

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

Form C-101
August 1, 2011

Permit 394616

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240		2. OGRID Number 228937
4. Property Code 337724		3. API Number 30-025-55310
5. Property Name John Stewart State Com		6. Well No. 220H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	22	26S	36E	O	459	S	2030	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	27	26S	36E	C	100	N	1980	W	Lea

9. Pool Information

WC-025 G-09 S263619C;WOLFCAMP	98234
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 2905
16. Multiple N	17. Proposed Depth 27980	18. Formation Wolfcamp	19. Contractor	20. Spud Date 1/19/2026
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	2263	1525	0
Int1	12.25	10.75	45.5	5760	1109	0
Int2	9.875	7.625	29.7	11209	2204	0
Prod	6.75	5.5	20	27980	1630	11009

Casing/Cement Program: Additional Comments

Surface - Option to drill surface hole with surface setting rig Option to cement surface casing offline Int 1 - Option to run DV tool and Packer. Int 2 - Option to run DV tool and Packer.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	3000	Cameron
Double Ram	10000	5000	Cameron
Pipe	10000	5000	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.	OIL CONSERVATION DIVISION
Signature:	
Printed Name: Electronically filed by Brett A Jennings	Approved By: Jeffrey Harrison
Title: Regulatory Analyst	Title: Petroleum Specialist III
Email Address: brett.jennings@matadorresources.com	Approved Date: 10/2/2025 Expiration Date: 10/2/2027
Date: 9/9/2025 Phone: 972-629-2160	Conditions of Approval Attached

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 30-025-55310	Pool Code 98234	Pool Name WC-025 G-09 S263619C;WOLFCAMP
Property Code 337724	Property Name JOHN STEWART STATE COM	Well Number 220H
OGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 2905'
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
O	22	26-S	36-E	-	459' S	2030' E	N 32.0227834	W 103.2510859	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
C	27	26-S	36-E	-	100' N	1980' W	N 32.0212529	W 103.2551535	LEA

Dedicated Acres 467.30	Infill or Defining Well Defining	Defining Well API Pending	Overlapping Spacing Unit (Y/N) N	Consolidated Code F
Order Numbers Pending (Forced Pooling)			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
O	22	26-S	36-E	-	400' S	1980' E	N 32.0226211	W 103.2509246	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
B	27	26-S	36-E	-	100' N	1980' E	N 32.0212468	W 103.2509252	LEA

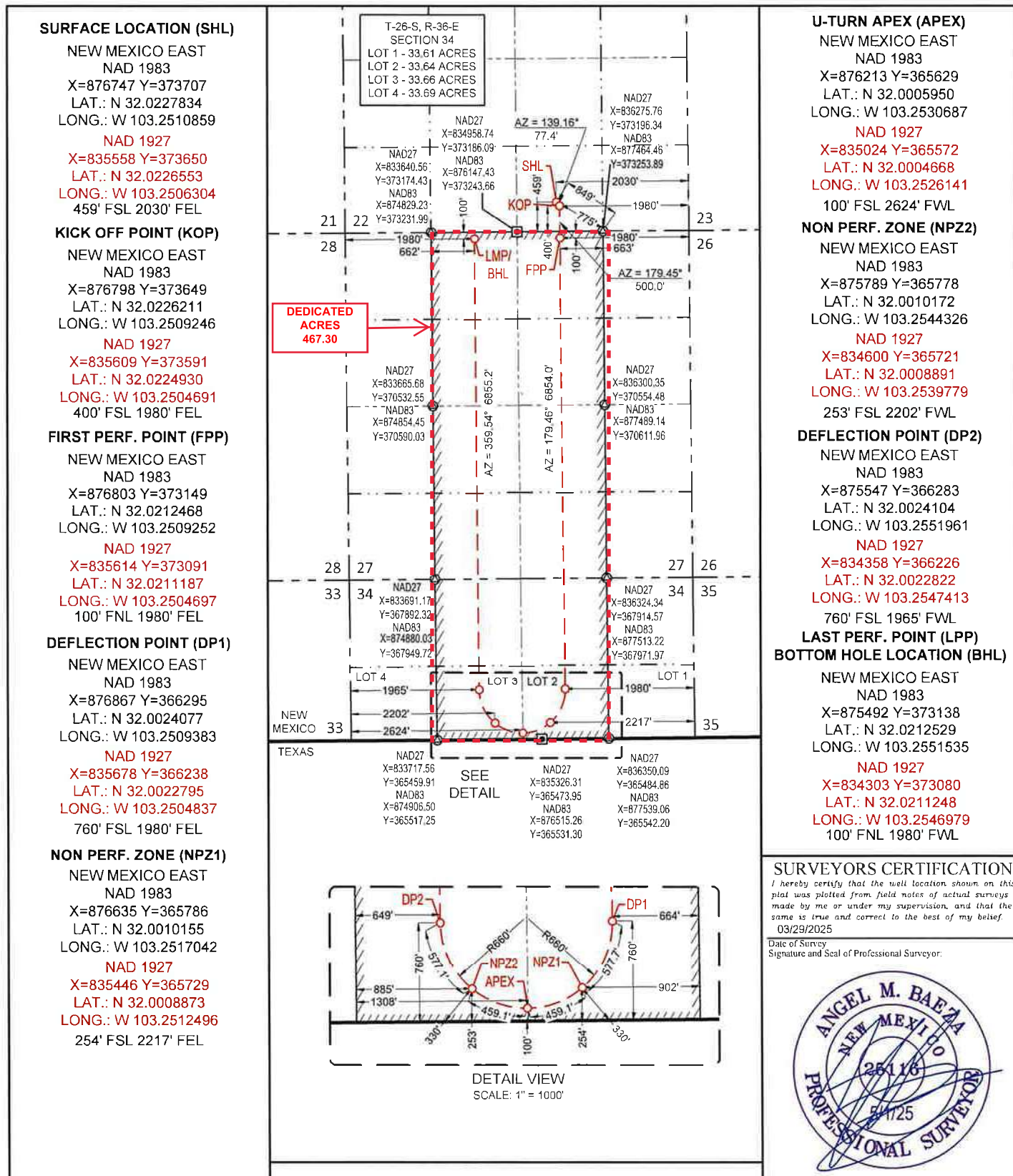
Last Take Point (LTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
C	27	26-S	36-E	-	100' N	1980' W	N 32.0212529	W 103.2551535	LEA

Unitized Area or Area of Uniform Interest N/A	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation 2905'
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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. <i>Addison Costley</i> 7/18/2025 Signature Date		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.  Signature and Seal of Professional Surveyor Date	
Print Name Addison Costley E-mail Address addison.costley@matadorresources.com		Certificate Number Date of Survey 03/29/2025	

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	
		Property Name and Well Number JOHN STEWART STATE COM 220H	



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.

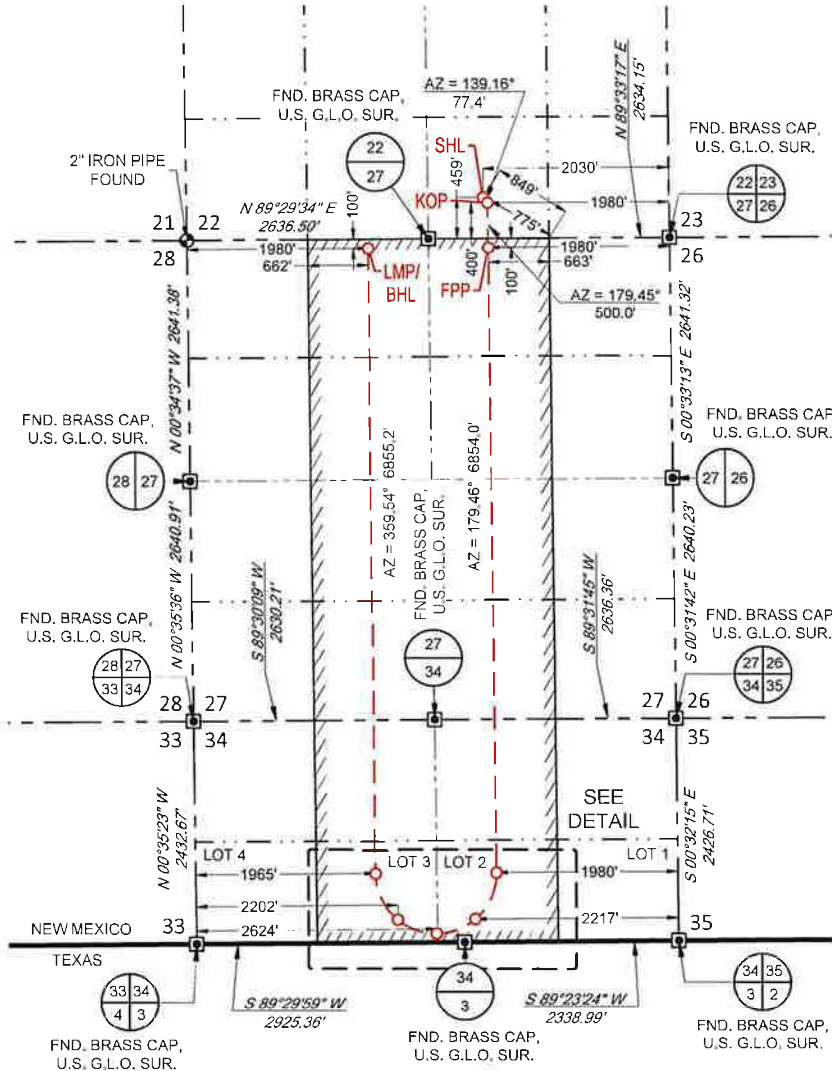
03/29/2025
 Date of Survey
 Signature and Seal of Professional Surveyor:





T-26-S, R-36-E
SECTION 34
LOT 1 - 33.61 ACRES
LOT 2 - 33.64 ACRES
LOT 3 - 33.66 ACRES
LOT 4 - 33.69 ACRES

SECTION 22, TOWNSHIP 26-S, RANGE 36-E, N.M.P.M.,
LEA COUNTY, NEW MEXICO



SURFACE LOCATION (SHL)

NEW MEXICO EAST
NAD 1983
X=876747 Y=373707
LAT.: N 32.0227834
LONG.: W 103.2510859
459' FSL 2030' FEL

KICK OFF POINT (KOP)

NEW MEXICO EAST
NAD 1983
X=876798 Y=373649
LAT.: N 32.0226211
LONG.: W 103.2509246
400' FSL 1980' FEL

FIRST PERF. POINT (FPP)

NEW MEXICO EAST
NAD 1983
X=876803 Y=373149
LAT.: N 32.0212468
LONG.: W 103.2509252
100' FNL 1980' FEL

DEFLECTION POINT (DP1)

NEW MEXICO EAST
NAD 1983
X=876867 Y=366295
LAT.: N 32.0024077
LONG.: W 103.2509383
760' FSL 1980' FEL

NON PERF. ZONE (NPZ1)

NEW MEXICO EAST
NAD 1983
X=876635 Y=365786
LAT.: N 32.0010155
LONG.: W 103.2517042
254' FSL 2217' FEL

U-TURN APEX (APEX)

NEW MEXICO EAST
NAD 1983
X=876213 Y=365629
LAT.: N 32.0005950
LONG.: W 103.2530687
100' FSL 2624' FWL

NON PERF. ZONE (NPZ2)

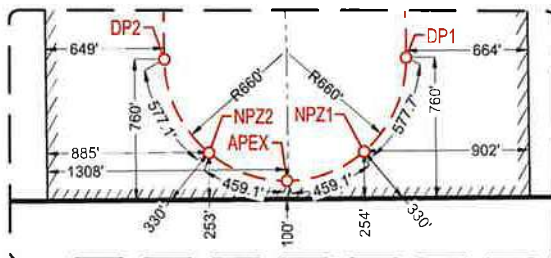
NEW MEXICO EAST
NAD 1983
X=875789 Y=365778
LAT.: N 32.0010172
LONG.: W 103.2544326
253' FSL 2202' FWL

DEFLECTION POINT (DP2)

NEW MEXICO EAST
NAD 1983
X=875547 Y=366283
LAT.: N 32.0024104
LONG.: W 103.2551961
760' FSL 1965' FWL

LAST PERF. POINT (LPP)

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=875492 Y=373138
LAT.: N 32.0212529
LONG.: W 103.2551535
100' FNL 1980' FWL



DETAIL VIEW
SCALE: 1" = 1000'



SCALE: 1" = 2000'

0' 1000' 2000'

LEASE NAME & WELL NO.: JOHN STEWART STATE COM 220H

Released to Imaging: 10/2/2025 1:31:11 PM

SECTION 22 TWP 26-S RGE 36-E SURVEY N.M.P.M.

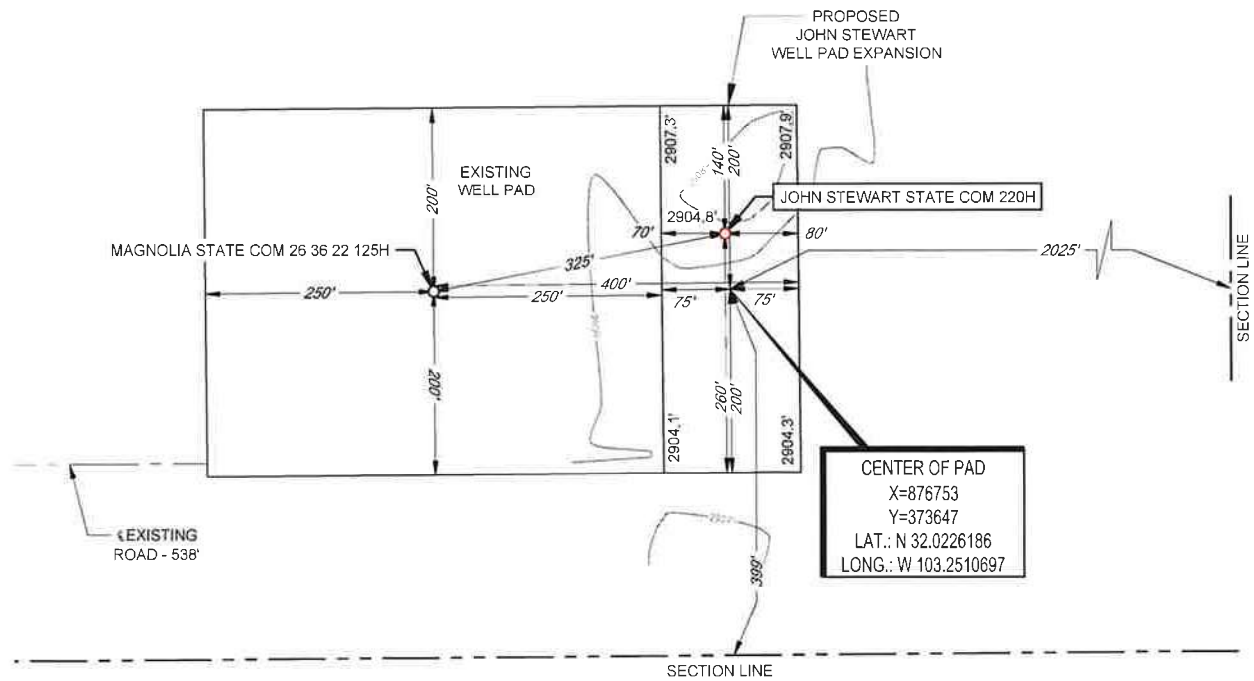




LEGEND

SECTION LINE
EXISTING ROAD

SECTION 22, TOWNSHIP 26-S, RANGE 36-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



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

LEASE NAME & WELL NO.: JOHN STEWART STATE COM 220H
220H LATITUDE N 32.0227834 220H LONGITUDE W 103.2510859

CENTER OF PAD IS 399' FSL & 2025' FEL



SCALE: 1" = 200'
0' 100' 200'



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

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 NAVD83, 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"

S:\SURVEY\MATADOR_RESOURCES\JOHN_STEWART_INFRASTRUCTURE\FINAL_PRODUCTS\LO_John_Stewart_State_COM_220H_REV2.DWG 5/1/2025 9 29:35 AM mike.waller

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

Form APD Comments

Permit 394616

PERMIT COMMENTS

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240		API Number: 30-025-55310
		Well: John Stewart State Com #220H
Created By	Comment	Comment Date
jeffrey.harrison	Please correctly re-orient and upload the PDF of form C-102 upon resubmittal.	9/8/2025
jeffrey.harrison	Submitted as defining well for HSU.	9/30/2025

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

Form APD Conditions

Permit 394616

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-025-55310
	Well: John Stewart State Com #220H

OCD Reviewer	Condition
jeffrey.harrison	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.
jeffrey.harrison	All logs run on the well must be submitted to NMOCD.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate1 strings of casing.
jeffrey.harrison	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
jeffrey.harrison	This well is within the Capitan Reef aquifer zone. The first intermediate casing string shall be set and cemented back to surface immediately below the Capitan Reef.
jeffrey.harrison	The OCD is currently reviewing the areas containing the Capitan Reef Aquifer and may expand the designated 4-string casing area to encompass additional portions of it in the future.

Addendum to Natural Gas Management Plan for Matador's

John Stewart State Com #220H

VI. Separation Equipment

Flow from the wells will be routed via a flowline to a 72"x15' three phase separator dedicated to the well. The first stage separators are sized with input from BRE ProMax and API 12J. Anticipated production rates can be seen in the below table. Liquid retention times at expected maximum rates will be >3 minutes. Gas will be routed from the first stage separator to sales. Hydrocarbon liquids are dumped from the first stage separator to one or more heater treaters. From the heater treaters, hydrocarbon liquid will be routed to oil storage tanks. Water is dumped from the first stage 3-phase separators and heater treaters to water storage tanks. The flash gas from the heater treater(s) and tanks will be captured by Vapor Recovery Units (VRUs) and routed to sales or to a compressor if the sales line pressure is higher than the VRU's maximum discharge pressure (~150 psi). Therefore, Matador has sized and staged our separation equipment to optimize gas capture, and our separation equipment is of sufficient size to handle the expected volumes of gas.

Well Name	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
JOHN STEWART STATE COM #220H	1,399	4,330	3,123

VII. Operation Practices

Although not a complete recitation of all our efforts to comply with subsection A through F of 19.15.27.8 NMAC, a summary is as follows. During drilling, Matador will have a properly sized flare stack at least 100 feet from the nearest surface hole. During initial flowback we will route the flowback fluids into completion or storage tanks and, to the extent possible, flare rather than vent any gas. We will commence operation of a separator as soon as technically feasible and have instructed our team that we want to connect the gas to sales as soon as possible but not later than 30 days after initial flowback.

Regarding production operations, we have designed our production facilities to be compliant with the requirements of Part E of 19.15.27.8 NMAC. We will instruct our team to perform the AVOs on the frequency required under the rules. While the well is producing, we will take steps to minimize flaring during maintenance, as set forth below, and we have a process in place for the measuring of any flared gas and the reporting of any reportable flaring events.

VII. Best Management Practices

Steps are taken to minimize venting during active or planned maintenance when technically feasible including:

- Isolating the affected component and reducing pressure through process piping
- Blowing down the equipment being maintained to a control device
- Performing preventative maintenance and minimizing the duration of maintenance activities

- Shutting in sources of supply as possible
- Other steps that are available depending on the maintenance being performed

Well Name: John Stewart State Com #220H										
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	2263	0	1525	0	Option to drill surface hole with surface setting rig
INT 1	Brine	12.25	10.75	HCL-80	45.50	5760	0	1109	0	Option to cement surface casing offline
INT 2	Diesel Brine Emulsion	9.875	7.625	P-110	29.70	11209	0	2204	0	Option to run DV tool and Packer.
PROD	OBM	6.75	5.5	P-110	20.00	27980	0	1630	11009	Option to run DV tool and Packer.

Matador Production Company

Antelope Ridge

John Stewart

John Stewart State Com #220H

Wellbore #1

State Plan #1

Anticollision Summary Report

27 July, 2025

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well John Stewart State Com #220H
Project:	Antelope Ridge	TVD Reference:	KB @ 2933.5usft
Reference Site:	John Stewart	MD Reference:	KB @ 2933.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	John Stewart State Com #220H	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 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	7/27/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	27,980.3	State Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

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						
Azalea						
Azalea State Com 26 36 28 #127H - Wellbore #1 - Final	20,950.0	19,288.4	2,755.7	2,498.6	10.722	SF
Azalea State Com 26 36 28 #127H - Wellbore #1 - Final	21,090.3	19,199.1	2,740.0	2,485.8	10.781	CC, ES
Magnolia						
Magnolia State Com 25 36 22 #125H - Wellbore #1 - Fin	1,623.2	1,625.2	304.1	293.0	27.571	CC
Magnolia State Com 25 36 22 #125H - Wellbore #1 - Fin	2,300.0	2,300.4	307.5	291.7	19.413	ES
Magnolia State Com 25 36 22 #125H - Wellbore #1 - Fin	11,700.0	11,801.1	408.8	326.4	4.960	SF
Magnolia State Com 25 36 22 #125H - Wellbore #1 - Pilo	1,623.2	1,625.2	304.1	292.9	27.274	CC
Magnolia State Com 25 36 22 #125H - Wellbore #1 - Pilo	12,187.1	11,957.2	335.3	249.6	3.912	ES, SF
Offset Wells in Antelope Ridge						
Magnolia State Com 125H - Wellbore #1 - Actual	1,623.1	1,625.2	304.0	293.0	27.565	CC
Magnolia State Com 125H - Wellbore #1 - Actual	2,300.0	2,300.4	307.5	291.6	19.408	ES
Magnolia State Com 125H - Wellbore #1 - Actual	11,700.0	11,801.2	408.7	326.3	4.959	SF

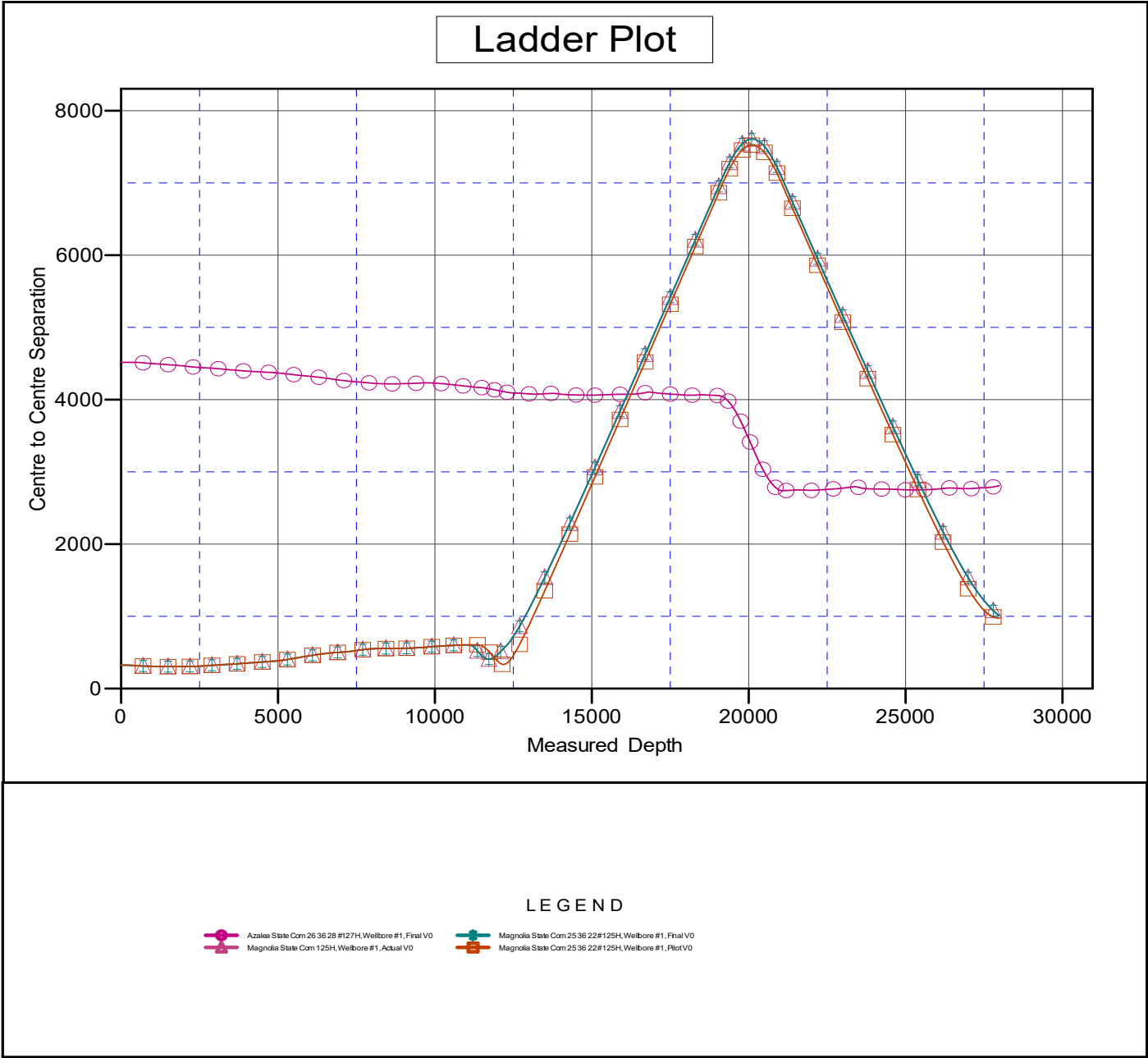
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well John Stewart State Com #220H
Project:	Antelope Ridge	TVD Reference:	KB @ 2933.5usft
Reference Site:	John Stewart	MD Reference:	KB @ 2933.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	John Stewart State Com #220H	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 @ 2933.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: John Stewart State Com #220H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.57°

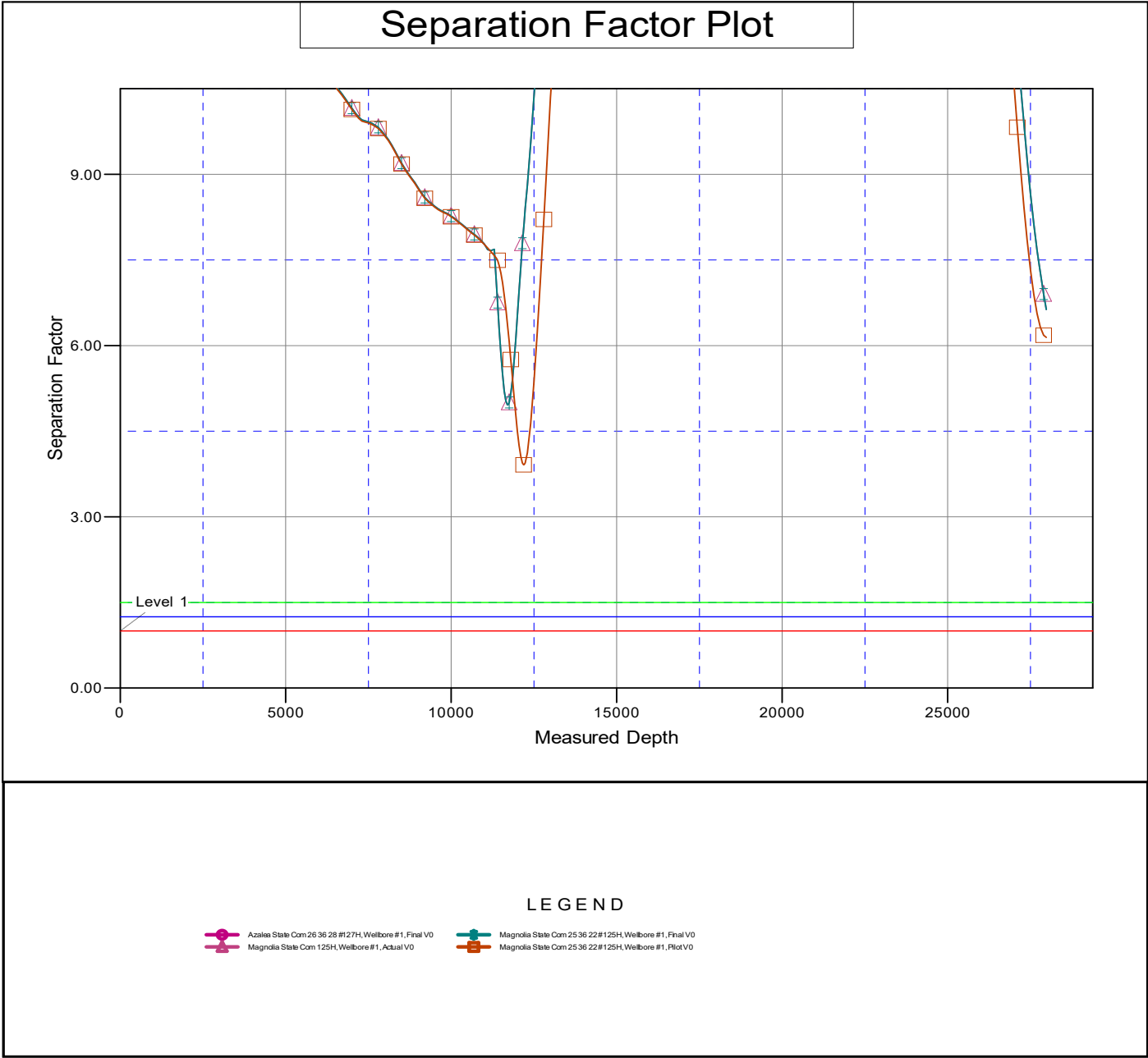


Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well John Stewart State Com #220H
Project:	Antelope Ridge	TVD Reference:	KB @ 2933.5usft
Reference Site:	John Stewart	MD Reference:	KB @ 2933.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	John Stewart State Com #220H	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 @ 2933.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: John Stewart State Com #220H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.57°



Matador Production Company

Antelope Ridge

John Stewart

John Stewart State Com #220H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

27 July, 2025

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well John Stewart State Com #220H
Company:	Matador Production Company	TVD Reference:	KB @ 2933.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 2933.5usft
Site:	John Stewart	North Reference:	Grid
Well:	John Stewart State Com #220H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Project	Antelope Ridge		
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	John Stewart					
Site Position:		Northing:	373,649.68 usft	Latitude:	32° 1' 21.559 N	
From:	Lat/Long	Easting:	835,558.41 usft	Longitude:	103° 15' 2.269 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.57 °

Well	John Stewart State Com #220H					
Well Position	+N/-S	0.0 usft	Northing:	373,649.68 usft	Latitude:	32° 1' 21.559 N
	+E/-W	0.0 usft	Easting:	835,558.41 usft	Longitude:	103° 15' 2.269 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	2,905.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.59	60.11	48,710.21631152

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	179.46

Plan Survey Tool Program	Date	7/27/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	27,980.3	State Plan #1 (Wellbore #1)	MWD
				OWSG MWD - Standard

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well John Stewart State Com #220H
Company:	Matador Production Company	TVD Reference:	KB @ 2933.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 2933.5usft
Site:	John Stewart	North Reference:	Grid
Well:	John Stewart State Com #220H	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	
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
8,100.0	2.00	139.23	8,100.0	-1.3	1.1	2.00	2.00	0.00	139.23	
10,203.3	2.00	139.23	10,202.0	-56.9	49.1	0.00	0.00	0.00	0.00	
10,336.7	0.00	0.00	10,335.3	-58.7	50.6	1.50	-1.50	0.00	180.00	
11,358.8	0.00	0.00	11,357.5	-58.7	50.6	0.00	0.00	0.00	0.00	KOP - John Stewart S
12,233.8	87.50	179.46	11,929.9	-606.6	55.8	10.00	10.00	0.00	179.46	
19,045.7	87.50	179.46	12,227.0	-7,411.7	119.9	0.00	0.00	0.00	0.00	DP1 - John Stewart S
19,805.7	88.66	245.49	12,255.7	-8,017.4	-265.8	8.68	0.15	8.69	90.35	
19,807.1	88.66	245.49	12,255.8	-8,018.0	-267.2	0.00	0.00	0.00	0.00	
21,120.1	92.40	359.54	12,237.0	-7,423.7	-1,200.4	8.69	0.28	8.69	87.97	DP2 - John Stewart S
27,980.3	92.40	359.54	11,950.0	-569.7	-1,255.4	0.00	0.00	0.00	0.00	BHL - John Stewart S

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Site:	John Stewart	North Reference:	Grid
Well:	John Stewart State Com #220H	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	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,193.0	0.00	0.00	2,193.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00

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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)
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,245.0	0.00	0.00	5,245.0	0.0	0.0	0.0	0.00	0.00	0.00
G30:CS14-CSB (Lamar/Tansil)									
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,709.9	0.00	0.00	5,709.9	0.0	0.0	0.0	0.00	0.00	0.00
G25: Bell Cyn									
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,425.6	0.00	0.00	7,425.6	0.0	0.0	0.0	0.00	0.00	0.00
G5: L. Brushy Cyn.									
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,695.3	0.00	0.00	7,695.3	0.0	0.0	0.0	0.00	0.00	0.00
G4: BSGL (CS9)									
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
8,100.0	2.00	139.23	8,100.0	-1.3	1.1	1.3	2.00	2.00	0.00
Start 2103.3 hold at 8100.0 MD									
8,200.0	2.00	139.23	8,199.9	-4.0	3.4	4.0	0.00	0.00	0.00
8,300.0	2.00	139.23	8,299.9	-6.6	5.7	6.7	0.00	0.00	0.00
8,351.6	2.00	139.23	8,351.5	-8.0	6.9	8.0	0.00	0.00	0.00
L6.3: Avalon Carb									
8,400.0	2.00	139.23	8,399.8	-9.3	8.0	9.3	0.00	0.00	0.00
8,500.0	2.00	139.23	8,499.7	-11.9	10.3	12.0	0.00	0.00	0.00
8,600.0	2.00	139.23	8,599.7	-14.5	12.5	14.7	0.00	0.00	0.00
8,700.0	2.00	139.23	8,699.6	-17.2	14.8	17.3	0.00	0.00	0.00
8,800.0	2.00	139.23	8,799.6	-19.8	17.1	20.0	0.00	0.00	0.00
8,900.0	2.00	139.23	8,899.5	-22.5	19.4	22.6	0.00	0.00	0.00
9,000.0	2.00	139.23	8,999.4	-25.1	21.6	25.3	0.00	0.00	0.00
9,100.0	2.00	139.23	9,099.4	-27.8	23.9	28.0	0.00	0.00	0.00
9,200.0	2.00	139.23	9,199.3	-30.4	26.2	30.6	0.00	0.00	0.00

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Well:	John Stewart State Com #220H	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)	
9,300.0	2.00	139.23	9,299.2	-33.0	28.5	33.3	0.00	0.00	0.00	
9,364.3	2.00	139.23	9,363.5	-34.7	30.0	35.0	0.00	0.00	0.00	
L5.1: FBSG										
9,400.0	2.00	139.23	9,399.2	-35.7	30.8	36.0	0.00	0.00	0.00	
9,430.4	2.00	139.23	9,429.6	-36.5	31.5	36.8	0.00	0.00	0.00	
M. FBSG										
9,431.5	2.00	139.23	9,430.7	-36.5	31.5	36.8	0.00	0.00	0.00	
L4.3: SBSC										
9,500.0	2.00	139.23	9,499.1	-38.3	33.0	38.6	0.00	0.00	0.00	
9,600.0	2.00	139.23	9,599.1	-41.0	35.3	41.3	0.00	0.00	0.00	
9,700.0	2.00	139.23	9,699.0	-43.6	37.6	44.0	0.00	0.00	0.00	
9,800.0	2.00	139.23	9,798.9	-46.3	39.9	46.6	0.00	0.00	0.00	
9,889.3	2.00	139.23	9,888.2	-48.6	41.9	49.0	0.00	0.00	0.00	
L4.1: SBSG										
9,900.0	2.00	139.23	9,898.9	-48.9	42.2	49.3	0.00	0.00	0.00	
9,946.8	2.00	139.23	9,945.7	-50.1	43.2	50.5	0.00	0.00	0.00	
L4.1: SBSG B Carb										
10,000.0	2.00	139.23	9,998.8	-51.5	44.4	52.0	0.00	0.00	0.00	
10,075.2	2.00	139.23	10,074.0	-53.5	46.2	54.0	0.00	0.00	0.00	
L3.3: TBSC										
10,100.0	2.00	139.23	10,098.8	-54.2	46.7	54.6	0.00	0.00	0.00	
10,200.0	2.00	139.23	10,198.7	-56.8	49.0	57.3	0.00	0.00	0.00	
10,203.3	2.00	139.23	10,202.0	-56.9	49.1	57.4	0.00	0.00	0.00	
Start Drop -1.50										
10,300.0	0.55	139.23	10,298.7	-58.5	50.5	59.0	1.50	-1.50	0.00	
10,336.7	0.00	0.00	10,335.3	-58.7	50.6	59.2	1.50	-1.50	0.00	
Start 1022.2 hold at 10336.7 MD										
10,400.0	0.00	0.00	10,398.7	-58.7	50.6	59.2	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,498.7	-58.7	50.6	59.2	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,598.7	-58.7	50.6	59.2	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,698.7	-58.7	50.6	59.2	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,798.7	-58.7	50.6	59.2	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,898.7	-58.7	50.6	59.2	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,998.7	-58.7	50.6	59.2	0.00	0.00	0.00	
11,100.0	0.00	0.00	11,098.7	-58.7	50.6	59.2	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,198.7	-58.7	50.6	59.2	0.00	0.00	0.00	
11,296.0	0.00	0.00	11,294.7	-58.7	50.6	59.2	0.00	0.00	0.00	
L3.1: TBSC										
11,300.0	0.00	0.00	11,298.7	-58.7	50.6	59.2	0.00	0.00	0.00	
11,358.8	0.00	0.00	11,357.5	-58.7	50.6	59.2	0.00	0.00	0.00	
Start Build 10.00 - KOP - John Stewart State Com #220H										
11,400.0	4.12	179.46	11,398.6	-60.2	50.6	60.6	10.00	10.00	0.00	
11,477.3	11.85	179.46	11,475.2	-70.9	50.7	71.4	10.00	10.00	0.00	
L2: WFMP A										
11,500.0	14.12	179.46	11,497.2	-76.0	50.8	76.5	10.00	10.00	0.00	
11,595.7	23.69	179.46	11,587.7	-107.0	51.0	107.4	10.00	10.00	0.00	
L1: WFMP A Fat										
11,600.0	24.12	179.46	11,591.6	-108.7	51.1	109.2	10.00	10.00	0.00	
11,700.0	34.12	179.46	11,678.9	-157.3	51.5	157.8	10.00	10.00	0.00	
11,800.0	44.12	179.46	11,756.4	-220.3	52.1	220.8	10.00	10.00	0.00	
11,900.0	54.12	179.46	11,821.7	-295.8	52.8	296.3	10.00	10.00	0.00	
11,995.8	63.70	179.46	11,871.1	-377.8	53.6	378.2	10.00	10.00	0.00	

Planning Report

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Company:	Matador Production Company	TVD Reference:	KB @ 2933.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 2933.5usft
Site:	John Stewart	North Reference:	Grid
Well:	John Stewart State Com #220H	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)
WFMP B									
12,000.0	64.12	179.46	11,873.0	-381.5	53.6	382.0	10.00	10.00	0.00
12,100.0	74.12	179.46	11,908.6	-474.8	54.5	475.3	10.00	10.00	0.00
12,186.0	82.72	179.46	11,925.8	-559.0	55.3	559.5	10.00	10.00	0.00
FPP - John Stewart State Com #220H									
12,200.0	84.12	179.46	11,927.4	-572.9	55.4	573.4	10.00	10.00	0.00
12,233.8	87.50	179.46	11,929.9	-606.6	55.8	607.1	10.00	10.00	0.00
Start 6811.8 hold at 12233.8 MD									
12,300.0	87.50	179.46	11,932.8	-672.7	56.4	673.2	0.00	0.00	0.00
12,400.0	87.50	179.46	11,937.2	-772.6	57.3	773.1	0.00	0.00	0.00
12,500.0	87.50	179.46	11,941.5	-872.5	58.3	873.0	0.00	0.00	0.00
12,600.0	87.50	179.46	11,945.9	-972.4	59.2	972.9	0.00	0.00	0.00
12,700.0	87.50	179.46	11,950.2	-1,072.3	60.1	1,072.8	0.00	0.00	0.00
12,800.0	87.50	179.46	11,954.6	-1,172.2	61.1	1,172.8	0.00	0.00	0.00
12,900.0	87.50	179.46	11,959.0	-1,272.1	62.0	1,272.7	0.00	0.00	0.00
13,000.0	87.50	179.46	11,963.3	-1,372.0	63.0	1,372.6	0.00	0.00	0.00
13,100.0	87.50	179.46	11,967.7	-1,471.9	63.9	1,472.5	0.00	0.00	0.00
13,200.0	87.50	179.46	11,972.1	-1,571.8	64.9	1,572.4	0.00	0.00	0.00
13,300.0	87.50	179.46	11,976.4	-1,671.7	65.8	1,672.3	0.00	0.00	0.00
13,400.0	87.50	179.46	11,980.8	-1,771.6	66.7	1,772.2	0.00	0.00	0.00
13,500.0	87.50	179.46	11,985.1	-1,871.5	67.7	1,872.1	0.00	0.00	0.00
13,600.0	87.50	179.46	11,989.5	-1,971.4	68.6	1,972.0	0.00	0.00	0.00
13,700.0	87.50	179.46	11,993.9	-2,071.3	69.6	2,071.9	0.00	0.00	0.00
13,800.0	87.50	179.46	11,998.2	-2,171.2	70.5	2,171.8	0.00	0.00	0.00
13,900.0	87.50	179.46	12,002.6	-2,271.1	71.4	2,271.7	0.00	0.00	0.00
14,000.0	87.50	179.46	12,007.0	-2,371.0	72.4	2,371.6	0.00	0.00	0.00
14,100.0	87.50	179.46	12,011.3	-2,470.9	73.3	2,471.5	0.00	0.00	0.00
14,200.0	87.50	179.46	12,015.7	-2,570.8	74.3	2,571.4	0.00	0.00	0.00
14,300.0	87.50	179.46	12,020.0	-2,670.7	75.2	2,671.3	0.00	0.00	0.00
14,400.0	87.50	179.46	12,024.4	-2,770.6	76.2	2,771.2	0.00	0.00	0.00
14,500.0	87.50	179.46	12,028.8	-2,870.5	77.1	2,871.1	0.00	0.00	0.00
14,600.0	87.50	179.46	12,033.1	-2,970.4	78.0	2,971.0	0.00	0.00	0.00
14,700.0	87.50	179.46	12,037.5	-3,070.3	79.0	3,070.9	0.00	0.00	0.00
14,800.0	87.50	179.46	12,041.8	-3,170.2	79.9	3,170.8	0.00	0.00	0.00
14,900.0	87.50	179.46	12,046.2	-3,270.1	80.9	3,270.8	0.00	0.00	0.00
15,000.0	87.50	179.46	12,050.6	-3,370.0	81.8	3,370.7	0.00	0.00	0.00
15,100.0	87.50	179.46	12,054.9	-3,469.9	82.7	3,470.6	0.00	0.00	0.00
15,200.0	87.50	179.46	12,059.3	-3,569.8	83.7	3,570.5	0.00	0.00	0.00
15,300.0	87.50	179.46	12,063.7	-3,669.7	84.6	3,670.4	0.00	0.00	0.00
15,400.0	87.50	179.46	12,068.0	-3,769.6	85.6	3,770.3	0.00	0.00	0.00
15,500.0	87.50	179.46	12,072.4	-3,869.5	86.5	3,870.2	0.00	0.00	0.00
15,600.0	87.50	179.46	12,076.7	-3,969.4	87.5	3,970.1	0.00	0.00	0.00
15,700.0	87.50	179.46	12,081.1	-4,069.3	88.4	4,070.0	0.00	0.00	0.00
15,800.0	87.50	179.46	12,085.5	-4,169.2	89.3	4,169.9	0.00	0.00	0.00
15,900.0	87.50	179.46	12,089.8	-4,269.1	90.3	4,269.8	0.00	0.00	0.00
16,000.0	87.50	179.46	12,094.2	-4,369.0	91.2	4,369.7	0.00	0.00	0.00
16,100.0	87.50	179.46	12,098.6	-4,468.9	92.2	4,469.6	0.00	0.00	0.00
16,200.0	87.50	179.46	12,102.9	-4,568.8	93.1	4,569.5	0.00	0.00	0.00
16,300.0	87.50	179.46	12,107.3	-4,668.7	94.0	4,669.4	0.00	0.00	0.00
16,400.0	87.50	179.46	12,111.6	-4,768.6	95.0	4,769.3	0.00	0.00	0.00
16,500.0	87.50	179.46	12,116.0	-4,868.5	95.9	4,869.2	0.00	0.00	0.00
16,600.0	87.50	179.46	12,120.4	-4,968.4	96.9	4,969.1	0.00	0.00	0.00
16,700.0	87.50	179.46	12,124.7	-5,068.3	97.8	5,069.0	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well John Stewart State Com #220H
Company:	Matador Production Company	TVD Reference:	KB @ 2933.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 2933.5usft
Site:	John Stewart	North Reference:	Grid
Well:	John Stewart State Com #220H	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)
16,800.0	87.50	179.46	12,129.1	-5,168.2	98.8	5,168.9	0.00	0.00	0.00
16,900.0	87.50	179.46	12,133.4	-5,268.1	99.7	5,268.8	0.00	0.00	0.00
17,000.0	87.50	179.46	12,137.8	-5,368.0	100.6	5,368.8	0.00	0.00	0.00
17,100.0	87.50	179.46	12,142.2	-5,467.9	101.6	5,468.7	0.00	0.00	0.00
17,200.0	87.50	179.46	12,146.5	-5,567.8	102.5	5,568.6	0.00	0.00	0.00
17,300.0	87.50	179.46	12,150.9	-5,667.7	103.5	5,668.5	0.00	0.00	0.00
17,400.0	87.50	179.46	12,155.3	-5,767.6	104.4	5,768.4	0.00	0.00	0.00
17,500.0	87.50	179.46	12,159.6	-5,867.5	105.3	5,868.3	0.00	0.00	0.00
17,600.0	87.50	179.46	12,164.0	-5,967.4	106.3	5,968.2	0.00	0.00	0.00
17,700.0	87.50	179.46	12,168.3	-6,067.3	107.2	6,068.1	0.00	0.00	0.00
17,800.0	87.50	179.46	12,172.7	-6,167.2	108.2	6,168.0	0.00	0.00	0.00
17,900.0	87.50	179.46	12,177.1	-6,267.1	109.1	6,267.9	0.00	0.00	0.00
18,000.0	87.50	179.46	12,181.4	-6,367.0	110.0	6,367.8	0.00	0.00	0.00
18,100.0	87.50	179.46	12,185.8	-6,466.9	111.0	6,467.7	0.00	0.00	0.00
18,200.0	87.50	179.46	12,190.2	-6,566.8	111.9	6,567.6	0.00	0.00	0.00
18,300.0	87.50	179.46	12,194.5	-6,666.7	112.9	6,667.5	0.00	0.00	0.00
18,400.0	87.50	179.46	12,198.9	-6,766.6	113.8	6,767.4	0.00	0.00	0.00
18,500.0	87.50	179.46	12,203.2	-6,866.5	114.8	6,867.3	0.00	0.00	0.00
18,600.0	87.50	179.46	12,207.6	-6,966.4	115.7	6,967.2	0.00	0.00	0.00
18,700.0	87.50	179.46	12,212.0	-7,066.3	116.6	7,067.1	0.00	0.00	0.00
18,800.0	87.50	179.46	12,216.3	-7,166.3	117.6	7,167.0	0.00	0.00	0.00
18,900.0	87.50	179.46	12,220.7	-7,266.2	118.5	7,266.9	0.00	0.00	0.00
19,000.0	87.50	179.46	12,225.0	-7,366.1	119.5	7,366.8	0.00	0.00	0.00
19,045.7	87.50	179.46	12,227.0	-7,411.7	119.9	7,412.5	0.00	0.00	0.00
Start DLS 8.68 TFO 90.35 - DP1 - John Stewart State Com #220H									
19,100.0	87.48	184.18	12,229.4	-7,465.9	118.2	7,466.7	8.69	-0.04	8.69
19,200.0	87.49	192.88	12,233.8	-7,564.6	103.4	7,565.3	8.68	0.01	8.69
19,300.0	87.55	201.57	12,238.2	-7,659.9	73.8	7,660.3	8.68	0.06	8.69
19,400.0	87.67	210.26	12,242.3	-7,749.7	30.2	7,749.7	8.68	0.12	8.69
19,500.0	87.85	218.95	12,246.3	-7,831.9	-26.5	7,831.3	8.68	0.17	8.69
19,600.0	88.07	227.63	12,249.8	-7,904.6	-95.0	7,903.3	8.68	0.22	8.69
19,624.9	88.13	229.80	12,250.7	-7,921.0	-113.7	7,919.6	8.68	0.25	8.69
NPZ1 - John Stewart State Com #220H									
19,700.0	88.34	236.32	12,253.0	-7,966.1	-173.6	7,964.1	8.68	0.27	8.68
19,800.0	88.64	245.00	12,255.6	-8,015.0	-260.7	8,012.2	8.68	0.31	8.68
19,805.7	88.66	245.49	12,255.7	-8,017.4	-265.8	8,014.5	8.68	0.32	8.68
Start 1.5 hold at 19805.7 MD									
19,807.1	88.66	245.49	12,255.8	-8,018.0	-267.2	8,015.1	0.00	0.00	0.00
Start DLS 8.69 TFO 87.97									
19,900.0	88.96	253.56	12,257.7	-8,050.4	-354.1	8,046.7	8.69	0.32	8.68
20,000.0	89.30	262.24	12,259.2	-8,071.4	-451.7	8,066.8	8.69	0.34	8.68
20,082.6	89.60	269.41	12,260.0	-8,077.4	-534.0	8,072.0	8.69	0.36	8.68
Apex - John Stewart State Com #220H									
20,100.0	89.66	270.92	12,260.1	-8,077.3	-551.5	8,071.8	8.69	0.36	8.68
20,200.0	90.03	279.60	12,260.4	-8,068.2	-650.9	8,061.7	8.69	0.37	8.68
20,300.0	90.40	288.28	12,260.0	-8,044.1	-747.9	8,036.7	8.69	0.37	8.68
20,400.0	90.75	296.97	12,259.0	-8,005.7	-840.1	7,997.4	8.69	0.36	8.68
20,500.0	91.09	305.65	12,257.4	-7,953.8	-925.5	7,944.7	8.69	0.34	8.68
20,540.8	91.23	309.19	12,256.6	-7,929.0	-957.8	7,919.6	8.69	0.32	8.68
NPZ2 - John Stewart State Com #220H									
20,600.0	91.41	314.33	12,255.2	-7,889.6	-1,002.0	7,879.8	8.69	0.31	8.69
20,700.0	91.69	323.02	12,252.5	-7,814.6	-1,067.9	7,804.2	8.69	0.28	8.69
20,800.0	91.94	331.71	12,249.3	-7,730.5	-1,121.8	7,719.6	8.69	0.24	8.69

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well John Stewart State Com #220H
Company:	Matador Production Company	TVD Reference:	KB @ 2933.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 2933.5usft
Site:	John Stewart	North Reference:	Grid
Well:	John Stewart State Com #220H	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)
20,900.0	92.14	340.40	12,245.8	-7,639.2	-1,162.3	7,627.9	8.69	0.20	8.69
21,000.0	92.29	349.10	12,241.9	-7,542.9	-1,188.5	7,531.4	8.69	0.15	8.69
21,100.0	92.38	357.79	12,237.8	-7,443.7	-1,199.9	7,432.1	8.69	0.10	8.70
21,120.1	92.40	359.54	12,237.0	-7,423.7	-1,200.4	7,412.0	8.69	0.07	8.70
Start 6860.2 hold at 21120.1 MD - DP2 - John Stewart State Com #220H									
21,200.0	92.40	359.54	12,233.7	-7,343.8	-1,201.0	7,332.2	0.00	0.00	0.00
21,300.0	92.40	359.54	12,229.5	-7,243.9	-1,201.9	7,232.3	0.00	0.00	0.00
21,400.0	92.40	359.54	12,225.3	-7,144.0	-1,202.7	7,132.4	0.00	0.00	0.00
21,500.0	92.40	359.54	12,221.1	-7,044.1	-1,203.5	7,032.5	0.00	0.00	0.00
21,600.0	92.40	359.54	12,216.9	-6,944.2	-1,204.3	6,932.5	0.00	0.00	0.00
21,700.0	92.40	359.54	12,212.7	-6,844.3	-1,205.1	6,832.6	0.00	0.00	0.00
21,800.0	92.40	359.54	12,208.6	-6,744.4	-1,205.9	6,732.7	0.00	0.00	0.00
21,900.0	92.40	359.54	12,204.4	-6,644.5	-1,206.7	6,632.8	0.00	0.00	0.00
22,000.0	92.40	359.54	12,200.2	-6,544.6	-1,207.5	6,532.9	0.00	0.00	0.00
22,100.0	92.40	359.54	12,196.0	-6,444.7	-1,208.3	6,433.0	0.00	0.00	0.00
22,200.0	92.40	359.54	12,191.8	-6,344.7	-1,209.1	6,333.1	0.00	0.00	0.00
22,300.0	92.40	359.54	12,187.6	-6,244.8	-1,209.9	6,233.2	0.00	0.00	0.00
22,400.0	92.40	359.54	12,183.5	-6,144.9	-1,210.7	6,133.2	0.00	0.00	0.00
22,500.0	92.40	359.54	12,179.3	-6,045.0	-1,211.5	6,033.3	0.00	0.00	0.00
22,600.0	92.40	359.54	12,175.1	-5,945.1	-1,212.3	5,933.4	0.00	0.00	0.00
22,700.0	92.40	359.54	12,170.9	-5,845.2	-1,213.1	5,833.5	0.00	0.00	0.00
22,800.0	92.40	359.54	12,166.7	-5,745.3	-1,213.9	5,733.6	0.00	0.00	0.00
22,900.0	92.40	359.54	12,162.5	-5,645.4	-1,214.7	5,633.7	0.00	0.00	0.00
23,000.0	92.40	359.54	12,158.4	-5,545.5	-1,215.5	5,533.8	0.00	0.00	0.00
23,100.0	92.40	359.54	12,154.2	-5,445.6	-1,216.3	5,433.9	0.00	0.00	0.00
23,200.0	92.40	359.54	12,150.0	-5,345.7	-1,217.1	5,333.9	0.00	0.00	0.00
23,300.0	92.40	359.54	12,145.8	-5,245.7	-1,217.9	5,234.0	0.00	0.00	0.00
23,400.0	92.40	359.54	12,141.6	-5,145.8	-1,218.7	5,134.1	0.00	0.00	0.00
23,500.0	92.40	359.54	12,137.4	-5,045.9	-1,219.5	5,034.2	0.00	0.00	0.00
23,600.0	92.40	359.54	12,133.3	-4,946.0	-1,220.3	4,934.3	0.00	0.00	0.00
23,700.0	92.40	359.54	12,129.1	-4,846.1	-1,221.1	4,834.4	0.00	0.00	0.00
23,800.0	92.40	359.54	12,124.9	-4,746.2	-1,221.9	4,734.5	0.00	0.00	0.00
23,900.0	92.40	359.54	12,120.7	-4,646.3	-1,222.7	4,634.6	0.00	0.00	0.00
24,000.0	92.40	359.54	12,116.5	-4,546.4	-1,223.5	4,534.6	0.00	0.00	0.00
24,100.0	92.40	359.54	12,112.3	-4,446.5	-1,224.3	4,434.7	0.00	0.00	0.00
24,200.0	92.40	359.54	12,108.2	-4,346.6	-1,225.1	4,334.8	0.00	0.00	0.00
24,300.0	92.40	359.54	12,104.0	-4,246.7	-1,225.9	4,234.9	0.00	0.00	0.00
24,400.0	92.40	359.54	12,099.8	-4,146.7	-1,226.7	4,135.0	0.00	0.00	0.00
24,500.0	92.40	359.54	12,095.6	-4,046.8	-1,227.5	4,035.1	0.00	0.00	0.00
24,600.0	92.40	359.54	12,091.4	-3,946.9	-1,228.3	3,935.2	0.00	0.00	0.00
24,700.0	92.40	359.54	12,087.2	-3,847.0	-1,229.1	3,835.3	0.00	0.00	0.00
24,800.0	92.40	359.54	12,083.0	-3,747.1	-1,229.9	3,735.4	0.00	0.00	0.00
24,900.0	92.40	359.54	12,078.9	-3,647.2	-1,230.7	3,635.4	0.00	0.00	0.00
25,000.0	92.40	359.54	12,074.7	-3,547.3	-1,231.5	3,535.5	0.00	0.00	0.00
25,100.0	92.40	359.54	12,070.5	-3,447.4	-1,232.3	3,435.6	0.00	0.00	0.00
25,200.0	92.40	359.54	12,066.3	-3,347.5	-1,233.1	3,335.7	0.00	0.00	0.00
25,300.0	92.40	359.54	12,062.1	-3,247.6	-1,233.9	3,235.8	0.00	0.00	0.00
25,400.0	92.40	359.54	12,057.9	-3,147.7	-1,234.7	3,135.9	0.00	0.00	0.00
25,500.0	92.40	359.54	12,053.8	-3,047.7	-1,235.5	3,036.0	0.00	0.00	0.00
25,600.0	92.40	359.54	12,049.6	-2,947.8	-1,236.3	2,936.1	0.00	0.00	0.00
25,700.0	92.40	359.54	12,045.4	-2,847.9	-1,237.1	2,836.1	0.00	0.00	0.00
25,800.0	92.40	359.54	12,041.2	-2,748.0	-1,237.9	2,736.2	0.00	0.00	0.00
25,900.0	92.40	359.54	12,037.0	-2,648.1	-1,238.7	2,636.3	0.00	0.00	0.00
26,000.0	92.40	359.54	12,032.8	-2,548.2	-1,239.5	2,536.4	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well John Stewart State Com #220H
Company:	Matador Production Company	TVD Reference:	KB @ 2933.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 2933.5usft
Site:	John Stewart	North Reference:	Grid
Well:	John Stewart State Com #220H	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)
26,100.0	92.40	359.54	12,028.7	-2,448.3	-1,240.3	2,436.5	0.00	0.00	0.00
26,200.0	92.40	359.54	12,024.5	-2,348.4	-1,241.1	2,336.6	0.00	0.00	0.00
26,300.0	92.40	359.54	12,020.3	-2,248.5	-1,241.9	2,236.7	0.00	0.00	0.00
26,400.0	92.40	359.54	12,016.1	-2,148.6	-1,242.7	2,136.8	0.00	0.00	0.00
26,500.0	92.40	359.54	12,011.9	-2,048.7	-1,243.5	2,036.8	0.00	0.00	0.00
26,600.0	92.40	359.54	12,007.7	-1,948.7	-1,244.3	1,936.9	0.00	0.00	0.00
26,700.0	92.40	359.54	12,003.6	-1,848.8	-1,245.1	1,837.0	0.00	0.00	0.00
26,800.0	92.40	359.54	11,999.4	-1,748.9	-1,245.9	1,737.1	0.00	0.00	0.00
26,900.0	92.40	359.54	11,995.2	-1,649.0	-1,246.7	1,637.2	0.00	0.00	0.00
27,000.0	92.40	359.54	11,991.0	-1,549.1	-1,247.5	1,537.3	0.00	0.00	0.00
27,100.0	92.40	359.54	11,986.8	-1,449.2	-1,248.4	1,437.4	0.00	0.00	0.00
27,200.0	92.40	359.54	11,982.6	-1,349.3	-1,249.2	1,337.5	0.00	0.00	0.00
27,300.0	92.40	359.54	11,978.5	-1,249.4	-1,250.0	1,237.5	0.00	0.00	0.00
27,400.0	92.40	359.54	11,974.3	-1,149.5	-1,250.8	1,137.6	0.00	0.00	0.00
27,500.0	92.40	359.54	11,970.1	-1,049.6	-1,251.6	1,037.7	0.00	0.00	0.00
27,600.0	92.40	359.54	11,965.9	-949.6	-1,252.4	937.8	0.00	0.00	0.00
27,700.0	92.40	359.54	11,961.7	-849.7	-1,253.2	837.9	0.00	0.00	0.00
27,800.0	92.40	359.54	11,957.5	-749.8	-1,254.0	738.0	0.00	0.00	0.00
27,900.0	92.40	359.54	11,953.4	-649.9	-1,254.8	638.1	0.00	0.00	0.00
27,980.3	92.40	359.54	11,950.0	-569.7	-1,255.4	557.8	0.00	0.00	0.00
TD at 27980.3 - BHL - John Stewart State Com #220H									

Planning Report

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Project:	Antelope Ridge	MD Reference:	KB @ 2933.5usft
Site:	John Stewart	North Reference:	Grid
Well:	John Stewart State Com #220H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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
KOP - John Stewart Stat - plan hits target center - Point	0.00	0.00	11,357.5	-58.7	50.6	373,591.00	835,609.00	32° 1' 20.973 N	103° 15' 1.689 W
FPP - John Stewart Stat - plan hits target center - Point	0.00	0.00	11,925.8	-559.0	55.3	373,090.68	835,613.71	32° 1' 16.022 N	103° 15' 1.692 W
BHL - John Stewart Stat - plan hits target center - Point	0.00	0.00	11,950.0	-569.7	-1,255.4	373,080.00	834,303.00	32° 1' 16.046 N	103° 15' 16.916 W
DP1 - John Stewart Stat - plan misses target center by 0.3usft at 19045.7usft MD (12227.0 TVD, -7411.7 N, 119.9 E) - Point	0.00	0.00	12,227.0	-7,411.7	119.6	366,238.00	835,678.00	32° 0' 8.209 N	103° 15' 1.743 W
DP2 - John Stewart Stat - plan hits target center - Point	0.00	0.00	12,237.0	-7,423.7	-1,200.4	366,226.00	834,358.00	32° 0' 8.221 N	103° 15' 17.071 W
NPZ1 - John Stewart Stat - plan hits target center - Point	0.00	0.00	12,250.7	-7,921.0	-113.7	365,728.68	835,444.74	32° 0' 3.192 N	103° 15' 4.511 W
NPZ2 - John Stewart Stat - plan hits target center - Point	0.00	0.00	12,256.6	-7,929.0	-957.8	365,720.68	834,600.58	32° 0' 3.197 N	103° 15' 14.313 W
Apex - John Stewart Stat - plan hits target center - Point	0.00	0.00	12,260.0	-8,077.4	-534.0	365,572.29	835,024.41	32° 0' 1.687 N	103° 15' 9.409 W

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,193.0	2,193.0	Rustler		2.50	179.46
5,245.0	5,245.0	G30:CS14-CSB (Lamar/Tansil)		2.50	179.46
5,709.9	5,709.9	G25: Bell Cyn		2.50	179.46
7,425.6	7,425.6	G5: L. Brushy Cyn.		2.50	179.46
7,695.3	7,695.3	G4: BSG (CS9)		2.50	179.46
8,351.6	8,351.5	L6.3: Avalon Carb		2.50	179.46
9,364.3	9,363.5	L5.1: FBSG		2.50	179.46
9,430.4	9,429.6	M. FBSG		2.50	179.46
9,431.5	9,430.7	L4.3: SBSC		2.50	179.46
9,889.3	9,888.2	L4.1: SBSG		2.50	179.46
9,946.8	9,945.7	L4.1: SBSG B Carb		2.50	179.46
10,075.2	10,074.0	L3.3: TBSC		2.50	179.46
11,296.0	11,294.7	L3.1: TBSC		2.50	179.46
11,477.3	11,475.2	L2: WFMP A		2.50	179.46
11,595.7	11,587.7	L1: WFMP A Fat		2.50	179.46
11,995.8	11,871.1	WFMP B		2.50	179.46

Planning Report

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Well:	John Stewart State Com #220H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,000.0	8,000.0	0.0	0.0	Start Build 2.00
8,100.0	8,100.0	-1.3	1.1	Start 2103.3 hold at 8100.0 MD
10,203.3	10,202.0	-56.9	49.1	Start Drop -1.50
10,336.7	10,335.3	-58.7	50.6	Start 1022.2 hold at 10336.7 MD
11,358.8	11,357.5	-58.7	50.6	Start Build 10.00
12,233.8	11,929.9	-606.6	55.8	Start 6811.8 hold at 12233.8 MD
19,045.7	12,227.0	-7,411.7	119.9	Start DLS 8.68 TFO 90.35
19,805.7	12,255.7	-8,017.4	-265.8	Start 1.5 hold at 19805.7 MD
19,807.1	12,255.8	-8,018.0	-267.2	Start DLS 8.69 TFO 87.97
21,120.1	12,237.0	-7,423.7	-1,200.4	Start 6860.2 hold at 21120.1 MD
27,980.3	11,950.0	-569.7	-1,255.4	TD at 27980.3

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

Submit Electronically
Via E-permitting

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator: Matador Production Company **OGRID:** 228937 **Date:** 7/28/2025

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
JOHN STEWART STATE COM #220H	TBD	O-22-26S-36E	459' FSL & 2030' FEL	1399	4330	3123

IV. Central Delivery Point Name: Amen Corner Tank Battery [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
JOHN STEWART STATE COM #220H	TBD	01/19/2026	02/20/2026	03/03/2026	03/31/2026	03/31/2026

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications**Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: 
Printed Name: Adrian Salinas
Title: Facilities Engineer
E-mail Address: adrian.salinas@matadorresources.com
Date: 7/28/2025
Phone: 832-314-0336
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval: