

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 405214

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 332052		3. API Number 30-025-55802
5. Property Name FLORENCE 2314 STATE		6. Well No. 103H

7. Surface Location

UL - Lot N	Section 23	Township 23S	Range 34E	Lot Idn	Feet From 156	N/S Line S	Feet From 1977	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot B	Section 14	Township 23S	Range 34E	Lot Idn B	Feet From 110	N/S Line N	Feet From 2304	E/W Line E	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 19127	18. Formation Bone Spring	19. Contractor	20. Spud Date 5/1/2026
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	19127	1771	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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> 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: 1/14/2026	Expiration Date: 1/14/2028
Date: 12/18/2025	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
		<input checked="" type="checkbox"/> Initial Submittal
	Submittal Type:	<input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-55802	Pool Code 2209	Pool Name Antelope Ridge; Bone Spring, West
Property Code 332052	Property Name FLORENCE STATE 2014 2314 STATE	Well Number 103H
OGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 3400'
Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input checked="" type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> 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	-	156' S	1977' W	N 32.2832724	W 103.4430002	LEA

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
B	14	23-S	34-E	-	110' N	2304' E	N 32.3115664	W 103.4397642	LEA

Dedicated Acres 320	Infill or Defining Well INFILL	Defining Well API 30-025-49698	Overlapping Spacing Unit (Y/N) N	Consolidated Code C
Order Numbers N/A			Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	23	23-S	34-E	-	50' S	2320' E	N 32.2829819	W 103.4397869	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
O	23	23-S	34-E	-	100' S	2320' E	N 32.2831194	W 103.4397868	LEA

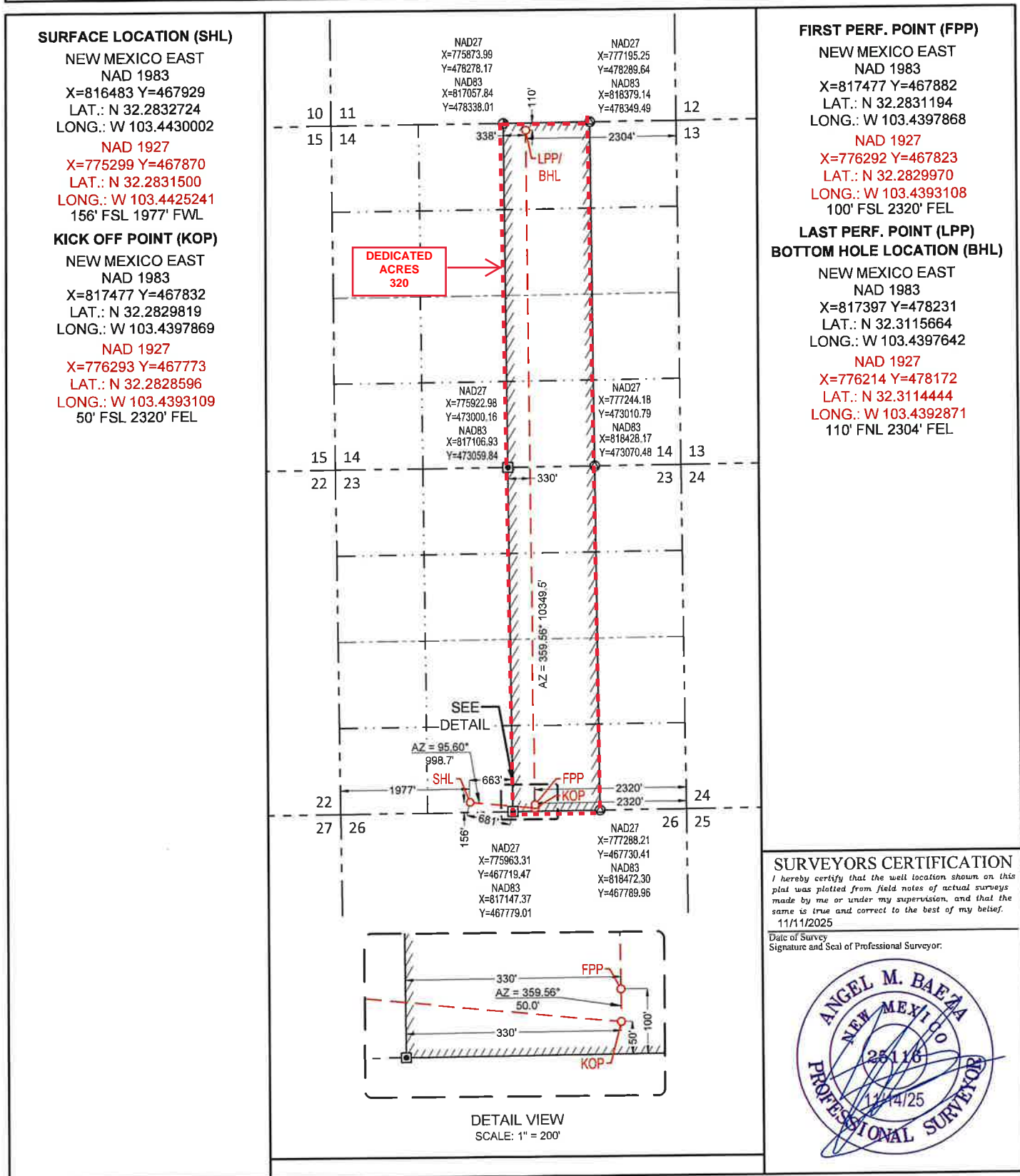
Last Take Point (LTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
B	14	23-S	34-E	-	110' N	2304' E	N 32.3115664	W 103.4397642	LEA

Unitized Area or Area of Uniform Interest N/A	Spacing Unity Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation 3400'X
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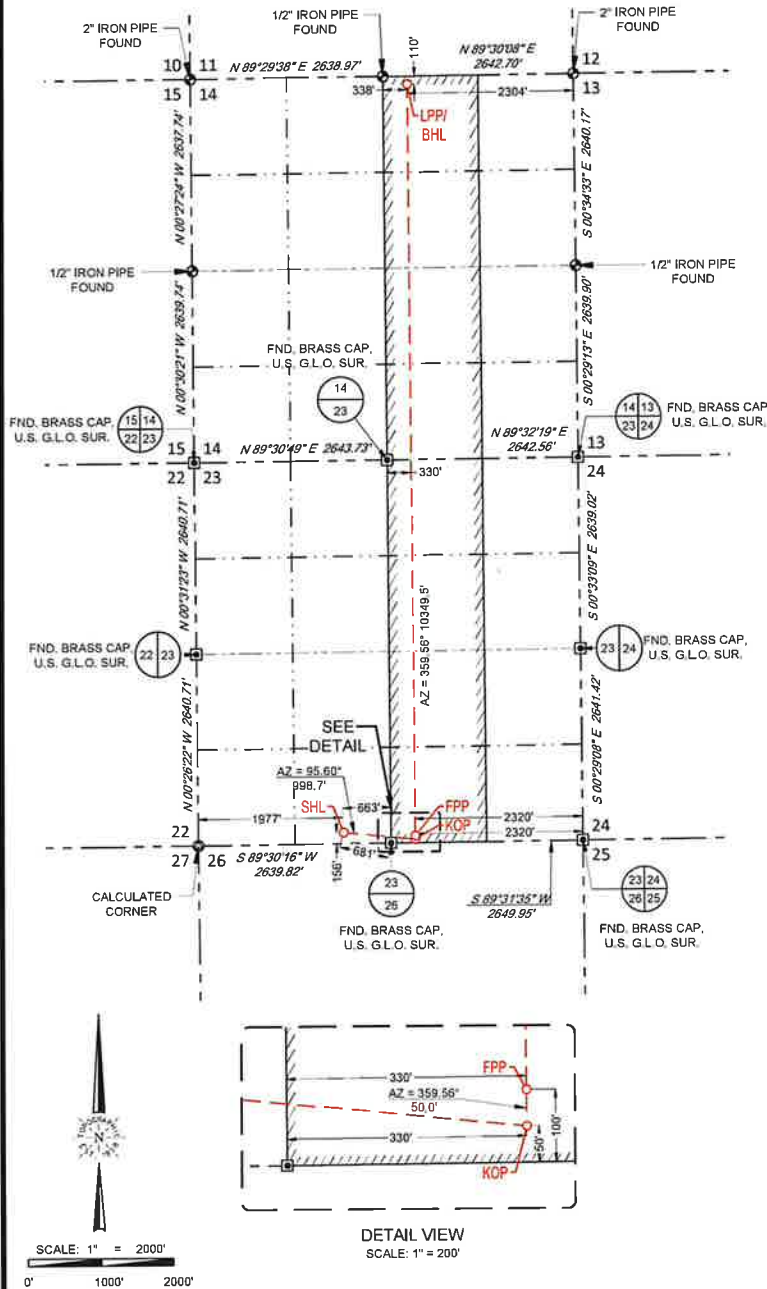
<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including 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.</i></p> <p><i>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></p> <p><i>David W. Johns</i> 11/10/25</p> <p>Signature _____ Date _____</p> <p>David W. Johns</p> <p>Print Name _____</p> <p>djohns@matadorresources.com</p> <p>E-mail Address _____</p>	<p>SURVEYORS CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of a land survey made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <div style="text-align: center;"> </div> <p>Signature and Seal of Professional Surveyor _____ Date _____</p> <p>Certificate Number _____ Date of Survey _____</p> <p style="text-align: center;">11/11/2025</p>
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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:	<input checked="" type="checkbox"/> Initial Submittal
		<input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
Property Name and Well Number 2314 STATE FLORENCE STATE 2314 103H		





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



SURFACE LOCATION (SHL)
NEW MEXICO EAST
NAD 1983
X=816483 Y=467929
LAT.: N 32.2832724
LONG.: W 103.4430002
156' FSL 1977' FWL

KICK OFF POINT (KOP)
NEW MEXICO EAST
NAD 1983
X=817477 Y=467832
LAT.: N 32.2829819
LONG.: W 103.4397869
50' FSL 2320' FEL

FIRST PERF. POINT (FPP)
NEW MEXICO EAST
NAD 1983
X=817477 Y=467882
LAT.: N 32.2831194
LONG.: W 103.4397868
100' FSL 2320' FEL

LAST PERF. POINT (LPP)
BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=817397 Y=478231
LAT.: N 32.3115664
LONG.: W 103.4397642
110' FNL 2304' FEL

LEASE NAME & WELL NO.: FLORENCE STATE 2314 103H

SECTION 23 TWP 23-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 156' FSL & 1977' 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

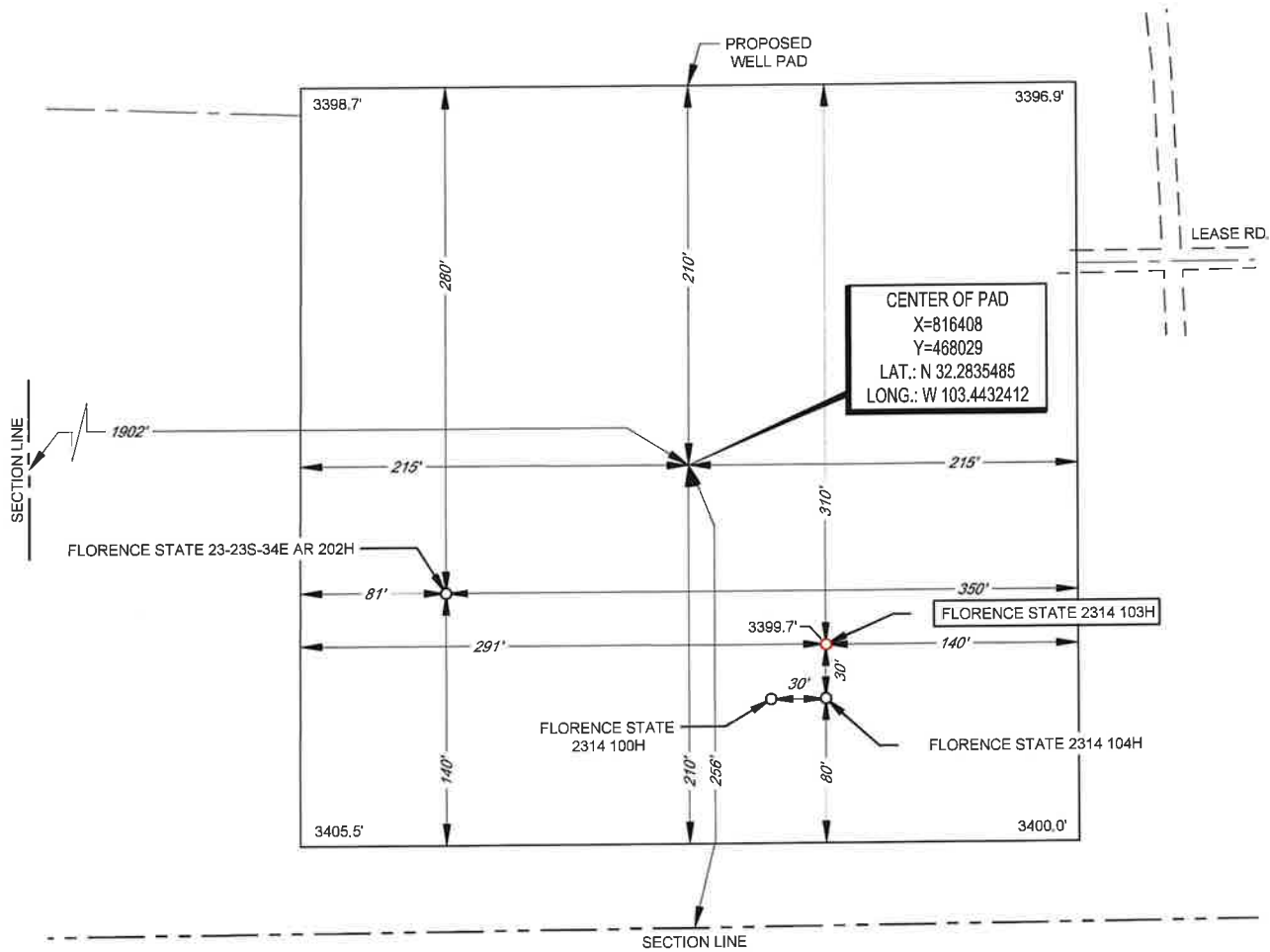
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSBROTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554
808 WEST INDIANA • MIDLAND, TEXAS 79701
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX: (432) 682-1743
WWW.TOPOGRAPHIC.COM



LEGEND

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

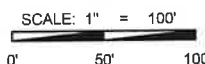
SECTION 23, TOWNSHIP 23-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



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

LEASE NAME & WELL NO.: FLORENCE STATE 2314 103H
 103H LATITUDE N 32.2832724 103H LONGITUDE W 103.4430002

CENTER OF PAD IS 256' FSL & 1902' FWL



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

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

ORIGINAL DOCUMENT SIZE: 8.5" X 11"



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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Comments

Permit 405214

PERMIT COMMENTS

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240		API Number: 30-025-55802
		Well: FLORENCE 2314 STATE #103H
Created By	Comment	Comment Date
jeffrey.harrison	Infill to 30-025-49698.	1/14/2026

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

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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 Conditions

Permit 405214

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-025-55802
	Well: FLORENCE 2314 STATE #103H

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	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

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: <i>Oscar Gonzalez</i>
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:

Well Name: Florence State #103H

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	19127	0	1771	5000	

Matador Production Company

Antelope Ridge

Florence

Florence State 2314 #103H

Wellbore #1

State Plan #1

Anticollision Summary Report

05 December, 2025

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Florence State 2314 #103H
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 2314 #103H	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	12/5/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	19,126.6	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
Florence						
Florence State 2314 #104H - Wellbore #1 - State Plan #1	2,145.3	2,145.2	21.1	6.2	1.420	Level 3, CC, ES, SF
Florence State 23-23S-34E #100H - Wellbore #1 - State	1,500.0	1,500.0	42.5	32.2	4.127	CC, ES
Florence State 23-23S-34E #100H - Wellbore #1 - State	1,600.0	1,598.6	45.1	34.1	4.108	SF
Florence State 23-23S-34E AR #111H - Wellbore #1 - Ac	1,515.0	1,539.9	1,582.0	1,571.8	154.583	CC, ES
Florence State 23-23S-34E AR #111H - Wellbore #1 - Ac	14,100.0	14,593.0	2,701.0	2,523.9	15.256	SF
Florence State 23-23S-34E AR #121H - Wellbore #1 - Ac	0.0	15.5	1,596.8			
Florence State 23-23S-34E AR #121H - Wellbore #1 - Ac	900.0	907.0	1,600.3	1,594.4	273.759	ES
Florence State 23-23S-34E AR #121H - Wellbore #1 - Ac	14,200.0	15,136.0	2,891.4	2,719.5	16.819	SF
Florence State 23-23S-34E AR #202H - Wellbore #1 - W	432.5	435.5	211.1	208.6	84.448	CC
Florence State 23-23S-34E AR #202H - Wellbore #1 - W	900.0	902.0	213.3	207.5	36.839	ES
Florence State 23-23S-34E AR #202H - Wellbore #1 - W	8,850.0	8,728.0	1,264.3	1,202.5	20.471	SF
Florence State Com #113H - Wellbore #1 - Actual	8,566.9	8,488.7	629.8	569.8	10.492	CC
Florence State Com #113H - Wellbore #1 - Actual	8,600.0	8,520.0	629.9	569.7	10.458	ES
Florence State Com #113H - Wellbore #1 - Actual	19,127.0	19,922.3	1,091.5	858.7	4.688	SF
Florence State Com #114H - Wellbore #1 - Actual	7,076.7	6,760.2	1,903.5	1,853.6	38.157	CC
Florence State Com #114H - Wellbore #1 - Actual	18,500.0	19,256.0	2,116.9	1,817.1	7.061	ES
Florence State Com #114H - Wellbore #1 - Actual	18,700.0	19,256.0	2,127.0	1,823.3	7.003	SF
Florence State Com #123H - Wellbore #1 - Actual	8,466.1	8,430.2	76.5	16.1	1.267	Level 3, CC
Florence State Com #123H - Wellbore #1 - Actual	8,500.0	8,463.8	76.7	16.0	1.263	Level 3, ES, SF
Florence State Com #124H - Wellbore #1 - Actual	8,474.9	8,395.9	1,242.1	1,182.4	20.829	CC
Florence State Com #124H - Wellbore #1 - Actual	8,650.0	8,566.3	1,242.5	1,181.8	20.462	ES
Florence State Com #124H - Wellbore #1 - Actual	19,127.0	20,346.4	1,976.9	1,712.1	7.467	SF
Florence State Com #133H - Wellbore #1 - Actual	8,657.6	8,606.2	316.5	255.2	5.160	CC, ES
Florence State Com #133H - Wellbore #1 - Actual	8,700.0	8,643.0	317.5	255.7	5.141	SF
Florence State Com #134H - Wellbore #1 - Actual	8,093.7	7,924.4	1,464.9	1,407.5	25.528	CC
Florence State Com #134H - Wellbore #1 - Actual	8,100.0	7,931.6	1,464.9	1,407.4	25.506	ES
Florence State Com #134H - Wellbore #1 - Actual	9,050.0	8,852.0	1,510.0	1,446.3	23.707	SF
Offset Wells in Antelope Ridge						
State 23 #2 - Wellbore #1 - Actual	11,975.6	8,887.2	986.9	699.2	3.430	CC, ES, SF
Try Try Again #1 - Wellbore #1 - Actual	1,192.3	1,198.8	1,586.0	1,578.0	196.914	CC
Try Try Again #1 - Wellbore #1 - Actual	1,500.0	1,503.7	1,586.4	1,576.2	155.376	ES
Try Try Again #1 - Wellbore #1 - Actual	14,100.0	15,875.0	3,502.7	3,356.7	24.002	SF

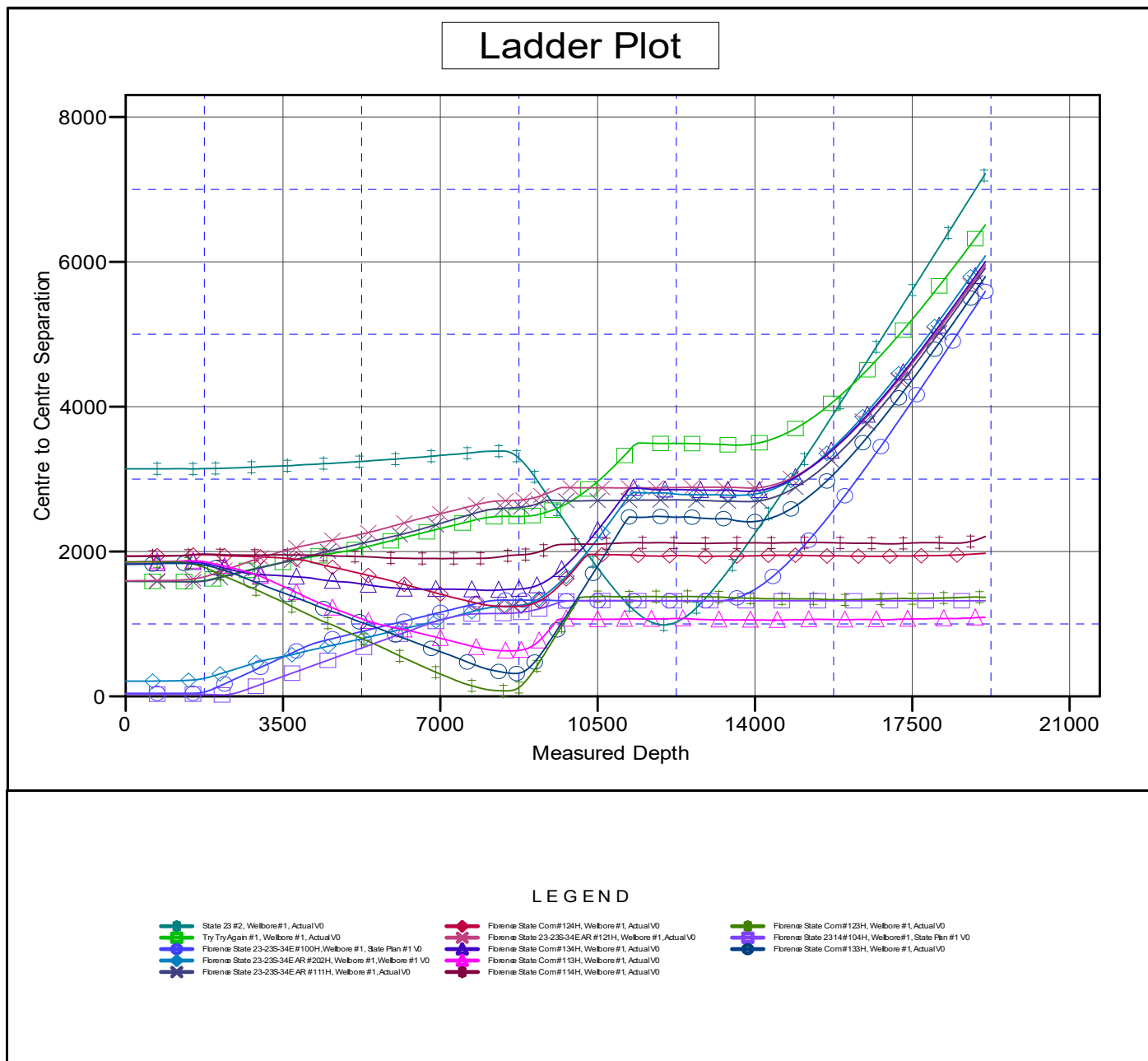
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Florence State 2314 #103H
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 2314 #103H	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 2314 #103H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.48°



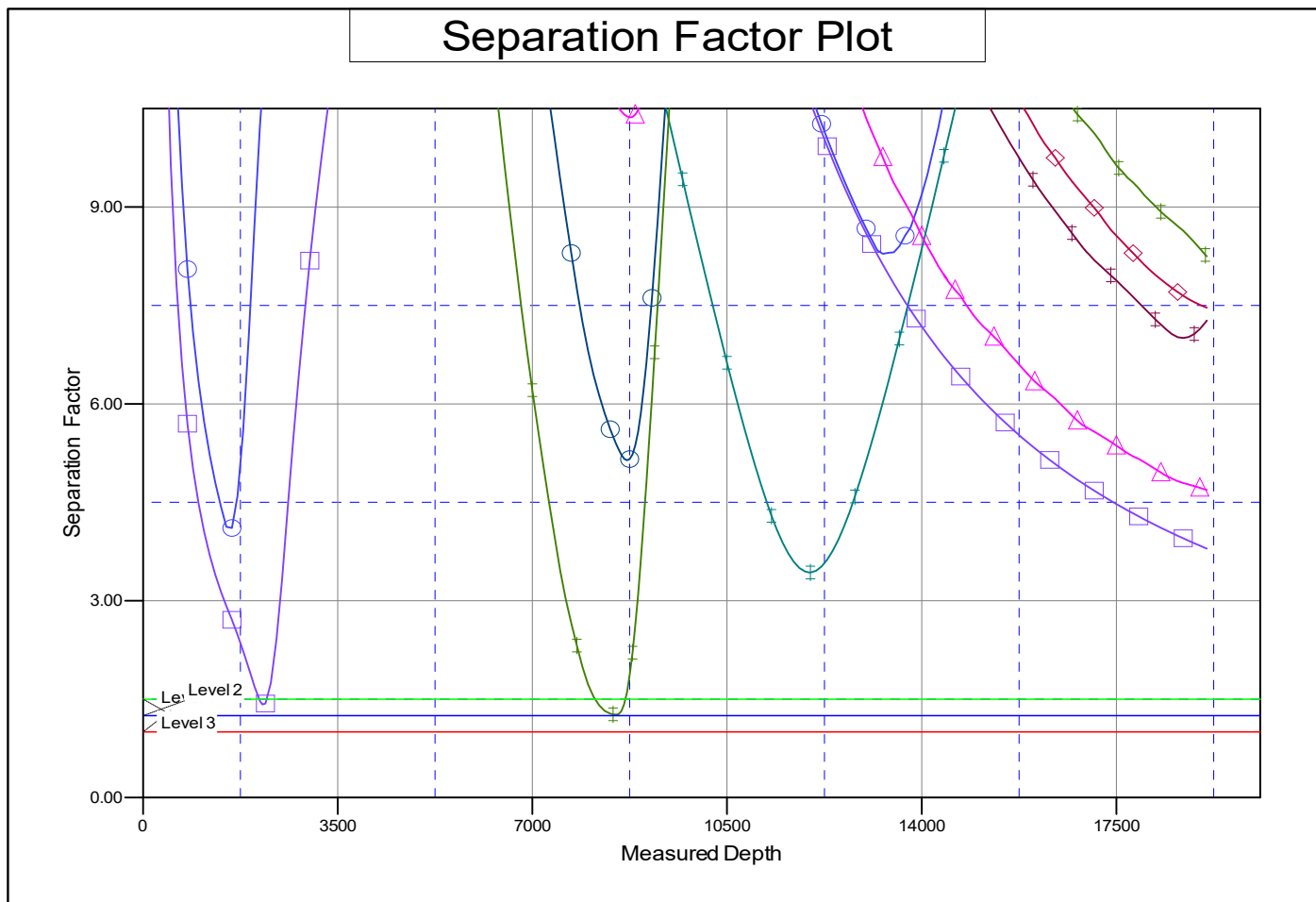
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Florence State 2314 #103H
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 2314 #103H	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 2314 #103H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.48°



LEGEND

State 23 #2, Wellbore #1, Actual V0	Florence State Com#124H, Wellbore #1, Actual V0	Florence State Com#123H, Wellbore #1, Actual V0
Try Try Again #1, Wellbore #1, Actual V0	Florence State 23-23S-34E AR #121H, Wellbore #1, Actual V0	Florence State 2314#104H, Wellbore #1, State Plan #1 V0
Florence State 23-23S-34E #100H, Wellbore #1, State Plan #1 V0	Florence State Com#134H, Wellbore #1, Actual V0	Florence State Com#113H, Wellbore #1, Actual V0
Florence State 23-23S-34E AR #202H, Wellbore #1, Wellbore #1 V0	Florence State Com#114H, Wellbore #1, Actual V0	
Florence State 23-23S-34E AR #111H, Wellbore #1, Actual V0		

Matador Production Company

Antelope Ridge

Florence

Florence State 2314 #103H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

05 December, 2025

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 2314 #103H
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 2314 #103H	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 2314 #103H					
Well Position	+N/-S	-69.1 usft	Northing:	467,870.38 usft	Latitude:	32° 16' 59.340 N
	+E/-W	-1,825.9 usft	Easting:	775,298.96 usft	Longitude:	103° 26' 33.087 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	47,210.86137187

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	12/5/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	19,126.6 State Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,940.8	8.82	95.71	1,939.1	-3.4	33.7	2.00	2.00	0.00	95.71	
7,812.7	8.82	95.71	7,741.6	-92.9	929.1	0.00	0.00	0.00	0.00	
8,400.4	0.00	0.00	8,327.0	-97.4	974.0	1.50	-1.50	0.00	180.00	KOP - Florence Sta
9,300.4	90.00	1.50	8,900.0	475.4	989.0	10.00	10.00	0.00	1.50	
9,397.5	90.00	359.56	8,900.0	572.4	989.9	2.00	0.00	-2.00	-90.01	
19,127.0	90.00	359.56	8,900.0	10,301.6	915.0	0.00	0.00	0.00	0.00	BHL - Florence Sta

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 2314 #103H
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 2314 #103H	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	95.71	1,600.0	-0.2	1.7	-0.2	2.00	2.00	0.00
1,700.0	4.00	95.71	1,699.8	-0.7	6.9	-0.7	2.00	2.00	0.00
1,800.0	6.00	95.71	1,799.5	-1.6	15.6	-1.7	2.00	2.00	0.00
1,900.0	8.00	95.71	1,898.7	-2.8	27.7	-3.0	2.00	2.00	0.00
1,940.8	8.82	95.71	1,939.1	-3.4	33.7	-3.6	2.00	2.00	0.00
Start 5871.9 hold at 1940.8 MD									
2,000.0	8.82	95.71	1,997.6	-4.3	42.7	-4.6	0.00	0.00	0.00
2,100.0	8.82	95.71	2,096.4	-5.8	58.0	-6.2	0.00	0.00	0.00
2,200.0	8.82	95.71	2,195.2	-7.3	73.2	-7.9	0.00	0.00	0.00
2,300.0	8.82	95.71	2,294.0	-8.8	88.5	-9.5	0.00	0.00	0.00
2,400.0	8.82	95.71	2,392.8	-10.4	103.7	-11.2	0.00	0.00	0.00
2,500.0	8.82	95.71	2,491.7	-11.9	119.0	-12.8	0.00	0.00	0.00
2,600.0	8.82	95.71	2,590.5	-13.4	134.2	-14.4	0.00	0.00	0.00
2,700.0	8.82	95.71	2,689.3	-14.9	149.5	-16.1	0.00	0.00	0.00
2,800.0	8.82	95.71	2,788.1	-16.5	164.7	-17.7	0.00	0.00	0.00
2,900.0	8.82	95.71	2,886.9	-18.0	180.0	-19.4	0.00	0.00	0.00
3,000.0	8.82	95.71	2,985.7	-19.5	195.2	-21.0	0.00	0.00	0.00
3,100.0	8.82	95.71	3,084.6	-21.0	210.5	-22.7	0.00	0.00	0.00
3,200.0	8.82	95.71	3,183.4	-22.6	225.7	-24.3	0.00	0.00	0.00
3,300.0	8.82	95.71	3,282.2	-24.1	241.0	-25.9	0.00	0.00	0.00
3,400.0	8.82	95.71	3,381.0	-25.6	256.2	-27.6	0.00	0.00	0.00
3,500.0	8.82	95.71	3,479.8	-27.1	271.5	-29.2	0.00	0.00	0.00
3,600.0	8.82	95.71	3,578.7	-28.7	286.7	-30.9	0.00	0.00	0.00
3,700.0	8.82	95.71	3,677.5	-30.2	302.0	-32.5	0.00	0.00	0.00
3,800.0	8.82	95.71	3,776.3	-31.7	317.2	-34.1	0.00	0.00	0.00
3,900.0	8.82	95.71	3,875.1	-33.2	332.5	-35.8	0.00	0.00	0.00
4,000.0	8.82	95.71	3,973.9	-34.8	347.7	-37.4	0.00	0.00	0.00
4,100.0	8.82	95.71	4,072.8	-36.3	363.0	-39.1	0.00	0.00	0.00
4,200.0	8.82	95.71	4,171.6	-37.8	378.2	-40.7	0.00	0.00	0.00
4,300.0	8.82	95.71	4,270.4	-39.3	393.5	-42.4	0.00	0.00	0.00
4,400.0	8.82	95.71	4,369.2	-40.9	408.7	-44.0	0.00	0.00	0.00
4,500.0	8.82	95.71	4,468.0	-42.4	424.0	-45.6	0.00	0.00	0.00
4,600.0	8.82	95.71	4,566.8	-43.9	439.2	-47.3	0.00	0.00	0.00
4,700.0	8.82	95.71	4,665.7	-45.4	454.5	-48.9	0.00	0.00	0.00
4,800.0	8.82	95.71	4,764.5	-47.0	469.7	-50.6	0.00	0.00	0.00
4,900.0	8.82	95.71	4,863.3	-48.5	485.0	-52.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 2314 #103H
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 2314 #103H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,000.0	8.82	95.71	4,962.1	-50.0	500.2	-53.8	0.00	0.00	0.00	
5,100.0	8.82	95.71	5,060.9	-51.5	515.5	-55.5	0.00	0.00	0.00	
5,200.0	8.82	95.71	5,159.8	-53.1	530.7	-57.1	0.00	0.00	0.00	
5,300.0	8.82	95.71	5,258.6	-54.6	546.0	-58.8	0.00	0.00	0.00	
5,400.0	8.82	95.71	5,357.4	-56.1	561.2	-60.4	0.00	0.00	0.00	
5,500.0	8.82	95.71	5,456.2	-57.6	576.5	-62.1	0.00	0.00	0.00	
5,600.0	8.82	95.71	5,555.0	-59.2	591.7	-63.7	0.00	0.00	0.00	
5,700.0	8.82	95.71	5,653.9	-60.7	607.0	-65.3	0.00	0.00	0.00	
5,800.0	8.82	95.71	5,752.7	-62.2	622.2	-67.0	0.00	0.00	0.00	
5,900.0	8.82	95.71	5,851.5	-63.7	637.5	-68.6	0.00	0.00	0.00	
6,000.0	8.82	95.71	5,950.3	-65.3	652.7	-70.3	0.00	0.00	0.00	
6,100.0	8.82	95.71	6,049.1	-66.8	668.0	-71.9	0.00	0.00	0.00	
6,200.0	8.82	95.71	6,147.9	-68.3	683.2	-73.5	0.00	0.00	0.00	
6,300.0	8.82	95.71	6,246.8	-69.8	698.5	-75.2	0.00	0.00	0.00	
6,400.0	8.82	95.71	6,345.6	-71.4	713.7	-76.8	0.00	0.00	0.00	
6,500.0	8.82	95.71	6,444.4	-72.9	729.0	-78.5	0.00	0.00	0.00	
6,600.0	8.82	95.71	6,543.2	-74.4	744.2	-80.1	0.00	0.00	0.00	
6,700.0	8.82	95.71	6,642.0	-75.9	759.5	-81.8	0.00	0.00	0.00	
6,800.0	8.82	95.71	6,740.9	-77.4	774.7	-83.4	0.00	0.00	0.00	
6,900.0	8.82	95.71	6,839.7	-79.0	790.0	-85.0	0.00	0.00	0.00	
7,000.0	8.82	95.71	6,938.5	-80.5	805.2	-86.7	0.00	0.00	0.00	
7,100.0	8.82	95.71	7,037.3	-82.0	820.5	-88.3	0.00	0.00	0.00	
7,200.0	8.82	95.71	7,136.1	-83.5	835.7	-90.0	0.00	0.00	0.00	
7,300.0	8.82	95.71	7,234.9	-85.1	851.0	-91.6	0.00	0.00	0.00	
7,400.0	8.82	95.71	7,333.8	-86.6	866.2	-93.2	0.00	0.00	0.00	
7,500.0	8.82	95.71	7,432.6	-88.1	881.5	-94.9	0.00	0.00	0.00	
7,600.0	8.82	95.71	7,531.4	-89.6	896.7	-96.5	0.00	0.00	0.00	
7,700.0	8.82	95.71	7,630.2	-91.2	912.0	-98.2	0.00	0.00	0.00	
7,800.0	8.82	95.71	7,729.0	-92.7	927.2	-99.8	0.00	0.00	0.00	
7,812.7	8.82	95.71	7,741.6	-92.9	929.1	-100.0	0.00	0.00	0.00	
Start Drop -1.50										
7,900.0	7.51	95.71	7,828.0	-94.1	941.5	-101.3	1.50	-1.50	0.00	
8,000.0	6.01	95.71	7,927.3	-95.3	953.2	-102.6	1.50	-1.50	0.00	
8,100.0	4.51	95.71	8,026.9	-96.2	962.3	-103.6	1.50	-1.50	0.00	
8,200.0	3.01	95.71	8,126.7	-96.9	968.8	-104.3	1.50	-1.50	0.00	
8,300.0	1.51	95.71	8,226.6	-97.2	972.7	-104.7	1.50	-1.50	0.00	
8,400.0	0.01	95.71	8,326.6	-97.4	974.0	-104.9	1.50	-1.50	0.00	
8,400.4	0.00	0.00	8,327.0	-97.4	974.0	-104.9	1.50	-1.50	0.00	
Start Build 10.00 - KOP - Florence State #103H										
8,500.0	9.96	1.50	8,426.1	-88.8	974.3	-96.2	10.00	10.00	0.00	
8,600.0	19.96	1.50	8,522.6	-63.0	974.9	-70.5	10.00	10.00	0.00	
8,642.5	24.21	1.50	8,562.0	-47.0	975.4	-54.5	10.00	10.00	0.00	
FTP - Florence State #103H										
8,700.0	29.96	1.50	8,613.1	-20.9	976.0	-28.3	10.00	10.00	0.00	
8,800.0	39.96	1.50	8,695.0	36.4	977.5	28.8	10.00	10.00	0.00	
8,900.0	49.96	1.50	8,765.6	106.9	979.4	99.4	10.00	10.00	0.00	
9,000.0	59.96	1.50	8,823.0	188.6	981.5	181.1	10.00	10.00	0.00	
9,100.0	69.96	1.50	8,865.3	279.1	983.9	271.5	10.00	10.00	0.00	
9,200.0	79.96	1.50	8,891.2	375.5	986.4	367.9	10.00	10.00	0.00	
9,300.0	89.96	1.50	8,900.0	475.0	989.0	467.4	10.00	10.00	0.00	
9,300.4	90.00	1.50	8,900.0	475.4	989.0	467.8	10.00	10.00	0.00	
Start DLS 2.00 TFO -90.01										
9,397.5	90.00	359.56	8,900.0	572.4	989.9	564.8	2.00	0.00	-2.00	
Start 9729.5 hold at 9397.5 MD										

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 2314 #103H
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 2314 #103H	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)
9,400.0	90.00	359.56	8,900.0	575.0	989.9	567.3	0.00	0.00	0.00
9,500.0	90.00	359.56	8,900.0	674.9	989.1	667.3	0.00	0.00	0.00
9,600.0	90.00	359.56	8,900.0	774.9	988.4	767.3	0.00	0.00	0.00
9,700.0	90.00	359.56	8,900.0	874.9	987.6	867.3	0.00	0.00	0.00
9,800.0	90.00	359.56	8,900.0	974.9	986.8	967.3	0.00	0.00	0.00
9,900.0	90.00	359.56	8,900.0	1,074.9	986.1	1,067.3	0.00	0.00	0.00
10,000.0	90.00	359.56	8,900.0	1,174.9	985.3	1,167.3	0.00	0.00	0.00
10,100.0	90.00	359.56	8,900.0	1,274.9	984.5	1,267.3	0.00	0.00	0.00
10,200.0	90.00	359.56	8,900.0	1,374.9	983.8	1,367.3	0.00	0.00	0.00
10,300.0	90.00	359.56	8,900.0	1,474.9	983.0	1,467.3	0.00	0.00	0.00
10,400.0	90.00	359.56	8,900.0	1,574.9	982.2	1,567.3	0.00	0.00	0.00
10,500.0	90.00	359.56	8,900.0	1,674.9	981.4	1,667.3	0.00	0.00	0.00
10,600.0	90.00	359.56	8,900.0	1,774.9	980.7	1,767.3	0.00	0.00	0.00
10,700.0	90.00	359.56	8,900.0	1,874.9	979.9	1,867.3	0.00	0.00	0.00
10,800.0	90.00	359.56	8,900.0	1,974.9	979.1	1,967.3	0.00	0.00	0.00
10,900.0	90.00	359.56	8,900.0	2,074.9	978.4	2,067.3	0.00	0.00	0.00
11,000.0	90.00	359.56	8,900.0	2,174.9	977.6	2,167.3	0.00	0.00	0.00
11,100.0	90.00	359.56	8,900.0	2,274.9	976.8	2,267.3	0.00	0.00	0.00
11,200.0	90.00	359.56	8,900.0	2,374.9	976.1	2,367.3	0.00	0.00	0.00
11,300.0	90.00	359.56	8,900.0	2,474.9	975.3	2,467.3	0.00	0.00	0.00
11,400.0	90.00	359.56	8,900.0	2,574.9	974.5	2,567.3	0.00	0.00	0.00
11,500.0	90.00	359.56	8,900.0	2,674.9	973.8	2,667.3	0.00	0.00	0.00
11,600.0	90.00	359.56	8,900.0	2,774.9	973.0	2,767.3	0.00	0.00	0.00
11,700.0	90.00	359.56	8,900.0	2,874.9	972.2	2,867.3	0.00	0.00	0.00
11,800.0	90.00	359.56	8,900.0	2,974.9	971.4	2,967.3	0.00	0.00	0.00
11,900.0	90.00	359.56	8,900.0	3,074.9	970.7	3,067.3	0.00	0.00	0.00
12,000.0	90.00	359.56	8,900.0	3,174.9	969.9	3,167.3	0.00	0.00	0.00
12,100.0	90.00	359.56	8,900.0	3,274.9	969.1	3,267.3	0.00	0.00	0.00
12,200.0	90.00	359.56	8,900.0	3,374.9	968.4	3,367.3	0.00	0.00	0.00
12,300.0	90.00	359.56	8,900.0	3,474.9	967.6	3,467.3	0.00	0.00	0.00
12,400.0	90.00	359.56	8,900.0	3,574.9	966.8	3,567.3	0.00	0.00	0.00
12,500.0	90.00	359.56	8,900.0	3,674.9	966.1	3,667.3	0.00	0.00	0.00
12,600.0	90.00	359.56	8,900.0	3,774.9	965.3	3,767.3	0.00	0.00	0.00
12,700.0	90.00	359.56	8,900.0	3,874.9	964.5	3,867.3	0.00	0.00	0.00
12,800.0	90.00	359.56	8,900.0	3,974.8	963.7	3,967.3	0.00	0.00	0.00
12,900.0	90.00	359.56	8,900.0	4,074.8	963.0	4,067.3	0.00	0.00	0.00
13,000.0	90.00	359.56	8,900.0	4,174.8	962.2	4,167.3	0.00	0.00	0.00
13,100.0	90.00	359.56	8,900.0	4,274.8	961.4	4,267.3	0.00	0.00	0.00
13,200.0	90.00	359.56	8,900.0	4,374.8	960.7	4,367.3	0.00	0.00	0.00
13,300.0	90.00	359.56	8,900.0	4,474.8	959.9	4,467.3	0.00	0.00	0.00
13,400.0	90.00	359.56	8,900.0	4,574.8	959.1	4,567.3	0.00	0.00	0.00
13,500.0	90.00	359.56	8,900.0	4,674.8	958.4	4,667.3	0.00	0.00	0.00
13,600.0	90.00	359.56	8,900.0	4,774.8	957.6	4,767.3	0.00	0.00	0.00
13,700.0	90.00	359.56	8,900.0	4,874.8	956.8	4,867.3	0.00	0.00	0.00
13,800.0	90.00	359.56	8,900.0	4,974.8	956.0	4,967.3	0.00	0.00	0.00
13,900.0	90.00	359.56	8,900.0	5,074.8	955.3	5,067.3	0.00	0.00	0.00
14,000.0	90.00	359.56	8,900.0	5,174.8	954.5	5,167.3	0.00	0.00	0.00
14,100.0	90.00	359.56	8,900.0	5,274.8	953.7	5,267.3	0.00	0.00	0.00
14,200.0	90.00	359.56	8,900.0	5,374.8	953.0	5,367.3	0.00	0.00	0.00
14,300.0	90.00	359.56	8,900.0	5,474.8	952.2	5,467.3	0.00	0.00	0.00
14,400.0	90.00	359.56	8,900.0	5,574.8	951.4	5,567.3	0.00	0.00	0.00
14,500.0	90.00	359.56	8,900.0	5,674.8	950.7	5,667.3	0.00	0.00	0.00
14,600.0	90.00	359.56	8,900.0	5,774.8	949.9	5,767.3	0.00	0.00	0.00
14,700.0	90.00	359.56	8,900.0	5,874.8	949.1	5,867.3	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 2314 #103H
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 2314 #103H	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)	
14,800.0	90.00	359.56	8,900.0	5,974.8	948.3	5,967.3	0.00	0.00	0.00	
14,900.0	90.00	359.56	8,900.0	6,074.8	947.6	6,067.3	0.00	0.00	0.00	
15,000.0	90.00	359.56	8,900.0	6,174.8	946.8	6,167.3	0.00	0.00	0.00	
15,100.0	90.00	359.56	8,900.0	6,274.8	946.0	6,267.3	0.00	0.00	0.00	
15,200.0	90.00	359.56	8,900.0	6,374.8	945.3	6,367.3	0.00	0.00	0.00	
15,300.0	90.00	359.56	8,900.0	6,474.8	944.5	6,467.3	0.00	0.00	0.00	
15,400.0	90.00	359.56	8,900.0	6,574.8	943.7	6,567.3	0.00	0.00	0.00	
15,500.0	90.00	359.56	8,900.0	6,674.8	943.0	6,667.3	0.00	0.00	0.00	
15,600.0	90.00	359.56	8,900.0	6,774.8	942.2	6,767.3	0.00	0.00	0.00	
15,700.0	90.00	359.56	8,900.0	6,874.8	941.4	6,867.3	0.00	0.00	0.00	
15,800.0	90.00	359.56	8,900.0	6,974.8	940.6	6,967.3	0.00	0.00	0.00	
15,900.0	90.00	359.56	8,900.0	7,074.8	939.9	7,067.3	0.00	0.00	0.00	
16,000.0	90.00	359.56	8,900.0	7,174.8	939.1	7,167.3	0.00	0.00	0.00	
16,100.0	90.00	359.56	8,900.0	7,274.8	938.3	7,267.3	0.00	0.00	0.00	
16,200.0	90.00	359.56	8,900.0	7,374.7	937.6	7,367.3	0.00	0.00	0.00	
16,300.0	90.00	359.56	8,900.0	7,474.7	936.8	7,467.3	0.00	0.00	0.00	
16,400.0	90.00	359.56	8,900.0	7,574.7	936.0	7,567.3	0.00	0.00	0.00	
16,500.0	90.00	359.56	8,900.0	7,674.7	935.3	7,667.3	0.00	0.00	0.00	
16,600.0	90.00	359.56	8,900.0	7,774.7	934.5	7,767.3	0.00	0.00	0.00	
16,700.0	90.00	359.56	8,900.0	7,874.7	933.7	7,867.3	0.00	0.00	0.00	
16,800.0	90.00	359.56	8,900.0	7,974.7	933.0	7,967.3	0.00	0.00	0.00	
16,900.0	90.00	359.56	8,900.0	8,074.7	932.2	8,067.3	0.00	0.00	0.00	
17,000.0	90.00	359.56	8,900.0	8,174.7	931.4	8,167.3	0.00	0.00	0.00	
17,100.0	90.00	359.56	8,900.0	8,274.7	930.6	8,267.3	0.00	0.00	0.00	
17,200.0	90.00	359.56	8,900.0	8,374.7	929.9	8,367.3	0.00	0.00	0.00	
17,300.0	90.00	359.56	8,900.0	8,474.7	929.1	8,467.3	0.00	0.00	0.00	
17,400.0	90.00	359.56	8,900.0	8,574.7	928.3	8,567.3	0.00	0.00	0.00	
17,500.0	90.00	359.56	8,900.0	8,674.7	927.6	8,667.3	0.00	0.00	0.00	
17,600.0	90.00	359.56	8,900.0	8,774.7	926.8	8,767.3	0.00	0.00	0.00	
17,700.0	90.00	359.56	8,900.0	8,874.7	926.0	8,867.3	0.00	0.00	0.00	
17,800.0	90.00	359.56	8,900.0	8,974.7	925.3	8,967.3	0.00	0.00	0.00	
17,900.0	90.00	359.56	8,900.0	9,074.7	924.5	9,067.3	0.00	0.00	0.00	
18,000.0	90.00	359.56	8,900.0	9,174.7	923.7	9,167.3	0.00	0.00	0.00	
18,100.0	90.00	359.56	8,900.0	9,274.7	922.9	9,267.3	0.00	0.00	0.00	
18,200.0	90.00	359.56	8,900.0	9,374.7	922.2	9,367.3	0.00	0.00	0.00	
18,300.0	90.00	359.56	8,900.0	9,474.7	921.4	9,467.3	0.00	0.00	0.00	
18,400.0	90.00	359.56	8,900.0	9,574.7	920.6	9,567.3	0.00	0.00	0.00	
18,500.0	90.00	359.56	8,900.0	9,674.7	919.9	9,667.3	0.00	0.00	0.00	
18,600.0	90.00	359.56	8,900.0	9,774.7	919.1	9,767.3	0.00	0.00	0.00	
18,700.0	90.00	359.56	8,900.0	9,874.7	918.3	9,867.3	0.00	0.00	0.00	
18,800.0	90.00	359.56	8,900.0	9,974.7	917.6	9,967.3	0.00	0.00	0.00	
18,900.0	90.00	359.56	8,900.0	10,074.7	916.8	10,067.3	0.00	0.00	0.00	
19,000.0	90.00	359.56	8,900.0	10,174.7	916.0	10,167.3	0.00	0.00	0.00	
19,100.0	90.00	359.56	8,900.0	10,274.7	915.2	10,267.3	0.00	0.00	0.00	
19,127.0	90.00	359.56	8,900.0	10,301.6	915.0	10,294.3	0.00	0.00	0.00	
TD at 19127.0 - BHL - Florence State #103H										

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Florence State 2314 #103H
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 2314 #103H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
KOP - Florence State - plan hits target center - Point	0.00	0.00	8,327.0	-97.4	974.0	467,773.00	776,273.00	32° 16' 58.296 N	103° 26' 21.751 W
FTP - Florence State ; - plan hits target center - Point	0.00	0.00	8,562.0	-47.0	975.4	467,823.38	776,274.32	32° 16' 58.795 N	103° 26' 21.731 W
BHL - Florence State : - plan hits target center - Point	0.00	0.00	8,900.0	10,301.6	915.0	478,172.00	776,214.00	32° 18' 41.200 N	103° 26' 21.428 W

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.0	1,500.0	0.0	0.0	Start Build 2.00
1,940.8	1,939.1	-3.4	33.7	Start 5871.9 hold at 1940.8 MD
7,812.7	7,741.6	-92.9	929.1	Start Drop -1.50
8,400.4	8,327.0	-97.4	974.0	Start Build 10.00
9,300.4	8,900.0	475.4	989.0	Start DLS 2.00 TFO -90.01
9,397.5	8,900.0	572.4	989.9	Start 9729.5 hold at 9397.5 MD
19,127.0	8,900.0	10,301.6	915.0	TD at 19127.0