

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 405262

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
		3. API Number 30-025-55804
4. Property Code 338392	5. Property Name FLORENCE STATE 23 23S 34E	6. Well No. 100H

7. Surface Location

UL - Lot N	Section 23	Township 23S	Range 34E	Lot Idn	Feet From 126	N/S Line S	Feet From 1946	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot M	Section 23	Township 23S	Range 34E	Lot Idn M	Feet From 110	N/S Line S	Feet From 330	E/W Line W	County Lea
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9. Pool Information

ANTELOPE RIDGE;BONE SPRING, WEST	2209
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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 3400
16. Multiple N	17. Proposed Depth 19532	18. Formation Bone Spring	19. Contractor	20. Spud Date 6/11/2026
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	1015	695	0
Int1	12.25	9.625	40	5200	1463	0
Prod	6.75	5.5	20	19532	1799	5000

Casing/Cement Program: Additional Comments

Option to drill surface hole with surface setting rig. Option to cement surface casing offline Option to run DV tool and Packer.
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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. Signature: Printed Name: Electronically filed by Brett A Jennings Title: Regulatory Analyst Email Address: brett.jennings@matadorresources.com Date: 12/18/2025 Phone: 972-629-2160	OIL CONSERVATION DIVISION Approved By: Jeffrey Harrison Title: Petroleum Specialist III Approved Date: 1/14/2026 Expiration Date: 1/14/2028 Conditions of Approval Attached
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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 30-025-55804	Pool Code 2209	Pool Name Antelope Ridge; Bone Spring, West
Property Code 338392	Property Name FLORENCE STATE 23-23S-34E	Well Number 100H
OGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 3400'
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
N	23	23-S	34-E	-	126' S	1946' W	N 32.2831905	W 103.4430983	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
M	23	23-S	34-E	-	110' S	330' W	N 32.2831446	W 103.4483282	LEA

Dedicated Acres 320	Infill or Defining Well DEFINING	Defining Well API PENDING	Overlapping Spacing Unit (Y/N) Y	Consolidated Code C
Order Numbers N/A			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
N	23	23-S	34-E	-	50' S	1650' W	N 32.2829810	W 103.4440573	LEA

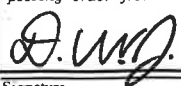
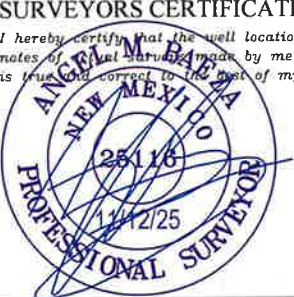
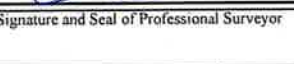
First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
N	23	23-S	34-E	-	100' S	1650' W	N 32.2831185	W 103.4440572	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
M	23	23-S	34-E	-	110' S	330' W	N 32.2831446	W 103.4483282	LEA

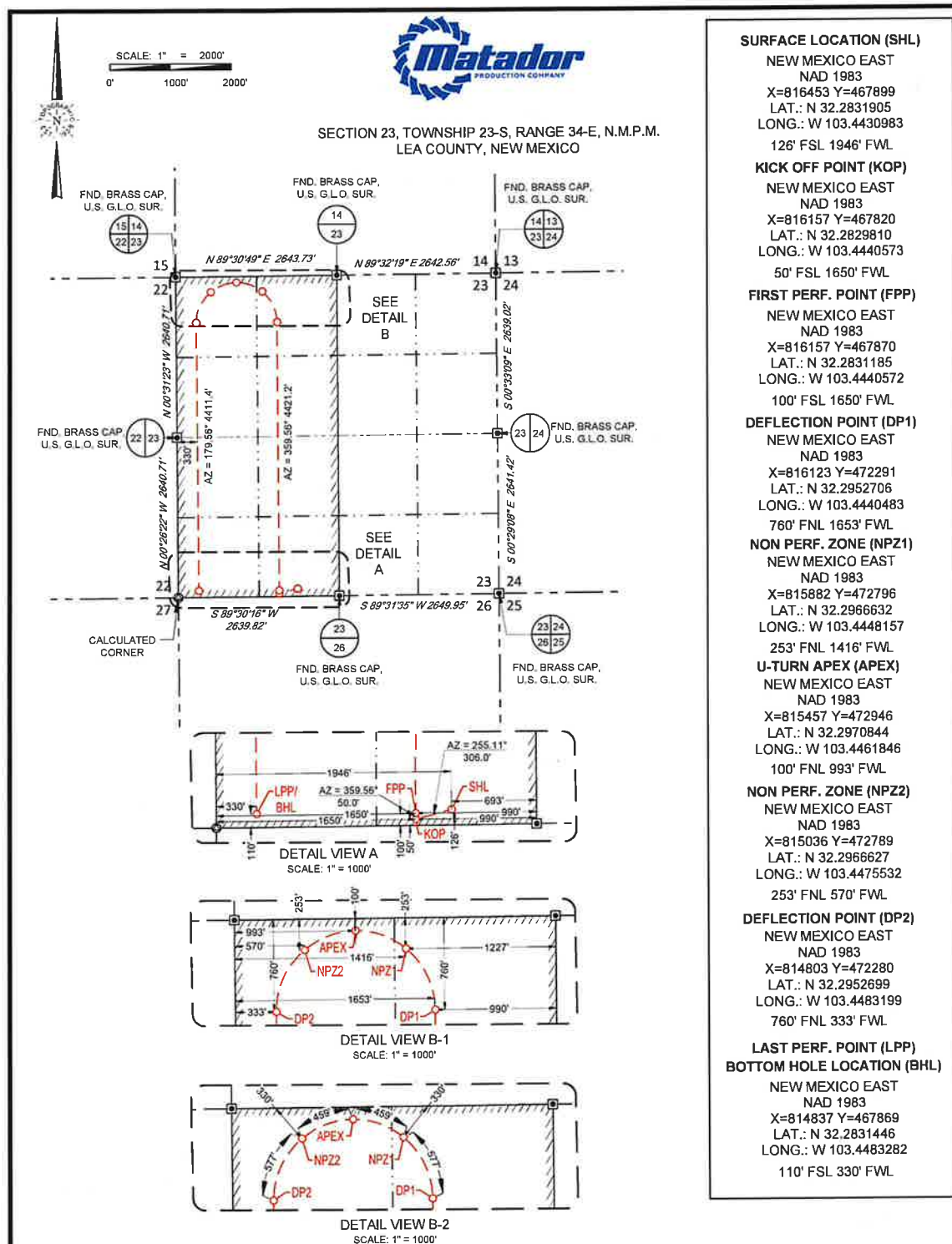
Unitized Area or Area of Uniform Interest PENDING	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation 3400'
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OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge 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.  Signature David W. Johns 11/18/25 Date Print Name djohns@matadorresources.com E-mail Address		SURVEYORS CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of a well survey 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 11/11/2025 Certificate Number Date of Survey 11/11/2025	
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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 FLORENCE STATE 23-23S-34E 100H		

SURFACE LOCATION (SHL) NEW MEXICO EAST NAD 1983 X=816453 Y=467899 LAT.: N 32.2831905 LONG.: W 103.4430983 NAD 1927 X=775269 Y=467840 LAT.: N 32.2830682 LONG.: W 103.4426222 126' FSL 1946' FWL KICK OFF POINT (KOP) NEW MEXICO EAST NAD 1983 X=816157 Y=467820 LAT.: N 32.2829810 LONG.: W 103.4440573 NAD 1927 X=774973 Y=467762 LAT.: N 32.2828587 LONG.: W 103.4435812 50' FSL 1650' FWL FIRST PERF. POINT (FPP) NEW MEXICO EAST NAD 1983 X=816157 Y=467870 LAT.: N 32.2831185 LONG.: W 103.4440572 NAD 1927 X=774973 Y=467812 LAT.: N 32.2829962 LONG.: W 103.4435811 100' FSL 1650' FWL DEFLECTION POINT (DP1) NEW MEXICO EAST NAD 1983 X=816123 Y=472291 LAT.: N 32.2952706 LONG.: W 103.4440483 NAD 1927 X=774939 Y=472233 LAT.: N 32.2951485 LONG.: W 103.4435717 760' FNL 1653' FWL NON PERF. ZONE (NPZ1) NEW MEXICO EAST NAD 1983 X=815882 Y=472796 LAT.: N 32.2966632 LONG.: W 103.4448157 NAD 1927 X=774698 Y=472737 LAT.: N 32.2965410 LONG.: W 103.4443391 253' FNL 1416' FWL	 	U-TURN APEX (APEX) NEW MEXICO EAST NAD 1983 X=815457 Y=472946 LAT.: N 32.2970844 LONG.: W 103.4461846 NAD 1927 X=774273 Y=472887 LAT.: N 32.2969622 LONG.: W 103.4457079 100' FNL 993' FWL NON PERF. ZONE (NPZ2) NEW MEXICO EAST NAD 1983 X=815036 Y=472789 LAT.: N 32.2966627 LONG.: W 103.4475532 NAD 1927 X=773852 Y=472730 LAT.: N 32.2965405 LONG.: W 103.4470764 253' FNL 570' FWL DEFLECTION POINT (DP2) NEW MEXICO EAST NAD 1983 X=814803 Y=472280 LAT.: N 32.2952699 LONG.: W 103.4483199 NAD 1927 X=773619 Y=472221 LAT.: N 32.2951477 LONG.: W 103.4478432 760' FNL 333' FWL LAST PERF. POINT (LPP) BOTTOM HOLE LOCATION (BHL) NEW MEXICO EAST NAD 1983 X=814837 Y=467869 LAT.: N 32.2831446 LONG.: W 103.4483282 NAD 1927 X=773653 Y=467810 LAT.: N 32.2830223 LONG.: W 103.4478520 110' FSL 330' FWL
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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. 11/11/2025 Date of Survey: Signature and Seal of Professional Surveyor:	
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LEASE NAME & WELL NO.: FLORENCE STATE 23-23S-34E 100H

SECTION 23 TWP 23-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 126' FSL & 1946' FWL

DISTANCE & DIRECTION

FROM INT. OF NM-128 W & DELAWARE BASIN RD. GO NORTH ON
DELAWARE BASIN RD. ±3.0 MILES. THENCE EAST (RIGHT) ON CR.
21-B/J-21/SHELL RD. ±2.3 MILES. THENCE NORTH (LEFT) ON ANTELOPE
RD./CR. 21-B ±1.6 MILES. THENCE EAST (RIGHT) ON #21 RD. ±1.0 MILES.
THENCE CONTINUE STRAIGHT ON A LEASE RD. ±1.0 MILES TO A POINT
±414 FEET NORTHWEST OF THIS 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 WINSWORTH ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554
458 WEST INDIANA • MIDLAND, TEXAS 79701
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX: (432) 682-1743
WWW.TOPOGRAPHIC.COM

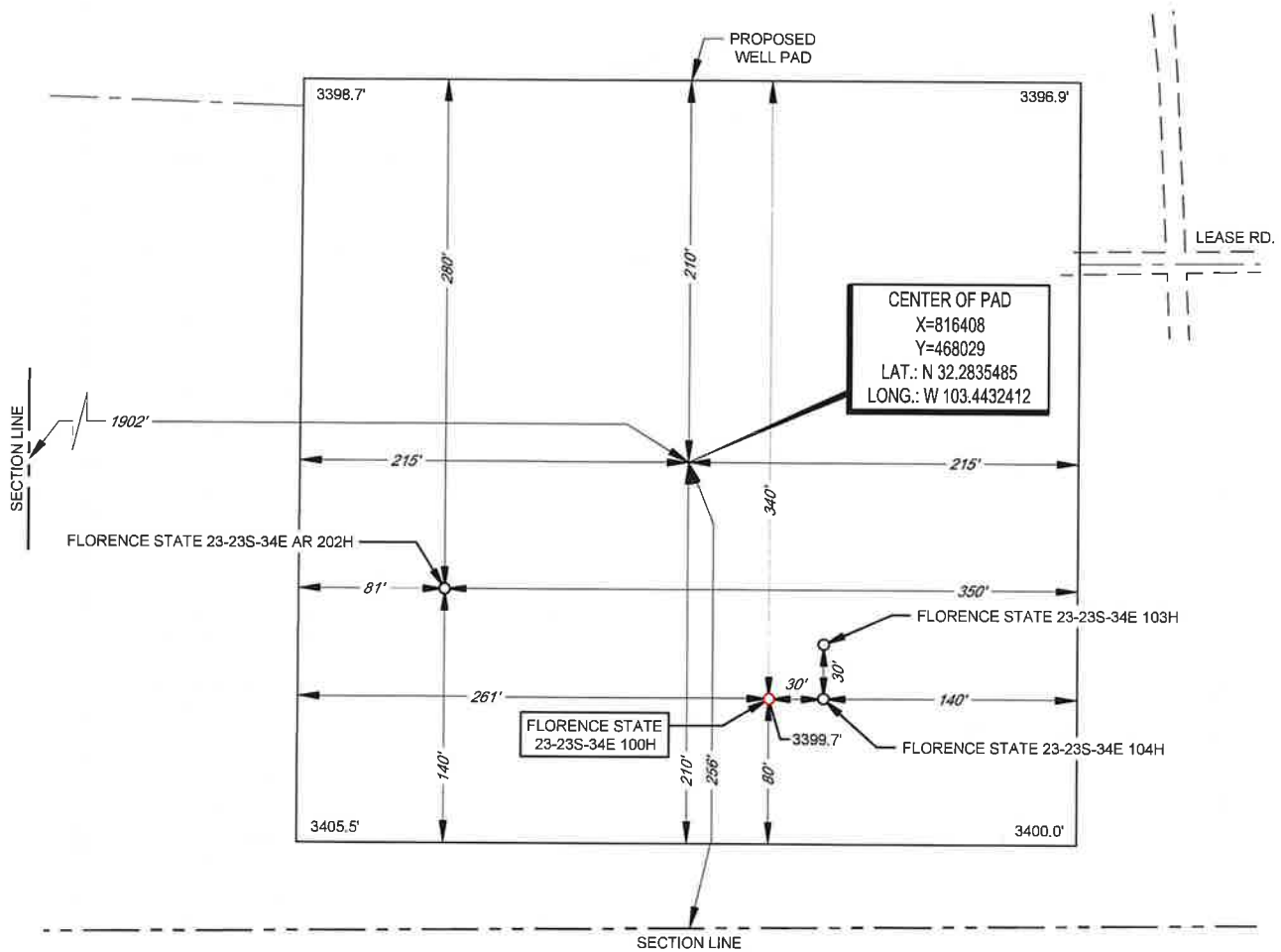
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LEGEND

--- SECTION LINE
 --- PROPOSED ROAD
 === ROAD WAY

SECTION 23, TOWNSHIP 23-S, RANGE 34-E, N.M.P.M.
 LEA COUNTY, NEW MEXICO



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

LEASE NAME & WELL NO.: FLORENCE STATE 23-23S-34E 100H
 100H LATITUDE N 32.2831905 100H LONGITUDE W 103.4430983

CENTER OF PAD IS 256' FSL & 1902' FWL



SCALE: 1" = 100'
 0' 50' 100'

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"

TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY

481 WINSOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
 808 WEST INDIANA • MIDLAND, TEXAS 79701

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

S:\SURVEY\MATADOR_RESOURCES\FLORENCE_STATE_2314\FINAL_PRODUCTS\LO_FLORENCE_STATE_23-23S-34E_100H.DWG 11/12/2025 12:33:58 PM garret.harris

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1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Comments
Permit 405262

PERMIT COMMENTS

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240		API Number: 30-025-55804
		Well: FLORENCE STATE 23 23S 34E #100H
Created By	Comment	Comment Date
jeffrey.harrison	Submitted as defining well for spacing unit.	1/14/2026

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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 405262

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-025-55804
	Well: FLORENCE STATE 23 23S 34E #100H

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	Prior to production of this well a change to the well name/number is required to comply with the OCD well naming convention.
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	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
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.

Addendum to Natural Gas Management Plan for Matador's

Florence State 23-23S-34E 100H, Florence State 2314 103H, Florence State 2314 104H

VI. Separation Equipment

Flow from the wells will be routed via a flowline to a 48"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 and commingled to one or more heater treaters. The flash gas from the heater treater(s) could either be sent to sales or routed to a compressor if the sales line pressure is higher than the MAWP of the heater treater (125 psi). From the heater treaters, hydrocarbon liquid will be routed to the tanks where vapor is compressed by a VRU if technically feasible to either sales or a compressor if the sales line pressure is higher than the VRU's maximum discharge pressure (~150 psi). Therefore, Matador has sized 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
Florence State 23-23S-34E 100H	900	1,400	1,600
Florence State 2314 103H	900	1,400	1,600
Florence State 2314 104H	900	1,400	1,600

VII. Operation Practices

Although not a complete recitation of all our efforts to comply with a 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: Florence State 23-23S-34E #100H										
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	1015	0	695	0	Option to drill surface hole with surface setting rig. Option to cement surface casing offline
INT 1	Brine	12.25	9.625	J-55	40.00	5200	0	1463	0	Option to run DV tool and Packer.
PROD	OBM/Cut Brine	7.875/6.75	5.5	P-110	20.00	19532	0	1799	5000	

Matador Production Company

Antelope Ridge

Florence

Florence State 23-23S-34E #100H

Wellbore #1

State Plan #1

Anticollision Summary Report

06 December, 2025

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Florence State 23-23S-34E #100H
Project:	Antelope Ridge	TVD Reference:	KB @ 3428.5usft
Reference Site:	Florence	MD Reference:	KB @ 3428.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Florence State 23-23S-34E #100H	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	12/6/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	19,531.9	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
Florence						
Florence State 23-23S-34E AR #111H - Wellbore #1 - Ac	19,531.9	8,924.4	170.3	95.1	2.263	CC, ES, SF
Florence State 23-23S-34E AR #121H - Wellbore #1 - Ac	19,531.9	8,926.9	180.0	93.6	2.084	CC, ES, SF
Florence State 23-23S-34E AR #202H - Wellbore #1 - W	3,524.8	3,516.5	26.1	1.0	1.041	Level 2, CC, ES, SF
Florence State Com #113H - Wellbore #1 - Actual	0.0	0.0	1,887.7			
Florence State Com #113H - Wellbore #1 - Actual	100.0	73.8	1,887.7	1,887.5	7,761.733	ES
Florence State Com #113H - Wellbore #1 - Actual	13,400.0	14,296.6	2,150.8	1,993.8	13.700	SF
Florence State Com #114H - Wellbore #1 - Actual	541.0	522.1	1,968.2	1,965.1	620.689	CC
Florence State Com #114H - Wellbore #1 - Actual	700.0	667.2	1,968.8	1,964.6	462.566	ES
Florence State Com #114H - Wellbore #1 - Actual	13,550.0	14,335.8	3,481.7	3,316.3	21.048	SF
Florence State Com #123H - Wellbore #1 - Actual	8,605.6	8,615.3	1,405.3	1,344.5	23.127	CC
Florence State Com #123H - Wellbore #1 - Actual	8,650.0	8,654.1	1,405.5	1,344.4	23.022	ES
Florence State Com #123H - Wellbore #1 - Actual	13,650.0	15,006.6	2,061.5	1,916.4	14.208	SF
Florence State Com #124H - Wellbore #1 - Actual	0.0	0.0	1,967.6			
Florence State Com #124H - Wellbore #1 - Actual	200.0	170.6	1,968.0	1,967.2	2,626.172	ES
Florence State Com #124H - Wellbore #1 - Actual	13,550.0	14,841.5	3,121.8	2,965.0	19.907	SF
Florence State Com #133H - Wellbore #1 - Actual	8,761.0	8,792.1	1,632.1	1,570.2	26.379	CC, ES
Florence State Com #133H - Wellbore #1 - Actual	13,950.0	16,226.0	3,123.0	2,987.2	23.003	SF
Florence State Com #134H - Wellbore #1 - Actual	0.0	0.0	1,858.7			
Florence State Com #134H - Wellbore #1 - Actual	300.0	267.7	1,859.8	1,858.4	1,269.526	ES
Florence State Com #134H - Wellbore #1 - Actual	13,700.0	16,346.0	3,873.6	3,725.6	26.169	SF
Offset Wells in Antelope Ridge						
State 23 #2 - Wellbore #1 - Actual	11,925.0	8,887.2	333.8	46.4	1.162	Level 2, CC, ES, SF
Try Try Again #1 - Wellbore #1 - Actual	19,510.4	8,910.1	138.1	32.4	1.307	Level 3, CC, ES, SF

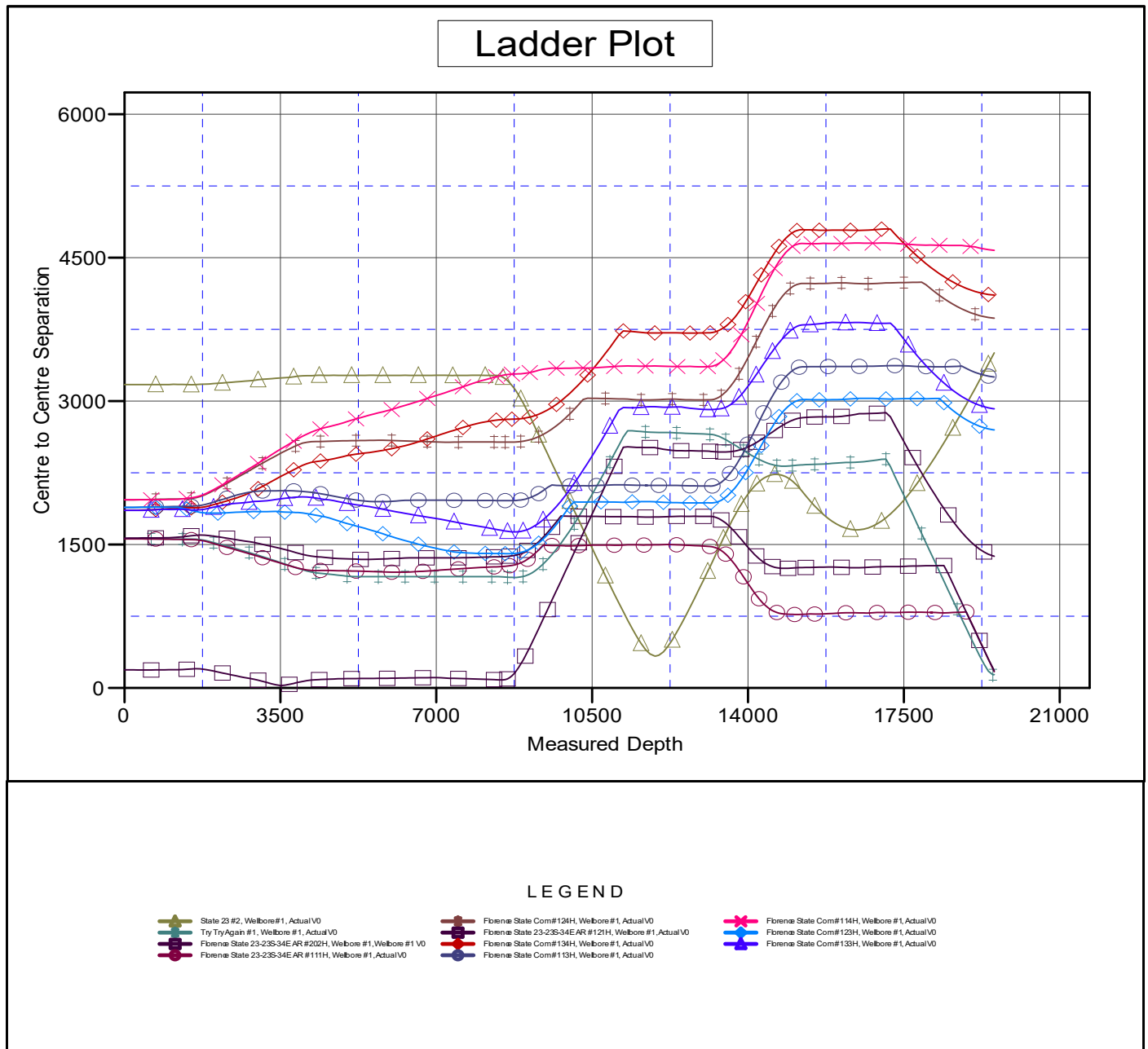
CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Florence State 23-23S-34E #100H
Project:	Antelope Ridge	TVD Reference:	KB @ 3428.5usft
Reference Site:	Florence	MD Reference:	KB @ 3428.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Florence State 23-23S-34E #100H	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 @ 3428.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Florence State 23-23S-34E #100H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.48°



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

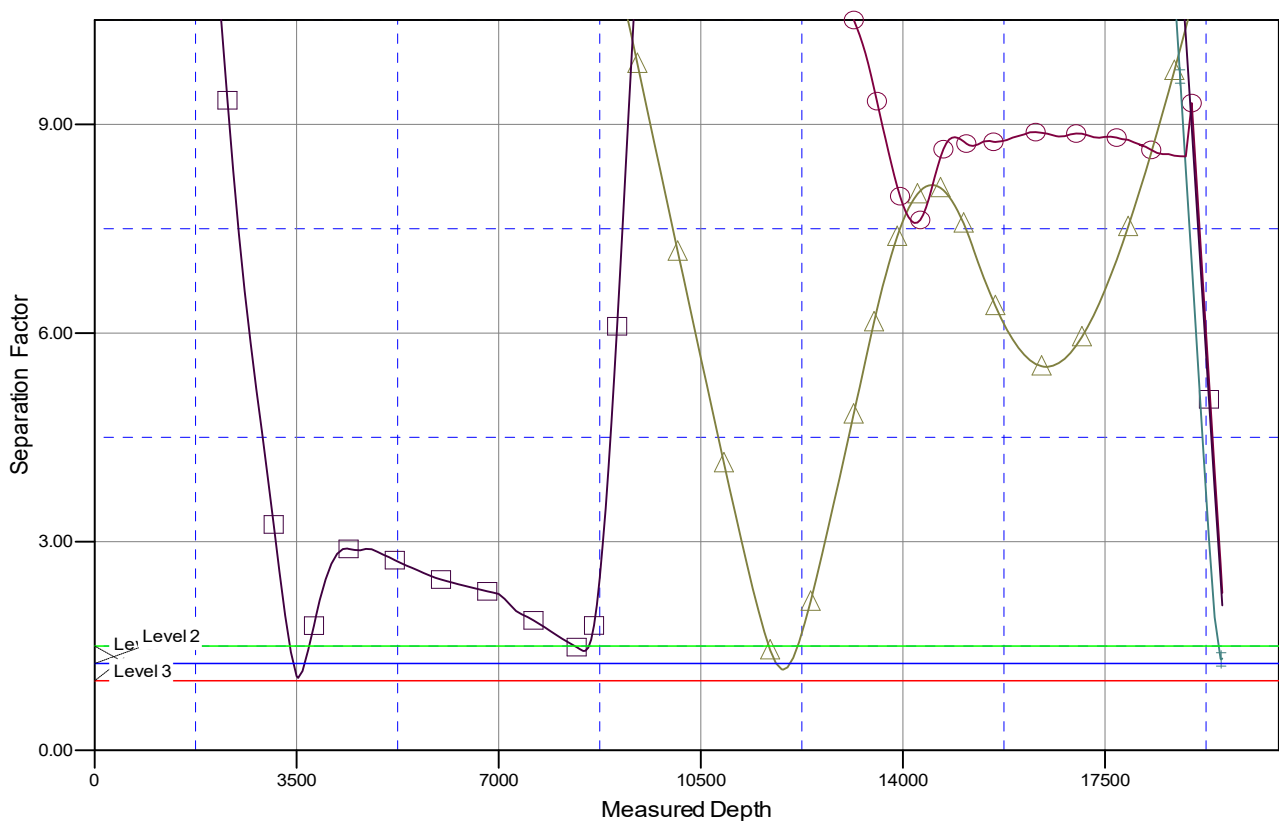
Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Florence State 23-23S-34E #100H
Project:	Antelope Ridge	TVD Reference:	KB @ 3428.5usft
Reference Site:	Florence	MD Reference:	KB @ 3428.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Florence State 23-23S-34E #100H	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 @ 3428.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Florence State 23-23S-34E #100H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.48°

Separation Factor Plot



LEGEND

State 23 #2, Wellbore #1, Actual\VO	Florence State Com#124H, Wellbore #1, Actual\VO	Florence State Com#114H, Wellbore #1, Actual\VO
Try Try Again #1, Wellbore #1, Actual\VO	Florence State 23-23S-34E AR #121H, Wellbore #1, Actual\VO	Florence State Com#123H, Wellbore #1, Actual\VO
Florence State 23-23S-34E AR #202H, Wellbore #1, Actual\VO	Florence State Com#134H, Wellbore #1, Actual\VO	Florence State Com#113H, Wellbore #1, Actual\VO
Florence State 23-23S-34E AR #111H, Wellbore #1, Actual\VO		

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

Matador Production Company

Antelope Ridge

Florence

Florence State 23-23S-34E #100H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

06 December, 2025

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 23-23S-34E #100H
Company:	Matador Production Company	TVD Reference:	KB @ 3428.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3428.5usft
Site:	Florence	North Reference:	Grid
Well:	Florence State 23-23S-34E #100H	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	Florence				
Site Position:		Northing:	467,939.47 usft	Latitude:	32° 16' 59.873 N
From:	Lat/Long	Easting:	777,124.90 usft	Longitude:	103° 26' 11.812 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.48 °

Well	Florence State 23-23S-34E #100H					
Well Position	+N/-S	-99.1 usft	Northing:	467,840.37 usft	Latitude:	32° 16' 59.046 N
	+E/-W	-1,856.0 usft	Easting:	775,268.89 usft	Longitude:	103° 26' 33.440 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,400.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2024	6.07	60.03	47,210.80424580

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	359.56

Plan Survey Tool Program	Date	12/6/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	19,531.9	State Plan #1 (Wellbore #1)	MWD
				OWSG MWD - Standard

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 23-23S-34E #100H
Company:	Matador Production Company	TVD Reference:	KB @ 3428.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3428.5usft
Site:	Florence	North Reference:	Grid
Well:	Florence State 23-23S-34E #100H	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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,900.0	8.00	256.48	1,898.7	-6.5	-27.1	2.00	2.00	0.00	256.48	
3,840.9	8.00	256.48	3,820.7	-69.7	-289.7	0.00	0.00	0.00	0.00	
4,374.3	0.00	0.00	4,352.4	-78.4	-325.9	1.50	-1.50	0.00	180.00	
8,348.9	0.00	0.00	8,327.0	-78.4	-325.9	0.00	0.00	0.00	0.00	KOP - Florence Sta
9,248.9	90.00	1.50	8,900.0	494.4	-310.9	10.00	10.00	0.00	1.50	
9,890.4	90.00	359.56	8,900.0	1,135.8	-304.9	0.30	0.00	-0.30	-90.02	
13,147.3	90.00	359.56	8,900.0	4,392.6	-329.9	0.00	0.00	0.00	0.00	DP1 - Florence Sta
14,184.5	90.00	269.40	8,900.0	5,046.6	-995.9	8.69	0.00	-8.69	-90.00	APEX - Florence St
15,220.8	90.00	179.56	8,900.0	4,380.6	-1,649.9	8.67	0.00	-8.67	-90.00	DP2 - Florence Sta
19,531.9	90.00	179.56	8,900.1	69.7	-1,616.9	0.00	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 23-23S-34E #100H
Company:	Matador Production Company	TVD Reference:	KB @ 3428.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3428.5usft
Site:	Florence	North Reference:	Grid
Well:	Florence State 23-23S-34E #100H	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
Start Build 2.00									
1,600.0	2.00	256.48	1,600.0	-0.4	-1.7	-0.4	2.00	2.00	0.00
1,700.0	4.00	256.48	1,699.8	-1.6	-6.8	-1.6	2.00	2.00	0.00
1,800.0	6.00	256.48	1,799.5	-3.7	-15.3	-3.6	2.00	2.00	0.00
1,900.0	8.00	256.48	1,898.7	-6.5	-27.1	-6.3	2.00	2.00	0.00
Start 1940.9 hold at 1900.0 MD									
2,000.0	8.00	256.48	1,997.7	-9.8	-40.6	-9.5	0.00	0.00	0.00
2,100.0	8.00	256.48	2,096.8	-13.0	-54.2	-12.6	0.00	0.00	0.00
2,200.0	8.00	256.48	2,195.8	-16.3	-67.7	-15.8	0.00	0.00	0.00
2,300.0	8.00	256.48	2,294.8	-19.5	-81.2	-18.9	0.00	0.00	0.00
2,400.0	8.00	256.48	2,393.8	-22.8	-94.8	-22.1	0.00	0.00	0.00
2,500.0	8.00	256.48	2,492.9	-26.0	-108.3	-25.2	0.00	0.00	0.00
2,600.0	8.00	256.48	2,591.9	-29.3	-121.8	-28.4	0.00	0.00	0.00
2,700.0	8.00	256.48	2,690.9	-32.6	-135.4	-31.5	0.00	0.00	0.00
2,800.0	8.00	256.48	2,789.9	-35.8	-148.9	-34.7	0.00	0.00	0.00
2,900.0	8.00	256.48	2,889.0	-39.1	-162.4	-37.8	0.00	0.00	0.00
3,000.0	8.00	256.48	2,988.0	-42.3	-176.0	-41.0	0.00	0.00	0.00
3,100.0	8.00	256.48	3,087.0	-45.6	-189.5	-44.1	0.00	0.00	0.00
3,200.0	8.00	256.48	3,186.1	-48.8	-203.0	-47.3	0.00	0.00	0.00
3,300.0	8.00	256.48	3,285.1	-52.1	-216.5	-50.4	0.00	0.00	0.00
3,400.0	8.00	256.48	3,384.1	-55.3	-230.1	-53.6	0.00	0.00	0.00
3,500.0	8.00	256.48	3,483.1	-58.6	-243.6	-56.7	0.00	0.00	0.00
3,600.0	8.00	256.48	3,582.2	-61.8	-257.1	-59.9	0.00	0.00	0.00
3,700.0	8.00	256.48	3,681.2	-65.1	-270.7	-63.0	0.00	0.00	0.00
3,800.0	8.00	256.48	3,780.2	-68.3	-284.2	-66.2	0.00	0.00	0.00
3,840.9	8.00	256.48	3,820.7	-69.7	-289.7	-67.4	0.00	0.00	0.00
Start Drop -1.50									
3,900.0	7.11	256.48	3,879.3	-71.5	-297.3	-69.2	1.50	-1.50	0.00
4,000.0	5.61	256.48	3,978.7	-74.1	-308.1	-71.7	1.50	-1.50	0.00
4,100.0	4.11	256.48	4,078.3	-76.1	-316.3	-73.6	1.50	-1.50	0.00
4,200.0	2.61	256.48	4,178.1	-77.4	-322.0	-75.0	1.50	-1.50	0.00
4,300.0	1.11	256.48	4,278.1	-78.2	-325.2	-75.7	1.50	-1.50	0.00
4,374.3	0.00	0.00	4,352.4	-78.4	-325.9	-75.9	1.50	-1.50	0.00
Start 3974.6 hold at 4374.3 MD									
4,400.0	0.00	0.00	4,378.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
4,500.0	0.00	0.00	4,478.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
4,600.0	0.00	0.00	4,578.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
4,700.0	0.00	0.00	4,678.1	-78.4	-325.9	-75.9	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 23-23S-34E #100H
Company:	Matador Production Company	TVD Reference:	KB @ 3428.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3428.5usft
Site:	Florence	North Reference:	Grid
Well:	Florence State 23-23S-34E #100H	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)
4,800.0	0.00	0.00	4,778.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
4,900.0	0.00	0.00	4,878.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
5,000.0	0.00	0.00	4,978.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
5,100.0	0.00	0.00	5,078.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
5,200.0	0.00	0.00	5,178.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
5,300.0	0.00	0.00	5,278.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
5,400.0	0.00	0.00	5,378.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
5,500.0	0.00	0.00	5,478.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
5,600.0	0.00	0.00	5,578.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
5,700.0	0.00	0.00	5,678.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
5,800.0	0.00	0.00	5,778.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
5,900.0	0.00	0.00	5,878.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
6,000.0	0.00	0.00	5,978.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
6,100.0	0.00	0.00	6,078.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
6,200.0	0.00	0.00	6,178.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
6,300.0	0.00	0.00	6,278.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,378.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,478.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,578.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,678.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,778.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,878.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,978.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
7,100.0	0.00	0.00	7,078.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,178.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
7,300.0	0.00	0.00	7,278.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,378.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
7,500.0	0.00	0.00	7,478.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
7,600.0	0.00	0.00	7,578.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
7,700.0	0.00	0.00	7,678.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,778.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,878.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,978.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
8,100.0	0.00	0.00	8,078.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,178.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,278.1	-78.4	-325.9	-75.9	0.00	0.00	0.00
8,348.9	0.00	0.00	8,327.0	-78.4	-325.9	-75.9	0.00	0.00	0.00
Start Build 10.00 - KOP - Florence State 23-23S-34E #100H									
8,400.0	5.11	1.50	8,378.0	-76.1	-325.8	-73.6	10.00	10.00	0.00
8,500.0	15.11	1.50	8,476.3	-58.6	-325.4	-56.1	10.00	10.00	0.00
8,600.0	25.11	1.50	8,570.1	-24.2	-324.5	-21.8	10.00	10.00	0.00
8,700.0	35.11	1.50	8,656.5	25.8	-323.2	28.3	10.00	10.00	0.00
8,800.0	45.11	1.50	8,732.9	90.2	-321.5	92.6	10.00	10.00	0.00
8,900.0	55.11	1.50	8,797.0	166.8	-319.5	169.2	10.00	10.00	0.00
9,000.0	65.11	1.50	8,846.7	253.3	-317.2	255.7	10.00	10.00	0.00
9,100.0	75.11	1.50	8,880.7	347.2	-314.7	349.6	10.00	10.00	0.00
9,200.0	85.11	1.50	8,897.9	445.6	-312.2	447.9	10.00	10.00	0.00
9,248.9	90.00	1.50	8,900.0	494.4	-310.9	496.8	10.00	10.00	0.00
Start DLS 0.30 TFO -90.02									
9,300.0	90.00	1.35	8,900.0	545.5	-309.6	547.8	0.30	0.00	-0.30
9,400.0	90.00	1.04	8,900.0	645.4	-307.5	647.8	0.30	0.00	-0.30
9,500.0	90.00	0.74	8,900.0	745.4	-306.0	747.8	0.30	0.00	-0.30
9,600.0	90.00	0.44	8,900.0	845.4	-305.0	847.7	0.30	0.00	-0.30

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 23-23S-34E #100H
Company:	Matador Production Company	TVD Reference:	KB @ 3428.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3428.5usft
Site:	Florence	North Reference:	Grid
Well:	Florence State 23-23S-34E #100H	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)
9,700.0	90.00	0.14	8,900.0	945.4	-304.4	947.7	0.30	0.00	-0.30
9,800.0	90.00	359.83	8,900.0	1,045.4	-304.5	1,047.7	0.30	0.00	-0.30
9,890.4	90.00	359.56	8,900.0	1,135.8	-304.9	1,138.1	0.30	0.00	-0.30
Start 3256.9 hold at 9890.4 MD									
9,900.0	90.00	359.56	8,900.0	1,145.4	-305.0	1,147.7	0.00	0.00	0.00
10,000.0	90.00	359.56	8,900.0	1,245.4	-305.8	1,247.7	0.00	0.00	0.00
10,100.0	90.00	359.56	8,900.0	1,345.4	-306.6	1,347.7	0.00	0.00	0.00
10,200.0	90.00	359.56	8,900.0	1,445.4	-307.3	1,447.7	0.00	0.00	0.00
10,300.0	90.00	359.56	8,900.0	1,545.4	-308.1	1,547.7	0.00	0.00	0.00
10,400.0	90.00	359.56	8,900.0	1,645.4	-308.9	1,647.7	0.00	0.00	0.00
10,500.0	90.00	359.56	8,900.0	1,745.4	-309.6	1,747.7	0.00	0.00	0.00
10,600.0	90.00	359.56	8,900.0	1,845.4	-310.4	1,847.7	0.00	0.00	0.00
10,700.0	90.00	359.56	8,900.0	1,945.4	-311.1	1,947.7	0.00	0.00	0.00
10,800.0	90.00	359.56	8,900.0	2,045.4	-311.9	2,047.7	0.00	0.00	0.00
10,900.0	90.00	359.56	8,900.0	2,145.4	-312.7	2,147.7	0.00	0.00	0.00
11,000.0	90.00	359.56	8,900.0	2,245.4	-313.4	2,247.7	0.00	0.00	0.00
11,100.0	90.00	359.56	8,900.0	2,345.4	-314.2	2,347.7	0.00	0.00	0.00
11,200.0	90.00	359.56	8,900.0	2,445.4	-315.0	2,447.7	0.00	0.00	0.00
11,300.0	90.00	359.56	8,900.0	2,545.4	-315.7	2,547.7	0.00	0.00	0.00
11,400.0	90.00	359.56	8,900.0	2,645.4	-316.5	2,647.7	0.00	0.00	0.00
11,500.0	90.00	359.56	8,900.0	2,745.4	-317.3	2,747.7	0.00	0.00	0.00
11,600.0	90.00	359.56	8,900.0	2,845.4	-318.0	2,847.7	0.00	0.00	0.00
11,700.0	90.00	359.56	8,900.0	2,945.4	-318.8	2,947.7	0.00	0.00	0.00
11,800.0	90.00	359.56	8,900.0	3,045.4	-319.6	3,047.7	0.00	0.00	0.00
11,900.0	90.00	359.56	8,900.0	3,145.4	-320.3	3,147.7	0.00	0.00	0.00
12,000.0	90.00	359.56	8,900.0	3,245.4	-321.1	3,247.7	0.00	0.00	0.00
12,100.0	90.00	359.56	8,900.0	3,345.4	-321.9	3,347.7	0.00	0.00	0.00
12,200.0	90.00	359.56	8,900.0	3,445.3	-322.6	3,447.7	0.00	0.00	0.00
12,300.0	90.00	359.56	8,900.0	3,545.3	-323.4	3,547.7	0.00	0.00	0.00
12,400.0	90.00	359.56	8,900.0	3,645.3	-324.2	3,647.7	0.00	0.00	0.00
12,500.0	90.00	359.56	8,900.0	3,745.3	-324.9	3,747.7	0.00	0.00	0.00
12,600.0	90.00	359.56	8,900.0	3,845.3	-325.7	3,847.7	0.00	0.00	0.00
12,700.0	90.00	359.56	8,900.0	3,945.3	-326.5	3,947.7	0.00	0.00	0.00
12,800.0	90.00	359.56	8,900.0	4,045.3	-327.2	4,047.7	0.00	0.00	0.00
12,900.0	90.00	359.56	8,900.0	4,145.3	-328.0	4,147.7	0.00	0.00	0.00
13,000.0	90.00	359.56	8,900.0	4,245.3	-328.8	4,247.7	0.00	0.00	0.00
13,100.0	90.00	359.56	8,900.0	4,345.3	-329.5	4,347.7	0.00	0.00	0.00
13,147.3	90.00	359.56	8,900.0	4,392.6	-329.9	4,395.0	0.00	0.00	0.00
Start DLS 8.69 TFO -90.00 - DP1 - Florence State 23-23S-34E #100H									
13,200.0	90.00	354.98	8,900.0	4,445.2	-332.4	4,447.7	8.69	0.00	-8.69
13,300.0	90.00	346.29	8,900.0	4,543.8	-348.7	4,546.4	8.69	0.00	-8.69
13,400.0	90.00	337.59	8,900.0	4,638.8	-379.6	4,641.6	8.69	0.00	-8.69
13,500.0	90.00	328.90	8,900.0	4,728.0	-424.6	4,731.1	8.69	0.00	-8.69
13,600.0	90.00	320.21	8,900.0	4,809.4	-482.5	4,813.0	8.69	0.00	-8.69
13,700.0	90.00	311.51	8,900.0	4,881.1	-552.1	4,885.2	8.69	0.00	-8.69
13,800.0	90.00	302.82	8,900.0	4,941.5	-631.7	4,946.2	8.69	0.00	-8.69
13,894.9	90.00	294.57	8,900.0	4,987.0	-714.9	4,992.3	8.69	0.00	-8.69
NPZ1 - Florence State 23-23S-34E #100H									
13,900.0	90.00	294.13	8,900.0	4,989.1	-719.5	4,994.5	8.69	0.00	-8.69
14,000.0	90.00	285.43	8,900.0	5,022.9	-813.5	5,029.0	8.69	0.00	-8.69
14,100.0	90.00	276.74	8,900.0	5,042.1	-911.6	5,049.0	8.69	0.00	-8.69
14,184.5	90.00	269.40	8,900.0	5,046.6	-995.9	5,054.1	8.69	0.00	-8.69
Start DLS 8.67 TFO -90.00 - APEX - Florence State 23-23S-34E #100H									

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 23-23S-34E #100H
Company:	Matador Production Company	TVD Reference:	KB @ 3428.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3428.5usft
Site:	Florence	North Reference:	Grid
Well:	Florence State 23-23S-34E #100H	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)
14,200.0	90.00	268.05	8,900.0	5,046.3	-1,011.4	5,053.9	8.67	0.00	-8.67
14,300.0	90.00	259.38	8,900.0	5,035.4	-1,110.7	5,043.7	8.67	0.00	-8.67
14,400.0	90.00	250.72	8,900.0	5,009.6	-1,207.2	5,018.7	8.67	0.00	-8.67
14,500.0	90.00	242.05	8,900.0	4,969.6	-1,298.8	4,979.4	8.67	0.00	-8.67
14,600.0	90.00	233.38	8,900.0	4,916.2	-1,383.2	4,926.7	8.67	0.00	-8.67
14,642.1	90.00	229.73	8,900.0	4,890.0	-1,416.2	4,900.7	8.67	0.00	-8.67
NP22 - Florence State 23-23S-34E #100H									
14,700.0	90.00	224.71	8,900.0	4,850.7	-1,458.7	4,861.8	8.67	0.00	-8.67
14,800.0	90.00	216.04	8,900.0	4,774.6	-1,523.4	4,786.2	8.67	0.00	-8.67
14,900.0	90.00	207.37	8,900.0	4,689.6	-1,575.9	4,701.6	8.67	0.00	-8.67
15,000.0	90.00	198.71	8,900.0	4,597.7	-1,615.0	4,609.9	8.67	0.00	-8.67
15,100.0	90.00	190.04	8,900.0	4,500.9	-1,639.8	4,513.3	8.67	0.00	-8.67
15,200.0	90.00	181.37	8,900.0	4,401.5	-1,649.7	4,414.0	8.67	0.00	-8.67
15,220.8	90.00	179.56	8,900.0	4,380.6	-1,649.9	4,393.2	8.67	0.00	-8.67
Start 4311.1 hold at 15220.8 MD - DP2 - Florence State 23-23S-34E #100H									
15,300.0	90.00	179.56	8,900.0	4,301.5	-1,649.3	4,314.0	0.00	0.00	0.00
15,400.0	90.00	179.56	8,900.0	4,201.5	-1,648.5	4,214.0	0.00	0.00	0.00
15,500.0	90.00	179.56	8,900.0	4,101.5	-1,647.8	4,114.0	0.00	0.00	0.00
15,600.0	90.00	179.56	8,900.0	4,001.5	-1,647.0	4,014.0	0.00	0.00	0.00
15,700.0	90.00	179.56	8,900.0	3,901.5	-1,646.2	3,914.0	0.00	0.00	0.00
15,800.0	90.00	179.56	8,900.0	3,801.5	-1,645.5	3,814.0	0.00	0.00	0.00
15,900.0	90.00	179.56	8,900.0	3,701.5	-1,644.7	3,714.0	0.00	0.00	0.00
16,000.0	90.00	179.56	8,900.0	3,601.5	-1,643.9	3,614.0	0.00	0.00	0.00
16,100.0	90.00	179.56	8,900.0	3,501.5	-1,643.2	3,514.0	0.00	0.00	0.00
16,200.0	90.00	179.56	8,900.0	3,401.5	-1,642.4	3,414.0	0.00	0.00	0.00
16,300.0	90.00	179.56	8,900.0	3,301.5	-1,641.6	3,314.0	0.00	0.00	0.00
16,400.0	90.00	179.56	8,900.0	3,201.5	-1,640.9	3,214.0	0.00	0.00	0.00
16,500.0	90.00	179.56	8,900.0	3,101.5	-1,640.1	3,114.0	0.00	0.00	0.00
16,600.0	90.00	179.56	8,900.0	3,001.5	-1,639.3	3,014.0	0.00	0.00	0.00
16,700.0	90.00	179.56	8,900.0	2,901.5	-1,638.6	2,914.0	0.00	0.00	0.00
16,800.0	90.00	179.56	8,900.0	2,801.5	-1,637.8	2,814.0	0.00	0.00	0.00
16,900.0	90.00	179.56	8,900.0	2,701.5	-1,637.0	2,714.0	0.00	0.00	0.00
17,000.0	90.00	179.56	8,900.0	2,601.5	-1,636.3	2,614.0	0.00	0.00	0.00
17,100.0	90.00	179.56	8,900.0	2,501.5	-1,635.5	2,514.0	0.00	0.00	0.00
17,200.0	90.00	179.56	8,900.0	2,401.5	-1,634.7	2,414.0	0.00	0.00	0.00
17,300.0	90.00	179.56	8,900.0	2,301.5	-1,634.0	2,314.0	0.00	0.00	0.00
17,400.0	90.00	179.56	8,900.0	2,201.5	-1,633.2	2,214.0	0.00	0.00	0.00
17,500.0	90.00	179.56	8,900.0	2,101.5	-1,632.4	2,114.0	0.00	0.00	0.00
17,600.0	90.00	179.56	8,900.0	2,001.6	-1,631.7	2,014.0	0.00	0.00	0.00
17,700.0	90.00	179.56	8,900.0	1,901.6	-1,630.9	1,914.0	0.00	0.00	0.00
17,800.0	90.00	179.56	8,900.0	1,801.6	-1,630.1	1,814.0	0.00	0.00	0.00
17,900.0	90.00	179.56	8,900.0	1,701.6	-1,629.4	1,714.0	0.00	0.00	0.00
18,000.0	90.00	179.56	8,900.0	1,601.6	-1,628.6	1,614.0	0.00	0.00	0.00
18,100.0	90.00	179.56	8,900.0	1,501.6	-1,627.8	1,514.0	0.00	0.00	0.00
18,200.0	90.00	179.56	8,900.0	1,401.6	-1,627.1	1,414.0	0.00	0.00	0.00
18,300.0	90.00	179.56	8,900.0	1,301.6	-1,626.3	1,314.0	0.00	0.00	0.00
18,400.0	90.00	179.56	8,900.0	1,201.6	-1,625.5	1,214.0	0.00	0.00	0.00
18,500.0	90.00	179.56	8,900.0	1,101.6	-1,624.8	1,114.0	0.00	0.00	0.00
18,600.0	90.00	179.56	8,900.0	1,001.6	-1,624.0	1,014.0	0.00	0.00	0.00
18,700.0	90.00	179.56	8,900.0	901.6	-1,623.2	914.0	0.00	0.00	0.00
18,800.0	90.00	179.56	8,900.0	801.6	-1,622.5	814.0	0.00	0.00	0.00
18,900.0	90.00	179.56	8,900.0	701.6	-1,621.7	714.0	0.00	0.00	0.00
19,000.0	90.00	179.56	8,900.0	601.6	-1,621.0	614.0	0.00	0.00	0.00
19,100.0	90.00	179.56	8,900.0	501.6	-1,620.2	514.0	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 23-23S-34E #100H
Company:	Matador Production Company	TVD Reference:	KB @ 3428.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3428.5usft
Site:	Florence	North Reference:	Grid
Well:	Florence State 23-23S-34E #100H	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)	
19,200.0	90.00	179.56	8,900.0	401.6	-1,619.4	414.0	0.00	0.00	0.00	
19,300.0	90.00	179.56	8,900.0	301.6	-1,618.7	314.0	0.00	0.00	0.00	
19,400.0	90.00	179.56	8,900.0	201.6	-1,617.9	214.0	0.00	0.00	0.00	
19,500.0	90.00	179.56	8,900.1	101.6	-1,617.1	114.0	0.00	0.00	0.00	
19,531.9	90.00	179.56	8,900.1	69.7	-1,616.9	82.1	0.00	0.00	0.00	
TD at 19531.9 - BHL - Florence State 23-23S-34E #100H										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
KOP - Florence State - hit/miss target - Shape - Point	0.00	0.00	8,327.0	-78.4	-325.9	467,762.00	774,943.00	32° 16' 58.297 N	103° 26' 37.243 W	
NPZ1 - Florence State - plan hits target center - Point	0.00	0.00	8,900.0	4,987.0	-714.9	472,827.37	774,553.96	32° 17' 48.451 N	103° 26' 41.286 W	
NPZ2 - Florence State - plan hits target center - Point	0.00	0.00	8,900.0	4,890.0	-1,416.2	472,730.37	773,852.68	32° 17' 47.549 N	103° 26' 49.465 W	
DP1 - Florence State - plan hits target center - Point	0.00	0.00	8,900.0	4,392.6	-329.9	472,233.00	774,939.00	32° 17' 42.538 N	103° 26' 36.858 W	
APEX - Florence State - plan hits target center - Point	0.00	0.00	8,900.0	5,046.6	-995.9	472,887.00	774,273.00	32° 17' 49.064 N	103° 26' 44.553 W	
BHL - Florence State - plan misses target center by 100.0usft at 19531.9usft MD (8900.1 TVD, 69.7 N, -1616.9 E) - Point	0.00	0.00	8,900.0	-30.4	-1,615.9	467,810.00	773,653.00	32° 16' 58.877 N	103° 26' 52.264 W	
DP2 - Florence State - plan hits target center - Point	0.00	0.00	8,900.0	4,380.6	-1,649.9	472,221.00	773,619.00	32° 17' 42.527 N	103° 26' 52.236 W	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.0	1,500.0	0.0	0.0	Start Build 2.00	
1,900.0	1,898.7	-6.5	-27.1	Start 1940.9 hold at 1900.0 MD	
3,840.9	3,820.7	-69.7	-289.7	Start Drop -1.50	
4,374.3	4,352.4	-78.4	-325.9	Start 3974.6 hold at 4374.3 MD	
8,348.9	8,327.0	-78.4	-325.9	Start Build 10.00	
9,248.9	8,900.0	494.4	-310.9	Start DLS 0.30 TFO -90.02	
9,890.4	8,900.0	1,135.8	-304.9	Start 3256.9 hold at 9890.4 MD	
13,147.3	8,900.0	4,392.6	-329.9	Start DLS 8.69 TFO -90.00	
14,184.5	8,900.0	5,046.6	-995.9	Start DLS 8.67 TFO -90.00	
15,220.8	8,900.0	4,380.6	-1,649.9	Start 4311.1 hold at 15220.8 MD	
19,531.9	8,900.1	69.7	-1,616.9	TD at 19531.9	

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:** 11/21/2025

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
Florence State 23-23S-34E 100H	TBD	N-23-23S-34E	126' FSL & 1,946' FWL	900	1,400	1,600
Florence State 2314 103H	TBD	N-23-23S-34E	156' FSL & 1,977 FWL	900	1,400	1,600
Florence State 2314 104H	TBD	N-23-23S-34E	126' FSL & 1,976' FWL	900	1,400	1,600

IV. Central Delivery Point Name: Florence TB [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
Florence State 23-23S-34E 100H	TBD	06/11/2026	07/04/2026	07/15/2026	08/25/2026	08/25/2026
Florence State 2314 103H	TBD	05/01/2026	05/21/2026	07/15/2026	08/25/2026	08/25/2026
Florence State 2314 104H	TBD	05/21/2026	06/10/2026	07/15/2026	08/25/2026	08/25/2026

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: Oscar Gonzalez
Title: Facilities Engineer
E-mail Address: ogonzalez@matadorresources.com
Date: 11/21/2025
Phone: 972 – 629 – 2147
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval: