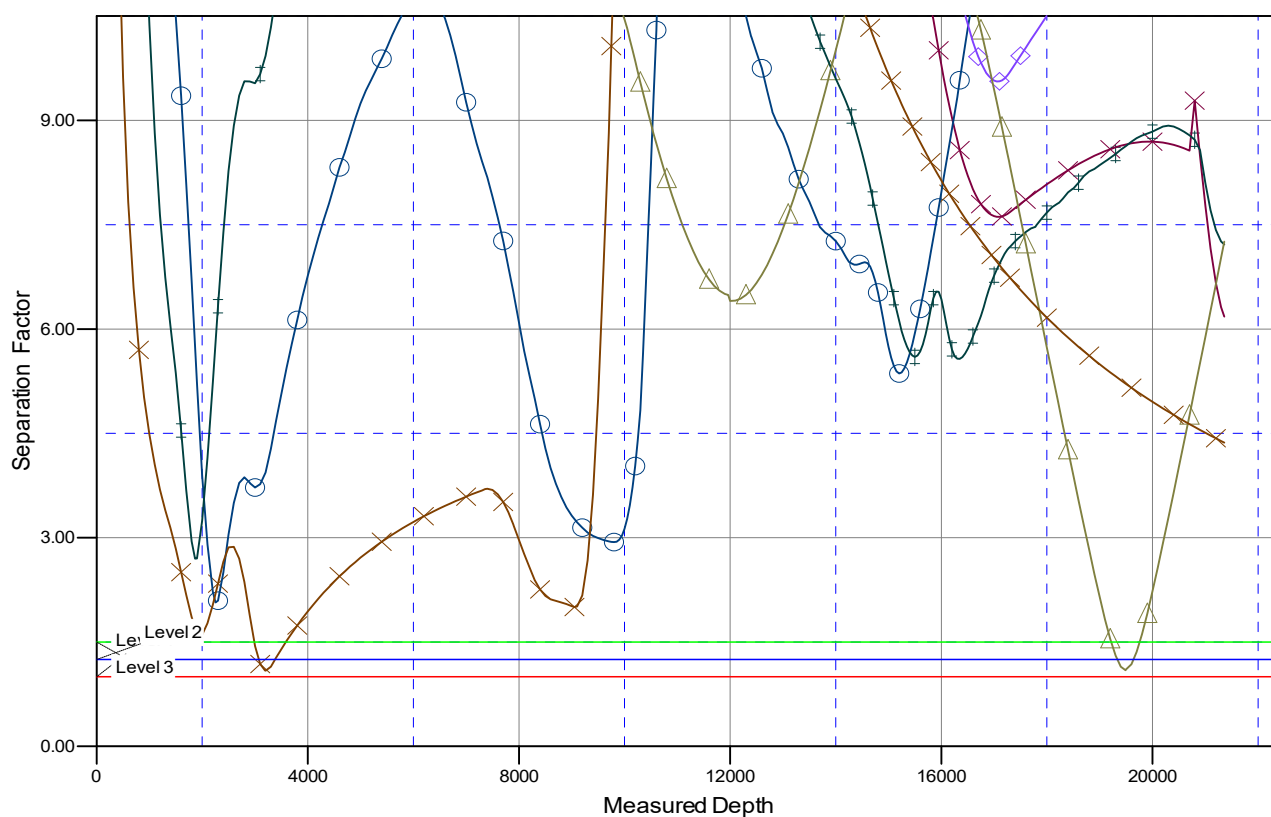
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Cimarron State Com 1243H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.42°

Separation Factor Plot



LEGEND

Cimarron 1621 Fed Com#202H, Wellbore #1, BLMPPlan #1 V0	Cimarron 1621 Fed Com#32H, Wellbore #1, BLMPPlan #1 V0	Pipeline 16 State, Wellbore #1, Wellbore #1 V0
Cimarron 1621 Fed Com#201H, Wellbore #1, BLMPPlan #1 V0	Cimarron State #133H, Wellbore #1, Wellbore #1 V0	Chukar State #001, Wellbore #1, Wellbore #1 V0
Cimarron State #134H, Wellbore #1, Wellbore #1 V0	Cimarron 1621 Fed Com#31H, Wellbore #1, BLMPPlan #1 V0	Cimarron State Com 1143H, Wellbore #1, State Plan #1 V0

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

Matador Production Company

Ranger/Arrowhead

Cimarron

Cimarron State Com 1243H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

09 September, 2025

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Cimarron State Com 1243H
Company:	Matador Production Company	TVD Reference:	KB @ 3853.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3853.5usft
Site:	Cimarron	North Reference:	Grid
Well:	Cimarron State Com 1243H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Project	Ranger/Arrowhead		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Cimarron				
Site Position:		Northing:	606,983.56 usft	Latitude:	32° 39' 58.731 N
From:	Lat/Long	Easting:	738,044.59 usft	Longitude:	103° 33' 35.274 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	Cimarron State Com 1243H					
Well Position	+N/-S	117.1 usft	Northing:	607,100.64 usft	Latitude:	32° 39' 59.889 N
	+E/-W	10.3 usft	Easting:	738,054.91 usft	Longitude:	103° 33' 35.143 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,825.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2019	6.70	60.43	47,935.96264058

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	179.49

Plan Survey Tool Program	Date	9/9/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	21,360.9	State Plan #1 (Wellbore #1)	MWD
				OWSG MWD - Standard

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Cimarron State Com 1243H
Company:	Matador Production Company	TVD Reference:	KB @ 3853.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3853.5usft
Site:	Cimarron	North Reference:	Grid
Well:	Cimarron State Com 1243H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,900.0	10.00	60.00	1,897.5	21.8	37.7	2.00	2.00	0.00	60.00	
2,400.0	10.00	60.00	2,389.9	65.2	112.9	0.00	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,887.3	86.9	150.6	2.00	-2.00	0.00	180.00	
3,300.0	8.00	76.09	3,286.0	93.6	177.6	2.00	2.00	0.00	76.09	
7,359.2	8.00	76.09	7,305.7	229.4	726.0	0.00	0.00	0.00	0.00	
7,892.5	0.00	0.00	7,837.3	238.4	762.1	1.50	-1.50	0.00	180.00	
9,702.2	0.00	0.00	9,647.0	238.4	762.1	0.00	0.00	0.00	0.00	KOP - Cimarron Sta
10,602.2	90.00	179.50	10,220.0	-334.6	767.1	10.00	10.00	0.00	179.50	
14,171.4	90.00	179.50	10,220.0	-3,903.6	798.1	0.00	0.00	0.00	0.00	DP1 - Cimarron Sta
15,725.4	90.00	269.40	10,220.0	-4,902.6	-181.9	5.79	0.00	5.79	90.00	Apex - Cimarron Sta
17,280.7	90.00	359.44	10,220.0	-3,922.6	-1,181.9	5.79	0.00	5.79	90.00	DP2 - Cimarron Sta
17,471.1	90.00	359.42	10,220.0	-3,732.2	-1,183.8	0.01	0.00	-0.01	-82.45	
21,360.9	90.00	359.42	10,220.0	157.4	-1,222.9	0.00	0.00	0.00	0.00	BHL - Cimarron Sta

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Cimarron State Com 1243H
Company:	Matador Production Company	TVD Reference:	KB @ 3853.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3853.5usft
Site:	Cimarron	North Reference:	Grid
Well:	Cimarron State Com 1243H	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
Start Build 2.00									
1,500.0	2.00	60.00	1,500.0	0.9	1.5	-0.9	2.00	2.00	0.00
1,600.0	4.00	60.00	1,599.8	3.5	6.0	-3.4	2.00	2.00	0.00
1,700.0	6.00	60.00	1,699.5	7.8	13.6	-7.7	2.00	2.00	0.00
1,800.0	8.00	60.00	1,798.7	13.9	24.1	-13.7	2.00	2.00	0.00
1,900.0	10.00	60.00	1,897.5	21.8	37.7	-21.4	2.00	2.00	0.00
Start 500.0 hold at 1900.0 MD									
2,000.0	10.00	60.00	1,995.9	30.4	52.7	-30.0	0.00	0.00	0.00
2,100.0	10.00	60.00	2,094.4	39.1	67.8	-38.5	0.00	0.00	0.00
2,200.0	10.00	60.00	2,192.9	47.8	82.8	-47.1	0.00	0.00	0.00
2,300.0	10.00	60.00	2,291.4	56.5	97.8	-55.6	0.00	0.00	0.00
2,400.0	10.00	60.00	2,389.9	65.2	112.9	-64.2	0.00	0.00	0.00
Start Drop -2.00									
2,500.0	8.00	60.00	2,488.6	73.0	126.4	-71.9	2.00	-2.00	0.00
2,600.0	6.00	60.00	2,587.9	79.1	137.0	-77.9	2.00	-2.00	0.00
2,700.0	4.00	60.00	2,687.5	83.4	144.5	-82.2	2.00	-2.00	0.00
2,800.0	2.00	60.00	2,787.4	86.1	149.1	-84.7	2.00	-2.00	0.00
2,900.0	0.00	0.00	2,887.3	86.9	150.6	-85.6	2.00	-2.00	0.00
Start Build 2.00									
3,000.0	2.00	76.09	2,987.3	87.4	152.3	-86.0	2.00	2.00	0.00
3,100.0	4.00	76.09	3,087.2	88.6	157.3	-87.2	2.00	2.00	0.00
3,200.0	6.00	76.09	3,186.8	90.7	165.8	-89.2	2.00	2.00	0.00
3,300.0	8.00	76.09	3,286.0	93.6	177.6	-92.1	2.00	2.00	0.00
Start 4059.2 hold at 3300.0 MD									
3,400.0	8.00	76.09	3,385.1	97.0	191.1	-95.3	0.00	0.00	0.00
3,500.0	8.00	76.09	3,484.1	100.3	204.7	-98.5	0.00	0.00	0.00
3,600.0	8.00	76.09	3,583.1	103.7	218.2	-101.7	0.00	0.00	0.00
3,700.0	8.00	76.09	3,682.1	107.0	231.7	-105.0	0.00	0.00	0.00
3,800.0	8.00	76.09	3,781.2	110.4	245.2	-108.2	0.00	0.00	0.00
3,900.0	8.00	76.09	3,880.2	113.7	258.7	-111.4	0.00	0.00	0.00
4,000.0	8.00	76.09	3,979.2	117.1	272.2	-114.6	0.00	0.00	0.00
4,100.0	8.00	76.09	4,078.3	120.4	285.7	-117.9	0.00	0.00	0.00
4,200.0	8.00	76.09	4,177.3	123.7	299.2	-121.1	0.00	0.00	0.00
4,300.0	8.00	76.09	4,276.3	127.1	312.7	-124.3	0.00	0.00	0.00
4,400.0	8.00	76.09	4,375.3	130.4	326.2	-127.5	0.00	0.00	0.00
4,500.0	8.00	76.09	4,474.4	133.8	339.7	-130.8	0.00	0.00	0.00
4,600.0	8.00	76.09	4,573.4	137.1	353.3	-134.0	0.00	0.00	0.00
4,700.0	8.00	76.09	4,672.4	140.5	366.8	-137.2	0.00	0.00	0.00
4,800.0	8.00	76.09	4,771.4	143.8	380.3	-140.4	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Cimarron State Com 1243H
Company:	Matador Production Company	TVD Reference:	KB @ 3853.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3853.5usft
Site:	Cimarron	North Reference:	Grid
Well:	Cimarron State Com 1243H	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)
4,900.0	8.00	76.09	4,870.5	147.2	393.8	-143.7	0.00	0.00	0.00
5,000.0	8.00	76.09	4,969.5	150.5	407.3	-146.9	0.00	0.00	0.00
5,100.0	8.00	76.09	5,068.5	153.9	420.8	-150.1	0.00	0.00	0.00
5,200.0	8.00	76.09	5,167.5	157.2	434.3	-153.3	0.00	0.00	0.00
5,300.0	8.00	76.09	5,266.6	160.5	447.8	-156.6	0.00	0.00	0.00
5,400.0	8.00	76.09	5,365.6	163.9	461.3	-159.8	0.00	0.00	0.00
5,500.0	8.00	76.09	5,464.6	167.2	474.8	-163.0	0.00	0.00	0.00
5,600.0	8.00	76.09	5,563.7	170.6	488.4	-166.2	0.00	0.00	0.00
5,700.0	8.00	76.09	5,662.7	173.9	501.9	-169.5	0.00	0.00	0.00
5,800.0	8.00	76.09	5,761.7	177.3	515.4	-172.7	0.00	0.00	0.00
5,900.0	8.00	76.09	5,860.7	180.6	528.9	-175.9	0.00	0.00	0.00
6,000.0	8.00	76.09	5,959.8	184.0	542.4	-179.1	0.00	0.00	0.00
6,100.0	8.00	76.09	6,058.8	187.3	555.9	-182.4	0.00	0.00	0.00
6,200.0	8.00	76.09	6,157.8	190.7	569.4	-185.6	0.00	0.00	0.00
6,300.0	8.00	76.09	6,256.8	194.0	582.9	-188.8	0.00	0.00	0.00
6,400.0	8.00	76.09	6,355.9	197.3	596.4	-192.0	0.00	0.00	0.00
6,500.0	8.00	76.09	6,454.9	200.7	609.9	-195.3	0.00	0.00	0.00
6,600.0	8.00	76.09	6,553.9	204.0	623.4	-198.5	0.00	0.00	0.00
6,700.0	8.00	76.09	6,652.9	207.4	637.0	-201.7	0.00	0.00	0.00
6,800.0	8.00	76.09	6,752.0	210.7	650.5	-204.9	0.00	0.00	0.00
6,900.0	8.00	76.09	6,851.0	214.1	664.0	-208.2	0.00	0.00	0.00
7,000.0	8.00	76.09	6,950.0	217.4	677.5	-211.4	0.00	0.00	0.00
7,100.0	8.00	76.09	7,049.1	220.8	691.0	-214.6	0.00	0.00	0.00
7,200.0	8.00	76.09	7,148.1	224.1	704.5	-217.8	0.00	0.00	0.00
7,300.0	8.00	76.09	7,247.1	227.5	718.0	-221.0	0.00	0.00	0.00
7,359.2	8.00	76.09	7,305.7	229.4	726.0	-223.0	0.00	0.00	0.00
Start Drop -1.50									
7,400.0	7.39	76.09	7,346.2	230.7	731.3	-224.2	1.50	-1.50	0.00
7,500.0	5.89	76.09	7,445.5	233.5	742.5	-226.9	1.50	-1.50	0.00
7,600.0	4.39	76.09	7,545.1	235.7	751.2	-229.0	1.50	-1.50	0.00
7,700.0	2.89	76.09	7,644.9	237.2	757.4	-230.4	1.50	-1.50	0.00
7,800.0	1.39	76.09	7,744.8	238.1	761.0	-231.3	1.50	-1.50	0.00
7,892.5	0.00	0.00	7,837.3	238.4	762.1	-231.6	1.50	-1.50	0.00
Start 1809.7 hold at 7892.5 MD									
7,900.0	0.00	0.00	7,844.8	238.4	762.1	-231.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,944.8	238.4	762.1	-231.6	0.00	0.00	0.00
8,100.0	0.00	0.00	8,044.8	238.4	762.1	-231.6	0.00	0.00	0.00
8,200.0	0.00	0.00	8,144.8	238.4	762.1	-231.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,244.8	238.4	762.1	-231.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,344.8	238.4	762.1	-231.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,444.8	238.4	762.1	-231.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,544.8	238.4	762.1	-231.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,644.8	238.4	762.1	-231.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,744.8	238.4	762.1	-231.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,844.8	238.4	762.1	-231.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,944.8	238.4	762.1	-231.6	0.00	0.00	0.00
9,100.0	0.00	0.00	9,044.8	238.4	762.1	-231.6	0.00	0.00	0.00
9,200.0	0.00	0.00	9,144.8	238.4	762.1	-231.6	0.00	0.00	0.00
9,300.0	0.00	0.00	9,244.8	238.4	762.1	-231.6	0.00	0.00	0.00
9,400.0	0.00	0.00	9,344.8	238.4	762.1	-231.6	0.00	0.00	0.00
9,500.0	0.00	0.00	9,444.8	238.4	762.1	-231.6	0.00	0.00	0.00
9,600.0	0.00	0.00	9,544.8	238.4	762.1	-231.6	0.00	0.00	0.00
9,700.0	0.00	0.00	9,644.8	238.4	762.1	-231.6	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Cimarron State Com 1243H
Company:	Matador Production Company	TVD Reference:	KB @ 3853.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3853.5usft
Site:	Cimarron	North Reference:	Grid
Well:	Cimarron State Com 1243H	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)
9,702.2	0.00	0.00	9,647.0	238.4	762.1	-231.6	0.00	0.00	0.00
Start Build 10.00 - KOP - Cimarron State Com 1243H									
9,800.0	9.78	179.50	9,744.3	230.0	762.2	-223.2	10.00	10.00	0.00
9,900.0	19.78	179.50	9,840.9	204.6	762.4	-197.8	10.00	10.00	0.00
9,944.2	24.20	179.50	9,881.9	188.0	762.5	-181.2	10.00	10.00	0.00
PTP - Cimarron State Com 1243H									
10,000.0	29.78	179.50	9,931.6	162.7	762.7	-155.9	10.00	10.00	0.00
10,100.0	39.78	179.50	10,013.6	105.7	763.2	-98.9	10.00	10.00	0.00
10,200.0	49.78	179.50	10,084.5	35.4	763.9	-28.6	10.00	10.00	0.00
10,300.0	59.78	179.50	10,142.1	-46.2	764.6	53.0	10.00	10.00	0.00
10,400.0	69.78	179.50	10,184.6	-136.6	765.4	143.4	10.00	10.00	0.00
10,500.0	79.78	179.50	10,210.9	-232.9	766.2	239.7	10.00	10.00	0.00
10,600.0	89.78	179.50	10,220.0	-332.4	767.1	339.2	10.00	10.00	0.00
10,602.2	90.00	179.50	10,220.0	-334.6	767.1	341.4	10.00	10.00	0.00
Start 3569.2 hold at 10602.2 MD									
10,700.0	90.00	179.50	10,220.0	-432.4	767.9	439.2	0.00	0.00	0.00
10,800.0	90.00	179.50	10,220.0	-532.4	768.8	539.2	0.00	0.00	0.00
10,900.0	90.00	179.50	10,220.0	-632.4	769.7	639.2	0.00	0.00	0.00
11,000.0	90.00	179.50	10,220.0	-732.4	770.6	739.2	0.00	0.00	0.00
11,100.0	90.00	179.50	10,220.0	-832.4	771.4	839.2	0.00	0.00	0.00
11,200.0	90.00	179.50	10,220.0	-932.3	772.3	939.2	0.00	0.00	0.00
11,300.0	90.00	179.50	10,220.0	-1,032.3	773.2	1,039.2	0.00	0.00	0.00
11,400.0	90.00	179.50	10,220.0	-1,132.3	774.0	1,139.2	0.00	0.00	0.00
11,500.0	90.00	179.50	10,220.0	-1,232.3	774.9	1,239.2	0.00	0.00	0.00
11,600.0	90.00	179.50	10,220.0	-1,332.3	775.8	1,339.2	0.00	0.00	0.00
11,700.0	90.00	179.50	10,220.0	-1,432.3	776.7	1,439.2	0.00	0.00	0.00
11,800.0	90.00	179.50	10,220.0	-1,532.3	777.5	1,539.2	0.00	0.00	0.00
11,900.0	90.00	179.50	10,220.0	-1,632.3	778.4	1,639.2	0.00	0.00	0.00
12,000.0	90.00	179.50	10,220.0	-1,732.3	779.3	1,739.2	0.00	0.00	0.00
12,100.0	90.00	179.50	10,220.0	-1,832.3	780.2	1,839.2	0.00	0.00	0.00
12,200.0	90.00	179.50	10,220.0	-1,932.3	781.0	1,939.2	0.00	0.00	0.00
12,300.0	90.00	179.50	10,220.0	-2,032.3	781.9	2,039.2	0.00	0.00	0.00
12,400.0	90.00	179.50	10,220.0	-2,132.3	782.8	2,139.2	0.00	0.00	0.00
12,500.0	90.00	179.50	10,220.0	-2,232.3	783.6	2,239.2	0.00	0.00	0.00
12,600.0	90.00	179.50	10,220.0	-2,332.3	784.5	2,339.2	0.00	0.00	0.00
12,700.0	90.00	179.50	10,220.0	-2,432.3	785.4	2,439.2	0.00	0.00	0.00
12,800.0	90.00	179.50	10,220.0	-2,532.3	786.3	2,539.2	0.00	0.00	0.00
12,900.0	90.00	179.50	10,220.0	-2,632.3	787.1	2,639.2	0.00	0.00	0.00
13,000.0	90.00	179.50	10,220.0	-2,732.3	788.0	2,739.2	0.00	0.00	0.00
13,100.0	90.00	179.50	10,220.0	-2,832.3	788.9	2,839.2	0.00	0.00	0.00
13,200.0	90.00	179.50	10,220.0	-2,932.3	789.8	2,939.2	0.00	0.00	0.00
13,300.0	90.00	179.50	10,220.0	-3,032.3	790.6	3,039.2	0.00	0.00	0.00
13,400.0	90.00	179.50	10,220.0	-3,132.3	791.5	3,139.2	0.00	0.00	0.00
13,500.0	90.00	179.50	10,220.0	-3,232.3	792.4	3,239.2	0.00	0.00	0.00
13,600.0	90.00	179.50	10,220.0	-3,332.3	793.2	3,339.2	0.00	0.00	0.00
13,700.0	90.00	179.50	10,220.0	-3,432.3	794.1	3,439.2	0.00	0.00	0.00
13,800.0	90.00	179.50	10,220.0	-3,532.3	795.0	3,539.2	0.00	0.00	0.00
13,900.0	90.00	179.50	10,220.0	-3,632.2	795.9	3,639.2	0.00	0.00	0.00
14,000.0	90.00	179.50	10,220.0	-3,732.2	796.7	3,739.2	0.00	0.00	0.00
14,100.0	90.00	179.50	10,220.0	-3,832.2	797.6	3,839.2	0.00	0.00	0.00
14,171.4	90.00	179.50	10,220.0	-3,903.6	798.1	3,910.6	0.00	0.00	0.00
Start DLS 5.79 TFO 90.00 - DP1 - Cimarron State Com 1243H									
14,200.0	90.00	181.15	10,220.0	-3,932.2	797.9	3,939.2	5.79	0.00	5.79
14,300.0	90.00	186.94	10,220.0	-4,031.9	790.9	4,038.8	5.79	0.00	5.79

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Cimarron State Com 1243H
Company:	Matador Production Company	TVD Reference:	KB @ 3853.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3853.5usft
Site:	Cimarron	North Reference:	Grid
Well:	Cimarron State Com 1243H	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)
14,400.0	90.00	192.72	10,220.0	-4,130.4	773.8	4,137.2	5.79	0.00	5.79
14,500.0	90.00	198.51	10,220.0	-4,226.7	746.9	4,233.2	5.79	0.00	5.79
14,600.0	90.00	204.29	10,220.0	-4,319.8	710.4	4,325.9	5.79	0.00	5.79
14,700.0	90.00	210.08	10,220.0	-4,408.7	664.7	4,414.4	5.79	0.00	5.79
14,800.0	90.00	215.86	10,220.0	-4,492.5	610.3	4,497.8	5.79	0.00	5.79
14,900.0	90.00	221.65	10,220.0	-4,570.5	547.8	4,575.2	5.79	0.00	5.79
15,000.0	90.00	227.44	10,220.0	-4,641.7	477.6	4,645.8	5.79	0.00	5.79
15,100.0	90.00	233.22	10,220.0	-4,705.5	400.7	4,708.9	5.79	0.00	5.79
15,133.2	90.00	235.14	10,220.0	-4,725.0	373.8	4,728.1	5.79	0.00	5.79
NPZ1 - Cimarron State Com 1243H									
15,200.0	90.00	239.01	10,220.0	-4,761.3	317.7	4,763.9	5.79	0.00	5.79
15,300.0	90.00	244.79	10,220.0	-4,808.4	229.6	4,810.2	5.79	0.00	5.79
15,400.0	90.00	250.58	10,220.0	-4,846.3	137.1	4,847.3	5.79	0.00	5.79
15,500.0	90.00	256.36	10,220.0	-4,874.8	41.3	4,874.9	5.79	0.00	5.79
15,600.0	90.00	262.15	10,220.0	-4,893.4	-56.9	4,892.7	5.79	0.00	5.79
15,700.0	90.00	267.93	10,220.0	-4,902.0	-156.5	4,900.5	5.79	0.00	5.79
15,725.4	90.00	269.40	10,220.0	-4,902.6	-181.9	4,900.8	5.79	0.00	5.79
Start DLS 5.79 TFO 90.00 - Apex - Cimarron State Com 1243									
15,800.0	90.00	273.72	10,220.0	-4,900.6	-256.5	4,898.1	5.79	0.00	5.79
15,900.0	90.00	279.51	10,220.0	-4,889.1	-355.8	4,885.7	5.79	0.00	5.79
16,000.0	90.00	285.30	10,220.0	-4,867.6	-453.4	4,863.4	5.79	0.00	5.79
16,100.0	90.00	291.09	10,220.0	-4,836.4	-548.3	4,831.3	5.79	0.00	5.79
16,200.0	90.00	296.88	10,220.0	-4,795.8	-639.7	4,789.9	5.79	0.00	5.79
16,300.0	90.00	302.67	10,220.0	-4,746.2	-726.4	4,739.5	5.79	0.00	5.79
16,318.5	90.00	303.74	10,220.0	-4,736.0	-742.0	4,729.2	5.79	0.00	5.79
NPZ2 - Cimarron State Com 1243H									
16,400.0	90.00	308.45	10,220.0	-4,688.0	-807.8	4,680.7	5.79	0.00	5.79
16,500.0	90.00	314.24	10,220.0	-4,622.0	-882.8	4,614.0	5.79	0.00	5.79
16,600.0	90.00	320.03	10,220.0	-4,548.7	-950.8	4,540.1	5.79	0.00	5.79
16,700.0	90.00	325.82	10,220.0	-4,469.0	-1,011.0	4,459.8	5.79	0.00	5.79
16,800.0	90.00	331.61	10,220.0	-4,383.5	-1,063.0	4,373.9	5.79	0.00	5.79
16,900.0	90.00	337.40	10,220.0	-4,293.3	-1,106.0	4,283.3	5.79	0.00	5.79
17,000.0	90.00	343.19	10,220.0	-4,199.2	-1,139.7	4,188.9	5.79	0.00	5.79
17,100.0	90.00	348.98	10,220.0	-4,102.2	-1,163.7	4,091.7	5.79	0.00	5.79
17,200.0	90.00	354.77	10,220.0	-4,003.2	-1,177.8	3,992.6	5.79	0.00	5.79
17,280.7	90.00	359.44	10,220.0	-3,922.6	-1,181.9	3,912.0	5.79	0.00	5.79
Start DLS 0.01 TFO -82.45 - DP2 - Cimarron State Com 1243H									
17,300.0	90.00	359.44	10,220.0	-3,903.4	-1,182.1	3,892.7	0.01	0.00	-0.01
17,400.0	90.00	359.43	10,220.0	-3,803.4	-1,183.1	3,792.7	0.01	0.00	-0.01
17,471.1	90.00	359.42	10,220.0	-3,732.2	-1,183.8	3,721.6	0.01	0.00	-0.01
Start 3889.8 hold at 17471.1 MD									
17,500.0	90.00	359.42	10,220.0	-3,703.4	-1,184.1	3,692.7	0.00	0.00	0.00
17,600.0	90.00	359.42	10,220.0	-3,603.4	-1,185.1	3,592.7	0.00	0.00	0.00
17,700.0	90.00	359.42	10,220.0	-3,503.4	-1,186.1	3,492.7	0.00	0.00	0.00
17,800.0	90.00	359.42	10,220.0	-3,403.4	-1,187.1	3,392.7	0.00	0.00	0.00
17,900.0	90.00	359.42	10,220.0	-3,303.4	-1,188.1	3,292.7	0.00	0.00	0.00
18,000.0	90.00	359.42	10,220.0	-3,203.4	-1,189.1	3,192.7	0.00	0.00	0.00
18,100.0	90.00	359.42	10,220.0	-3,103.4	-1,190.1	3,092.7	0.00	0.00	0.00
18,200.0	90.00	359.42	10,220.0	-3,003.4	-1,191.1	2,992.7	0.00	0.00	0.00
18,300.0	90.00	359.42	10,220.0	-2,903.4	-1,192.1	2,892.7	0.00	0.00	0.00
18,400.0	90.00	359.42	10,220.0	-2,803.4	-1,193.1	2,792.7	0.00	0.00	0.00
18,500.0	90.00	359.42	10,220.0	-2,703.4	-1,194.1	2,692.7	0.00	0.00	0.00
18,600.0	90.00	359.42	10,220.0	-2,603.4	-1,195.2	2,592.7	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Cimarron State Com 1243H
Company:	Matador Production Company	TVD Reference:	KB @ 3853.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3853.5usft
Site:	Cimarron	North Reference:	Grid
Well:	Cimarron State Com 1243H	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)	
18,700.0	90.00	359.42	10,220.0	-2,503.4	-1,196.2	2,492.7	0.00	0.00	0.00	
18,800.0	90.00	359.42	10,220.0	-2,403.4	-1,197.2	2,392.7	0.00	0.00	0.00	
18,900.0	90.00	359.42	10,220.0	-2,303.4	-1,198.2	2,292.7	0.00	0.00	0.00	
19,000.0	90.00	359.42	10,220.0	-2,203.4	-1,199.2	2,192.7	0.00	0.00	0.00	
19,100.0	90.00	359.42	10,220.0	-2,103.5	-1,200.2	2,092.7	0.00	0.00	0.00	
19,200.0	90.00	359.42	10,220.0	-2,003.5	-1,201.2	1,992.7	0.00	0.00	0.00	
19,300.0	90.00	359.42	10,220.0	-1,903.5	-1,202.2	1,892.7	0.00	0.00	0.00	
19,400.0	90.00	359.42	10,220.0	-1,803.5	-1,203.2	1,792.7	0.00	0.00	0.00	
19,500.0	90.00	359.42	10,220.0	-1,703.5	-1,204.2	1,692.7	0.00	0.00	0.00	
19,600.0	90.00	359.42	10,220.0	-1,603.5	-1,205.2	1,592.7	0.00	0.00	0.00	
19,700.0	90.00	359.42	10,220.0	-1,503.5	-1,206.2	1,492.7	0.00	0.00	0.00	
19,800.0	90.00	359.42	10,220.0	-1,403.5	-1,207.2	1,392.7	0.00	0.00	0.00	
19,900.0	90.00	359.42	10,220.0	-1,303.5	-1,208.2	1,292.7	0.00	0.00	0.00	
20,000.0	90.00	359.42	10,220.0	-1,203.5	-1,209.2	1,192.7	0.00	0.00	0.00	
20,100.0	90.00	359.42	10,220.0	-1,103.5	-1,210.2	1,092.7	0.00	0.00	0.00	
20,200.0	90.00	359.42	10,220.0	-1,003.5	-1,211.2	992.7	0.00	0.00	0.00	
20,300.0	90.00	359.42	10,220.0	-903.5	-1,212.2	892.7	0.00	0.00	0.00	
20,400.0	90.00	359.42	10,220.0	-803.5	-1,213.3	792.7	0.00	0.00	0.00	
20,500.0	90.00	359.42	10,220.0	-703.5	-1,214.3	692.7	0.00	0.00	0.00	
20,600.0	90.00	359.42	10,220.0	-603.5	-1,215.3	592.7	0.00	0.00	0.00	
20,700.0	90.00	359.42	10,220.0	-503.5	-1,216.3	492.7	0.00	0.00	0.00	
20,800.0	90.00	359.42	10,220.0	-403.5	-1,217.3	392.7	0.00	0.00	0.00	
20,900.0	90.00	359.42	10,220.0	-303.5	-1,218.3	292.7	0.00	0.00	0.00	
21,000.0	90.00	359.42	10,220.0	-203.6	-1,219.3	192.7	0.00	0.00	0.00	
21,100.0	90.00	359.42	10,220.0	-103.6	-1,220.3	92.7	0.00	0.00	0.00	
21,200.0	90.00	359.42	10,220.0	-3.6	-1,221.3	-7.3	0.00	0.00	0.00	
21,300.0	90.00	359.42	10,220.0	96.4	-1,222.3	-107.3	0.00	0.00	0.00	
21,360.9	90.00	359.42	10,220.0	157.4	-1,222.9	-168.2	0.00	0.00	0.00	
TD at 21360.9 - BHL - Cimarron State Com 1243H										

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Cimarron State Com 1243H
Company:	Matador Production Company	TVD Reference:	KB @ 3853.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3853.5usft
Site:	Cimarron	North Reference:	Grid
Well:	Cimarron State Com 1243H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
KOP - Cimarron State - plan hits target center - Point	0.00	0.01	9,647.0	238.4	762.1	607,339.00	738,817.00	32° 40' 2.192 N	103° 33' 26.208 W
PTP - Cimarron State - plan hits target center - Point	0.00	0.00	9,881.9	188.0	762.5	607,288.64	738,817.44	32° 40' 1.694 N	103° 33' 26.207 W
NPZ2 - Cimarron Stat - plan hits target center - Point	0.00	0.00	10,220.0	-4,736.0	-742.0	602,364.64	737,312.95	32° 39' 13.080 N	103° 33' 44.224 W
Apex - Cimarron State - plan hits target center - Point	0.00	0.00	10,220.0	-4,902.6	-181.9	602,198.00	737,873.00	32° 39' 11.391 N	103° 33' 37.688 W
NPZ1 - Cimarron Stat - plan hits target center - Point	0.00	0.00	10,220.0	-4,725.0	373.7	602,375.64	738,428.66	32° 39' 13.109 N	103° 33' 31.174 W
BHL - Cimarron State - plan hits target center - Point	0.00	0.00	10,220.0	157.4	-1,222.9	607,258.00	736,832.00	32° 40' 1.534 N	103° 33' 49.435 W
DP1 - Cimarron State - plan hits target center - Point	0.00	0.00	10,220.0	-3,903.6	798.1	603,197.00	738,853.00	32° 39' 21.205 N	103° 33' 26.141 W
DP2 - Cimarron State - plan hits target center - Point	0.00	0.00	10,220.0	-3,922.6	-1,181.9	603,178.00	736,873.00	32° 39' 21.160 N	103° 33' 49.301 W

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,400.0	1,400.0	0.0	0.0	Start Build 2.00
1,900.0	1,897.5	21.8	37.7	Start 500.0 hold at 1900.0 MD
2,400.0	2,389.9	65.2	112.9	Start Drop -2.00
2,900.0	2,887.3	86.9	150.6	Start Build 2.00
3,300.0	3,286.0	93.6	177.6	Start 4059.2 hold at 3300.0 MD
7,359.2	7,305.7	229.4	726.0	Start Drop -1.50
7,892.5	7,837.3	238.4	762.1	Start 1809.7 hold at 7892.5 MD
9,702.2	9,647.0	238.4	762.1	Start Build 10.00
10,602.2	10,220.0	-334.6	767.1	Start 3569.2 hold at 10602.2 MD
14,171.4	10,220.0	-3,903.6	798.1	Start DLS 5.79 TFO 90.00
15,725.4	10,220.0	-4,902.6	-181.9	Start DLS 5.79 TFO 90.00
17,280.7	10,220.0	-3,922.6	-1,181.9	Start DLS 0.01 TFO -82.45
17,471.1	10,220.0	-3,732.2	-1,183.8	Start 3889.8 hold at 17471.1 MD
21,360.9	10,220.0	157.4	-1,222.9	TD at 21360.9

Well Name: Cimarron State Com 1243H										
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	20	13.375	J-55	54.50	1781	0	2063	0	Option to drill surface hole with surface setting rig
INT 1	Diesel Brine Emulsion	9.875	7.625	P-110	29.70	9602	0	2076	0	Option to cement surface casing offline
PROD	OBM	6.75	5.5	P-110	20.00	21360	0	1131	9402	Option to run DV tool and Packer.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 509647

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 509647
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Prior to production of this well a change to the well name/number is required to comply with the OCD well naming convention.	10/27/2025
matthew.gomez	All previous COA's still apply.	10/27/2025