

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 405263

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 325647		3. API Number 30-015-57676
5. Property Name TONY LA RUSSA STATE COM		6. Well No. 111H

7. Surface Location

UL - Lot D	Section 3	Township 24S	Range 27E	Lot Idn 4	Feet From 225	N/S Line N	Feet From 1161	E/W Line W	County Eddy
---------------	--------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	----------------

8. Proposed Bottom Hole Location

UL - Lot M	Section 10	Township 24S	Range 27E	Lot Idn M	Feet From 110	N/S Line S	Feet From 330	E/W Line W	County Eddy
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	------------------	---------------	----------------

9. Pool Information

WILDCAT G-02 S2427030;BONE SPRING	97837
-----------------------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3180
16. Multiple N	17. Proposed Depth 17247	18. Formation Bone Spring	19. Contractor	20. Spud Date 1/12/2026
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	400	225	0
Int1	9.875	7.625	29.7	6279	1048	0
Prod	6.75	5.5	20	17247	634	6079

Casing/Cement Program: Additional Comments

--

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 type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.	OIL CONSERVATION DIVISION	
Signature:	Approved By: Jeffrey Harrison	Title: Petroleum Specialist III
Printed Name: Electronically filed by Brett A Jennings	Approved Date: 1/14/2026	Expiration Date: 1/14/2028
Title: Regulatory Analyst	Conditions of Approval Attached	
Email Address: brett.jennings@matadorresources.com		
Date: 12/18/2025	Phone: 972-629-2160	

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-57676	Pool Code 97837	Pool Name WILDCAT G-02 S2427030;BONE SPRING
Property Code 325647	Property Name TONY LA RUSSA STATE COM	Well Number 111H
OGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 3180'
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
4	3	24 S	27E	-	225' N	1161' W	N 32.2533649	W 104.1830154	EDDY

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	10	24 S	27E	-	110' S	330' W	N 32.2248532	W 104.1860646	EDDY

Dedicated Acres 320.43	Infill or Defining Well INFILL	Defining Well API PENDING	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
4	3	24 S	27E	-	50' N	330' W	N 32.2538299	W 104.1856966	EDDY

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
4	3	24 S	27E	-	100' N	330' W	N 32.2536924	W 104.1856990	EDDY

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	10	24 S	27E	-	110' S	330' W	N 32.2248532	W 104.1860646	EDDY

Unitized Area or Area of Uniform Interest UOP @ O	Spacing Unity Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation HF €
--	--	--------------------------------

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.

Hanna Rhoades 12/15/2025
 Signature Date

Hanna Rhoades

Print Name
 E-mail Address
 hanna.rhoades@matadorresources.com

SURVEYORS CERTIFICATION

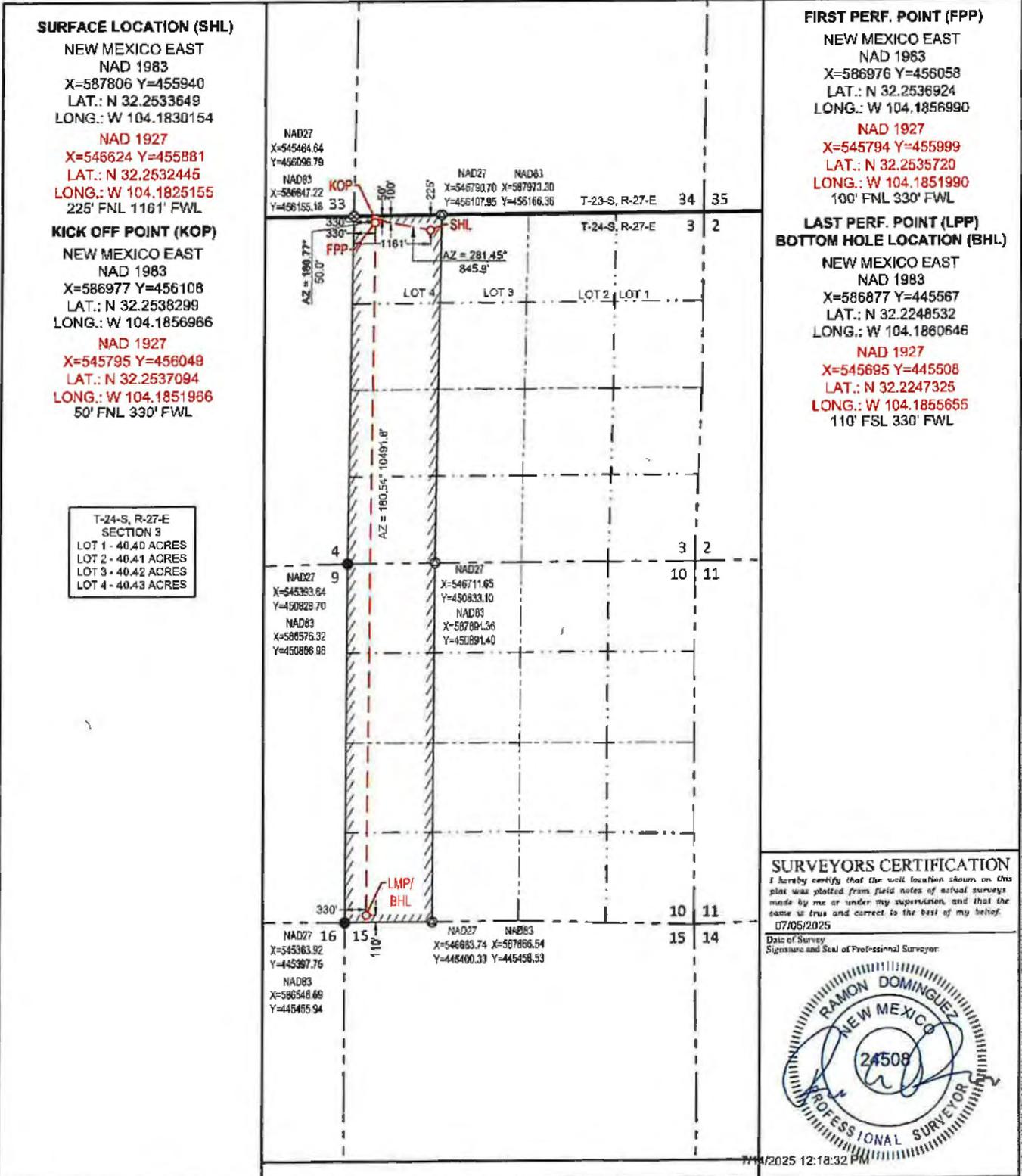
I hereby certify that the well location shown on this plat and field notes of actual surveys made by me or under my supervision and that my name is true and correct to the best of my belief.



Ramon Dominguez 7/14/2025 12:18:31 PM
 Signature and Seal of Professional Surveyor Date

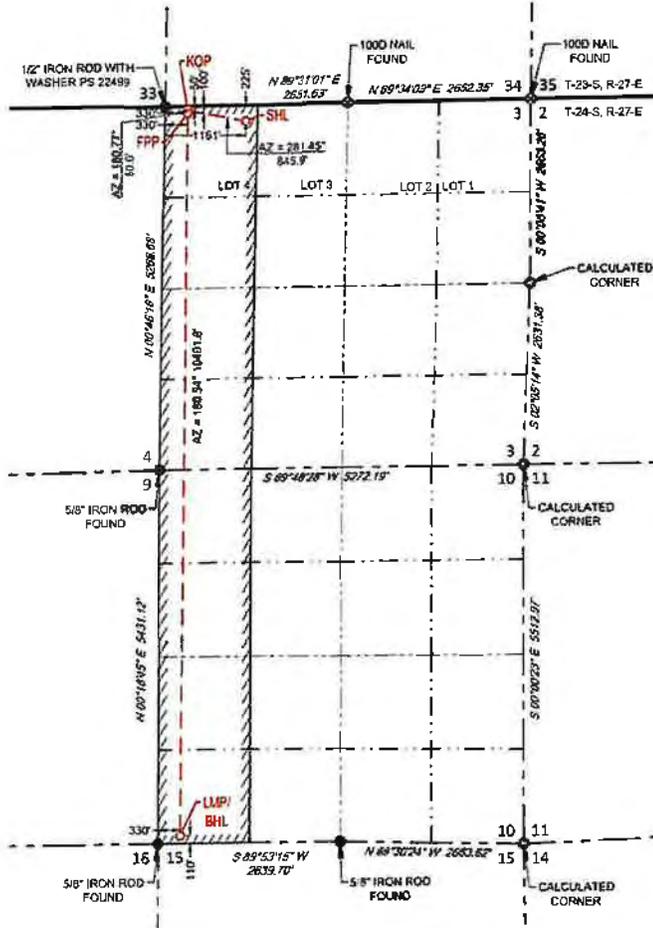
Certificate Number Date of Survey
 24508 07/05/2025

<p>C-102</p> <p>Submit Electronically Via OCD Permitting</p>	<p>State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION</p>	<p>Revised July 9, 2024</p>
		<p>Submittal Type:</p> <p><input checked="" type="checkbox"/> Initial Submittal</p> <p><input type="checkbox"/> Amended Report</p> <p><input type="checkbox"/> As Drilled</p>
<p>Property Name and Well Number</p> <p style="text-align: center;">TONY LA RUSSA STATE COM 111H</p>		





SECTION 3, TOWNSHIP 24, RANGE 27, N.M.P.M.
EDDY COUNTY, NEW MEXICO



SURFACE LOCATION (SHL)

NEW MEXICO EAST
NAD 1983
X=587806 Y=455940
LAT.: N 32.2533648
LONG.: W 104.1830154
225' FNL 1161' FWL

KICK OFF POINT (KOP)

NEW MEXICO EAST
NAD 1983
X=586877 Y=456108
LAT.: N 32.2538299
LONG.: W 104.1856966
50' FNL 330' FWL

FIRST PERF. POINT (FPP)

NEW MEXICO EAST
NAD 1983
X=586878 Y=456058
LAT.: N 32.2536924
LONG.: W 104.1856990
100' FNL 330' FWL

LAST PERF. POINT (LPP)

BOTTOM HOLE LOCATION (BHL)

NEW MEXICO EAST
NAD 1983
X=586877 Y=445567
LAT.: N 32.2248532
LONG.: W 104.1860646
110' FSL 330' FWL

T-24-S, R-27-E
SECTION 3
LOT 1 - 40.40 ACRES
LOT 2 - 40.41 ACRES
LOT 3 - 40.42 ACRES
LOT 4 - 40.43 ACRES



LEASE NAME & WELL NO.: TONY LA RUSSA STATE COM 111H

SECTION 3 TWP 24 RGE 27 SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 225' FNL & 1161' FWL

DISTANCE & DIRECTION
FROM INT. OF NM-285 AND W CEDAR ST. GO SOUTH ON NM-285 ±1.0 MILE, THENCE SOUTHWEST (RIGHT) ON HIGBY HOLE RD. ±0.4 MILES, THENCE WEST (RIGHT) ON BOUNDS RD. ±5.0 MILES, THENCE SOUTH (LEFT) ON A PROPOSED RD. ±4097 FEET TO A POINT ±347 FEET SOUTHEAST OF THE LOCATION.

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



7/14/2025 12:18:33 PM

Ramon A. Dominguez, P.S. No. 24508

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSOTT ROAD, Box 210 - DENVER, TEXAS 75126
TELEPHONE: (407) 842-1653 OR (800) 767-1653 - FAX: (432) 882-1744
2903 NORTH SMO SPRING - MIDLAND, TEXAS 79705
TELEPHONE: (432) 842-1653 OR (800) 767-1653 - FAX: (432) 882-1743
WWW.TOPOGRAPHIC.COM

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 APD Conditions

Permit 405263

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-015-57676
	Well: TONY LA RUSSA STATE COM #111H

OCD Reviewer	Condition
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.
jeffrey.harrison	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.

Well Name: Tony La Russa State Com #111H

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	400	0	255	0	Option to drill surface hole with surface setting rig Option to cement surface casing offline
INT 1	Diesel Brine Emulsion	9.875	7.625	P-110	29.70	6279	0	1048	0	Option to run DV tool and Packer.
PROD	OBM	6.75	5.5	P-110	20	17247	0	634	6079	

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

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:** 12/08/2025

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
Tony La Russa 111H	TBD	4 3-24S-27E	225' FNL 1161' FWL	900	1300	1500
Tony La Russa 112H	TBD	4 3-24S-27E	255' FNL 1162' FWL	900	1300	1500
Tony La Russa 131H	TBD	4 3-24S-27E	225' FNL 1131' FWL	900	1300	1500
Tony La Russa 132H	TBD	4 3-24S-27E	255' FNL 1132' FWL	900	1300	1500
Tony La Russa 121H	TBD	4 3-24S-27E	TBD	900	1300	1500
Tony La Russa 122H	TBD	4 3-24S-27E	TBD	900	1300	1500
Tony La Russa 200J	TBD	4 3-24S-27E	TBD	800	1800	2100

IV. Central Delivery Point Name: Tony La Russa 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
Tony La Russa 111H	TBD	02/22/2026	03/22/2026	06/25/2026	08/15/2026	08/15/2026
Tony La Russa 112H	TBD	02/29/2026	03/29/2026	06/25/2026	08/15/2026	08/15/2026
Tony La Russa 131H	TBD	03/15/2026	04/15/2026	06/25/2026	08/15/2026	08/15/2026
Tony La Russa 132H	TBD	03/28/2026	04/28/2026	06/25/2026	08/15/2026	08/15/2026
Tony La Russa 121H	TBD	02/15/2026	03/15/2026	06/25/2026	08/15/2026	08/15/2026
Tony La Russa 122H	TBD	04/01/2026	05/01/2026	06/25/2026	08/15/2026	08/15/2026
Tony La Russa 200J	TBD	04/19/2026	05/19/2026	06/25/2026	08/15/2026	08/15/2026

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

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: Klint Franz
Title: Senior Facilities Engineer
E-mail Address: klint.franz@matadorresources.com
Date: 12/8/2025
Phone: (972) 371-5200
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

Addendum to Natural Gas Management Plan for Matador's

Tony La Russa State Com 111H, 112H, 131H, 132H, 121H, 122H, and 200J

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
Tony La Russa 111H	900	1300	1500
Tony La Russa 112H	900	1300	1500
Tony La Russa 131H	900	1300	1500
Tony La Russa 132H	900	1300	1500
Tony La Russa 121H	900	1300	1500
Tony La Russa 122H	900	1300	1500
Tony La Russa 200J	800	1800	2100

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.

VIII. 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

Matador Production Company

Rustler Breaks

Tony La Russa

Tony La Russa State Com #111H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

20 October, 2025

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Tony La Russa State Com #111H
Company:	Matador Production Company	TVD Reference:	KB @ 3208.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3208.5usft
Site:	Tony La Russa	North Reference:	Grid
Well:	Tony La Russa State Com #111H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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

Site	Tony La Russa				
Site Position:		Northing:	455,882.75 usft	Latitude:	32° 15' 11.693 N
From:	Lat/Long	Easting:	546,763.13 usft	Longitude:	104° 10' 55.433 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.08 °

Well	Tony La Russa State Com #111H					
Well Position	+N/-S	-1.5 usft	Northing:	455,881.25 usft	Latitude:	32° 15' 11.680 N
	+E/-W	-139.3 usft	Easting:	546,623.80 usft	Longitude:	104° 10' 57.056 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,180.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2024	6.42	59.90	47,120.83782854

Design	State Plan #1				
Audit Notes:					
Version:	1	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	180.54

Plan Survey Tool Program	Date	10/10/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	17,247.5	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	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,050.0	15.00	270.00	3,041.5	0.0	-97.6	2.00	2.00	0.00	270.00	
3,242.9	14.93	283.36	3,227.9	5.7	-146.8	1.79	-0.04	6.93	97.58	
5,542.9	14.93	283.36	5,450.2	142.7	-723.4	0.00	0.00	0.00	0.00	
6,379.1	0.00	0.00	6,277.0	167.8	-828.8	1.79	-1.79	0.00	180.00	KOP - Tony La Russa
7,279.1	90.00	180.54	6,850.0	-405.2	-834.2	10.00	10.00	0.00	180.54	
7,325.4	90.00	180.54	6,850.0	-451.5	-834.6	0.00	0.00	0.00	0.00	
17,247.5	90.00	180.54	6,850.0	-10,373.1	-928.6	0.00	0.00	0.00	0.00	BHL - Tony La Russa

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Tony La Russa State Com #111H
Company:	Matador Production Company	TVD Reference:	KB @ 3208.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3208.5usft
Site:	Tony La Russa	North Reference:	Grid
Well:	Tony La Russa State Com #111H	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
659.0	0.00	0.00	659.0	0.0	0.0	0.0	0.00	0.00	0.00
Depth (Castile (T))									
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,207.0	0.00	0.00	2,207.0	0.0	0.0	0.0	0.00	0.00	0.00
Depth (G30:CS14-CSB)									
2,296.0	0.00	0.00	2,296.0	0.0	0.0	0.0	0.00	0.00	0.00
Depth (G26: Bell Cyn.)									
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
2,400.0	2.00	270.00	2,400.0	0.0	-1.7	0.0	2.00	2.00	0.00
2,500.0	4.00	270.00	2,499.8	0.0	-7.0	0.1	2.00	2.00	0.00
2,600.0	6.00	270.00	2,599.5	0.0	-15.7	0.1	2.00	2.00	0.00
2,700.0	8.00	270.00	2,698.7	0.0	-27.9	0.3	2.00	2.00	0.00
2,800.0	10.00	270.00	2,797.5	0.0	-43.5	0.4	2.00	2.00	0.00
2,900.0	12.00	270.00	2,895.6	0.0	-62.6	0.6	2.00	2.00	0.00
3,000.0	14.00	270.00	2,993.1	0.0	-85.1	0.8	2.00	2.00	0.00
3,050.0	15.00	270.00	3,041.5	0.0	-97.6	0.9	2.00	2.00	0.00
Start DLS 1.79 TFO 97.58									
3,073.3	14.95	271.60	3,064.0	0.1	-103.6	0.9	1.79	-0.21	6.86
Depth (G13: Cherry Cyn.)									
3,100.0	14.91	273.44	3,089.8	0.4	-110.5	0.7	1.79	-0.16	6.90
3,200.0	14.88	280.39	3,186.4	3.5	-136.0	-2.2	1.79	-0.03	6.95
3,242.9	14.93	283.36	3,227.9	5.7	-146.8	-4.4	1.79	0.12	6.93
Start 2300.0 hold at 3242.9 MD									
3,300.0	14.93	283.36	3,283.0	9.1	-161.1	-7.6	0.00	0.00	0.00
3,400.0	14.93	283.36	3,379.7	15.1	-186.2	-13.3	0.00	0.00	0.00
3,500.0	14.93	283.36	3,476.3	21.1	-211.2	-19.1	0.00	0.00	0.00
3,600.0	14.93	283.36	3,572.9	27.0	-236.3	-24.8	0.00	0.00	0.00
3,700.0	14.93	283.36	3,669.5	33.0	-261.4	-30.5	0.00	0.00	0.00
3,800.0	14.93	283.36	3,766.2	38.9	-286.4	-36.2	0.00	0.00	0.00
3,900.0	14.93	283.36	3,862.8	44.9	-311.5	-41.9	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Tony La Russa State Com #111H
Company:	Matador Production Company	TVD Reference:	KB @ 3208.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3208.5usft
Site:	Tony La Russa	North Reference:	Grid
Well:	Tony La Russa State Com #111H	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)	
4,000.0	14.93	283.36	3,959.4	50.8	-336.6	-47.7	0.00	0.00	0.00	
4,100.0	14.93	283.36	4,056.0	56.8	-361.6	-53.4	0.00	0.00	0.00	
4,123.8	14.93	283.36	4,079.0	58.2	-367.6	-54.7	0.00	0.00	0.00	
Depth (G7: Brushy Cyn.)										
4,200.0	14.93	283.36	4,152.7	62.7	-386.7	-59.1	0.00	0.00	0.00	
4,300.0	14.93	283.36	4,249.3	68.7	-411.8	-64.8	0.00	0.00	0.00	
4,400.0	14.93	283.36	4,345.9	74.7	-436.9	-70.5	0.00	0.00	0.00	
4,500.0	14.93	283.36	4,442.5	80.6	-461.9	-76.2	0.00	0.00	0.00	
4,600.0	14.93	283.36	4,539.1	86.6	-487.0	-82.0	0.00	0.00	0.00	
4,700.0	14.93	283.36	4,635.8	92.5	-512.1	-87.7	0.00	0.00	0.00	
4,800.0	14.93	283.36	4,732.4	98.5	-537.1	-93.4	0.00	0.00	0.00	
4,900.0	14.93	283.36	4,829.0	104.4	-562.2	-99.1	0.00	0.00	0.00	
5,000.0	14.93	283.36	4,925.6	110.4	-587.3	-104.8	0.00	0.00	0.00	
5,100.0	14.93	283.36	5,022.3	116.3	-612.3	-110.6	0.00	0.00	0.00	
5,200.0	14.93	283.36	5,118.9	122.3	-637.4	-116.3	0.00	0.00	0.00	
5,300.0	14.93	283.36	5,215.5	128.2	-662.5	-122.0	0.00	0.00	0.00	
5,400.0	14.93	283.36	5,312.1	134.2	-687.6	-127.7	0.00	0.00	0.00	
5,500.0	14.93	283.36	5,408.8	140.2	-712.6	-133.4	0.00	0.00	0.00	
5,542.9	14.93	283.36	5,450.2	142.7	-723.4	-135.9	0.00	0.00	0.00	
Start Drop -1.79										
5,600.0	13.91	283.36	5,505.5	146.0	-737.2	-139.0	1.79	-1.79	0.00	
5,700.0	12.13	283.36	5,602.9	151.2	-759.1	-144.0	1.79	-1.79	0.00	
5,721.5	11.74	283.36	5,624.0	152.2	-763.5	-145.0	1.79	-1.79	0.00	
Depth (G4: BSG (CS9))										
5,800.0	10.34	283.36	5,701.0	155.7	-778.1	-148.4	1.79	-1.79	0.00	
5,900.0	8.56	283.36	5,799.7	159.5	-794.1	-152.0	1.79	-1.79	0.00	
5,928.6	8.04	283.36	5,828.0	160.5	-798.1	-152.9	1.79	-1.79	0.00	
Depth (G4.1: AVALON-SS)										
5,946.8	7.72	283.36	5,846.0	161.0	-800.5	-153.5	1.79	-1.79	0.00	
Depth (G3.3: Avalon SS (B))										
5,962.0	7.45	283.36	5,861.0	161.5	-802.4	-153.9	1.79	-1.79	0.00	
Depth (L8.2: U. Avalon Shale)										
6,000.0	6.77	283.36	5,898.8	162.6	-807.0	-155.0	1.79	-1.79	0.00	
6,021.4	6.39	283.36	5,920.0	163.1	-809.4	-155.5	1.79	-1.79	0.00	
Depth (L6.3: Avalon Carb)										
6,100.0	4.98	283.36	5,998.2	164.9	-817.0	-157.2	1.79	-1.79	0.00	
6,200.0	3.20	283.36	6,098.0	166.6	-823.9	-158.8	1.79	-1.79	0.00	
6,300.0	1.41	283.36	6,197.9	167.5	-827.8	-159.7	1.79	-1.79	0.00	
6,322.1	1.02	283.36	6,220.0	167.6	-828.3	-159.8	1.79	-1.79	0.00	
Depth (L6.2: L. Avalon Shale)										
6,367.1	0.21	283.36	6,265.0	167.7	-828.8	-159.9	1.79	-1.79	0.00	
Depth (L5.3: FBSC)										
6,379.1	0.00	0.00	6,277.0	167.8	-828.8	-159.9	1.79	-1.79	0.00	
Start Build 10.00 - KOP - Tony La Russa State Com #111H										
6,400.0	2.09	180.54	6,297.9	167.4	-828.8	-159.6	10.00	10.00	0.00	
6,500.0	12.09	180.54	6,397.0	155.0	-828.9	-147.2	10.00	10.00	0.00	
6,600.0	22.09	180.54	6,492.4	125.7	-829.2	-117.9	10.00	10.00	0.00	
6,700.0	32.09	180.54	6,581.4	80.2	-829.6	-72.4	10.00	10.00	0.00	
6,800.0	42.09	180.54	6,661.0	20.0	-830.2	-12.2	10.00	10.00	0.00	
6,888.7	50.96	180.54	6,722.0	-44.3	-830.8	52.1	10.00	10.00	0.00	
Depth (L5.1: FBSC)										
6,900.0	52.09	180.54	6,729.0	-53.1	-830.9	61.0	10.00	10.00	0.00	
7,000.0	62.09	180.54	6,783.3	-137.0	-831.7	144.8	10.00	10.00	0.00	

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Tony La Russa State Com #111H
Company:	Matador Production Company	TVD Reference:	KB @ 3208.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3208.5usft
Site:	Tony La Russa	North Reference:	Grid
Well:	Tony La Russa State Com #111H	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)	
7,100.0	72.09	180.54	6,822.2	-229.0	-832.5	236.8	10.00	10.00	0.00	
7,200.0	82.09	180.54	6,844.5	-326.3	-833.5	334.1	10.00	10.00	0.00	
7,279.1	90.00	180.54	6,850.0	-405.2	-834.2	413.0	10.00	10.00	0.00	
Start 46.3 hold at 7279.1 MD										
7,300.0	90.00	180.54	6,850.0	-426.1	-834.4	433.9	0.00	0.00	0.00	
7,325.4	90.00	180.54	6,850.0	-451.5	-834.6	459.3	0.00	0.00	0.00	
Start 9922.1 hold at 7325.4 MD										
7,400.0	90.00	180.54	6,850.0	-526.0	-835.3	533.9	0.00	0.00	0.00	
7,500.0	90.00	180.54	6,850.0	-626.0	-836.3	633.9	0.00	0.00	0.00	
7,600.0	90.00	180.54	6,850.0	-726.0	-837.2	733.9	0.00	0.00	0.00	
7,700.0	90.00	180.54	6,850.0	-826.0	-838.2	833.9	0.00	0.00	0.00	
7,800.0	90.00	180.54	6,850.0	-926.0	-839.1	933.9	0.00	0.00	0.00	
7,900.0	90.00	180.54	6,850.0	-1,026.0	-840.0	1,033.9	0.00	0.00	0.00	
8,000.0	90.00	180.54	6,850.0	-1,126.0	-841.0	1,133.9	0.00	0.00	0.00	
8,100.0	90.00	180.54	6,850.0	-1,226.0	-841.9	1,233.9	0.00	0.00	0.00	
8,200.0	90.00	180.54	6,850.0	-1,326.0	-842.9	1,333.9	0.00	0.00	0.00	
8,300.0	90.00	180.54	6,850.0	-1,426.0	-843.8	1,433.9	0.00	0.00	0.00	
8,400.0	90.00	180.54	6,850.0	-1,526.0	-844.8	1,533.9	0.00	0.00	0.00	
8,500.0	90.00	180.54	6,850.0	-1,626.0	-845.7	1,633.9	0.00	0.00	0.00	
8,600.0	90.00	180.54	6,850.0	-1,726.0	-846.6	1,733.9	0.00	0.00	0.00	
8,700.0	90.00	180.54	6,850.0	-1,826.0	-847.6	1,833.9	0.00	0.00	0.00	
8,800.0	90.00	180.54	6,850.0	-1,926.0	-848.5	1,933.9	0.00	0.00	0.00	
8,900.0	90.00	180.54	6,850.0	-2,026.0	-849.5	2,033.9	0.00	0.00	0.00	
9,000.0	90.00	180.54	6,850.0	-2,126.0	-850.4	2,133.9	0.00	0.00	0.00	
9,100.0	90.00	180.54	6,850.0	-2,226.0	-851.4	2,233.9	0.00	0.00	0.00	
9,200.0	90.00	180.54	6,850.0	-2,326.0	-852.3	2,333.9	0.00	0.00	0.00	
9,300.0	90.00	180.54	6,850.0	-2,426.0	-853.2	2,433.9	0.00	0.00	0.00	
9,400.0	90.00	180.54	6,850.0	-2,526.0	-854.2	2,533.9	0.00	0.00	0.00	
9,500.0	90.00	180.54	6,850.0	-2,626.0	-855.1	2,633.9	0.00	0.00	0.00	
9,600.0	90.00	180.54	6,850.0	-2,726.0	-856.1	2,733.9	0.00	0.00	0.00	
9,700.0	90.00	180.54	6,850.0	-2,825.9	-857.0	2,833.9	0.00	0.00	0.00	
9,800.0	90.00	180.54	6,850.0	-2,925.9	-858.0	2,933.9	0.00	0.00	0.00	
9,900.0	90.00	180.54	6,850.0	-3,025.9	-858.9	3,033.9	0.00	0.00	0.00	
10,000.0	90.00	180.54	6,850.0	-3,125.9	-859.8	3,133.9	0.00	0.00	0.00	
10,100.0	90.00	180.54	6,850.0	-3,225.9	-860.8	3,233.9	0.00	0.00	0.00	
10,200.0	90.00	180.54	6,850.0	-3,325.9	-861.7	3,333.9	0.00	0.00	0.00	
10,300.0	90.00	180.54	6,850.0	-3,425.9	-862.7	3,433.9	0.00	0.00	0.00	
10,400.0	90.00	180.54	6,850.0	-3,525.9	-863.6	3,533.9	0.00	0.00	0.00	
10,500.0	90.00	180.54	6,850.0	-3,625.9	-864.6	3,633.9	0.00	0.00	0.00	
10,600.0	90.00	180.54	6,850.0	-3,725.9	-865.5	3,733.9	0.00	0.00	0.00	
10,700.0	90.00	180.54	6,850.0	-3,825.9	-866.4	3,833.9	0.00	0.00	0.00	
10,800.0	90.00	180.54	6,850.0	-3,925.9	-867.4	3,933.9	0.00	0.00	0.00	
10,900.0	90.00	180.54	6,850.0	-4,025.9	-868.3	4,033.9	0.00	0.00	0.00	
11,000.0	90.00	180.54	6,850.0	-4,125.9	-869.3	4,133.9	0.00	0.00	0.00	
11,100.0	90.00	180.54	6,850.0	-4,225.9	-870.2	4,233.9	0.00	0.00	0.00	
11,200.0	90.00	180.54	6,850.0	-4,325.9	-871.2	4,333.9	0.00	0.00	0.00	
11,300.0	90.00	180.54	6,850.0	-4,425.9	-872.1	4,433.9	0.00	0.00	0.00	
11,400.0	90.00	180.54	6,850.0	-4,525.9	-873.0	4,533.9	0.00	0.00	0.00	
11,500.0	90.00	180.54	6,850.0	-4,625.9	-874.0	4,633.9	0.00	0.00	0.00	
11,600.0	90.00	180.54	6,850.0	-4,725.9	-874.9	4,733.9	0.00	0.00	0.00	
11,700.0	90.00	180.54	6,850.0	-4,825.9	-875.9	4,833.9	0.00	0.00	0.00	
11,800.0	90.00	180.54	6,850.0	-4,925.9	-876.8	4,933.9	0.00	0.00	0.00	
11,900.0	90.00	180.54	6,850.0	-5,025.8	-877.7	5,033.9	0.00	0.00	0.00	
12,000.0	90.00	180.54	6,850.0	-5,125.8	-878.7	5,133.9	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Tony La Russa State Com #111H
Company:	Matador Production Company	TVD Reference:	KB @ 3208.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3208.5usft
Site:	Tony La Russa	North Reference:	Grid
Well:	Tony La Russa State Com #111H	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)
12,100.0	90.00	180.54	6,850.0	-5,225.8	-879.6	5,233.9	0.00	0.00	0.00
12,200.0	90.00	180.54	6,850.0	-5,325.8	-880.6	5,333.9	0.00	0.00	0.00
12,300.0	90.00	180.54	6,850.0	-5,425.8	-881.5	5,433.9	0.00	0.00	0.00
12,400.0	90.00	180.54	6,850.0	-5,525.8	-882.5	5,533.9	0.00	0.00	0.00
12,500.0	90.00	180.54	6,850.0	-5,625.8	-883.4	5,633.9	0.00	0.00	0.00
12,600.0	90.00	180.54	6,850.0	-5,725.8	-884.3	5,733.9	0.00	0.00	0.00
12,700.0	90.00	180.54	6,850.0	-5,825.8	-885.3	5,833.9	0.00	0.00	0.00
12,800.0	90.00	180.54	6,850.0	-5,925.8	-886.2	5,933.9	0.00	0.00	0.00
12,900.0	90.00	180.54	6,850.0	-6,025.8	-887.2	6,033.9	0.00	0.00	0.00
13,000.0	90.00	180.54	6,850.0	-6,125.8	-888.1	6,133.9	0.00	0.00	0.00
13,100.0	90.00	180.54	6,850.0	-6,225.8	-889.1	6,233.9	0.00	0.00	0.00
13,200.0	90.00	180.54	6,850.0	-6,325.8	-890.0	6,333.9	0.00	0.00	0.00
13,300.0	90.00	180.54	6,850.0	-6,425.8	-890.9	6,433.9	0.00	0.00	0.00
13,400.0	90.00	180.54	6,850.0	-6,525.8	-891.9	6,533.9	0.00	0.00	0.00
13,500.0	90.00	180.54	6,850.0	-6,625.8	-892.8	6,633.9	0.00	0.00	0.00
13,600.0	90.00	180.54	6,850.0	-6,725.8	-893.8	6,733.9	0.00	0.00	0.00
13,700.0	90.00	180.54	6,850.0	-6,825.8	-894.7	6,833.9	0.00	0.00	0.00
13,800.0	90.00	180.54	6,850.0	-6,925.8	-895.7	6,933.9	0.00	0.00	0.00
13,900.0	90.00	180.54	6,850.0	-7,025.8	-896.6	7,033.9	0.00	0.00	0.00
14,000.0	90.00	180.54	6,850.0	-7,125.8	-897.5	7,133.9	0.00	0.00	0.00
14,100.0	90.00	180.54	6,850.0	-7,225.8	-898.5	7,233.9	0.00	0.00	0.00
14,200.0	90.00	180.54	6,850.0	-7,325.7	-899.4	7,333.9	0.00	0.00	0.00
14,300.0	90.00	180.54	6,850.0	-7,425.7	-900.4	7,433.9	0.00	0.00	0.00
14,400.0	90.00	180.54	6,850.0	-7,525.7	-901.3	7,533.9	0.00	0.00	0.00
14,500.0	90.00	180.54	6,850.0	-7,625.7	-902.3	7,633.9	0.00	0.00	0.00
14,600.0	90.00	180.54	6,850.0	-7,725.7	-903.2	7,733.9	0.00	0.00	0.00
14,700.0	90.00	180.54	6,850.0	-7,825.7	-904.1	7,833.9	0.00	0.00	0.00
14,800.0	90.00	180.54	6,850.0	-7,925.7	-905.1	7,933.9	0.00	0.00	0.00
14,900.0	90.00	180.54	6,850.0	-8,025.7	-906.0	8,033.9	0.00	0.00	0.00
15,000.0	90.00	180.54	6,850.0	-8,125.7	-907.0	8,133.9	0.00	0.00	0.00
15,100.0	90.00	180.54	6,850.0	-8,225.7	-907.9	8,233.9	0.00	0.00	0.00
15,200.0	90.00	180.54	6,850.0	-8,325.7	-908.8	8,333.9	0.00	0.00	0.00
15,300.0	90.00	180.54	6,850.0	-8,425.7	-909.8	8,433.9	0.00	0.00	0.00
15,400.0	90.00	180.54	6,850.0	-8,525.7	-910.7	8,533.9	0.00	0.00	0.00
15,500.0	90.00	180.54	6,850.0	-8,625.7	-911.7	8,633.9	0.00	0.00	0.00
15,600.0	90.00	180.54	6,850.0	-8,725.7	-912.6	8,733.9	0.00	0.00	0.00
15,700.0	90.00	180.54	6,850.0	-8,825.7	-913.6	8,833.9	0.00	0.00	0.00
15,800.0	90.00	180.54	6,850.0	-8,925.7	-914.5	8,933.9	0.00	0.00	0.00
15,900.0	90.00	180.54	6,850.0	-9,025.7	-915.4	9,033.9	0.00	0.00	0.00
16,000.0	90.00	180.54	6,850.0	-9,125.7	-916.4	9,133.9	0.00	0.00	0.00
16,100.0	90.00	180.54	6,850.0	-9,225.7	-917.3	9,233.9	0.00	0.00	0.00
16,200.0	90.00	180.54	6,850.0	-9,325.7	-918.3	9,333.9	0.00	0.00	0.00
16,300.0	90.00	180.54	6,850.0	-9,425.7	-919.2	9,433.9	0.00	0.00	0.00
16,400.0	90.00	180.54	6,850.0	-9,525.6	-920.2	9,533.9	0.00	0.00	0.00
16,500.0	90.00	180.54	6,850.0	-9,625.6	-921.1	9,633.9	0.00	0.00	0.00
16,600.0	90.00	180.54	6,850.0	-9,725.6	-922.0	9,733.9	0.00	0.00	0.00
16,700.0	90.00	180.54	6,850.0	-9,825.6	-923.0	9,833.9	0.00	0.00	0.00
16,800.0	90.00	180.54	6,850.0	-9,925.6	-923.9	9,933.9	0.00	0.00	0.00
16,900.0	90.00	180.54	6,850.0	-10,025.6	-924.9	10,033.9	0.00	0.00	0.00
17,000.0	90.00	180.54	6,850.0	-10,125.6	-925.8	10,133.9	0.00	0.00	0.00
17,100.0	90.00	180.54	6,850.0	-10,225.6	-926.8	10,233.9	0.00	0.00	0.00
17,200.0	90.00	180.54	6,850.0	-10,325.6	-927.7	10,333.9	0.00	0.00	0.00
17,247.5	90.00	180.54	6,850.0	-10,373.1	-928.6	10,381.4	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Tony La Russa State Com #111H
Company:	Matador Production Company	TVD Reference:	KB @ 3208.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3208.5usft
Site:	Tony La Russa	North Reference:	Grid
Well:	Tony La Russa State Com #111H	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)
TD at 17247.5 - BHL - Tony La Russa State Com #111H									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP - Tony La Russa St - hit/miss target - Shape - Point	0.00	0.00	6,277.0	167.8	-828.8	456,049.00	545,795.00	32° 15' 13.352 N	104° 11' 6.705 W
BHL - Tony La Russa St: - plan hits target center - Point	0.00	0.00	6,850.0	-10,373.1	-928.6	445,508.11	545,695.19	32° 13' 29.037 N	104° 11' 8.036 W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
659.0	659.0	Depth (Castile (T))				
2,207.0	2,207.0	Depth (G30:CS14-CSB)				
2,296.0	2,296.0	Depth (G26: Bell Cyn.)				
3,073.3	3,064.0	Depth (G13: Cherry Cyn.)				
4,123.8	4,079.0	Depth (G7: Brushy Cyn.)				
5,721.5	5,624.0	Depth (G4: BSGI (CS9))				
5,928.6	5,828.0	Depth (G4.1: AVALON-SS)				
5,946.8	5,846.0	Depth (G3.3: Avalon SS (B))				
5,962.0	5,861.0	Depth (L8.2: U. Avalon Shale)				
6,021.4	5,920.0	Depth (L6.3: Avalon Carb)				
6,322.1	6,220.0	Depth (L6.2: L. Avalon Shale)				
6,367.1	6,265.0	Depth (L5.3: FBSC)				
6,888.7	6,722.0	Depth (L5.1: FBSC)				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
2,300.0	2,300.0	0.0	0.0	Start Build 2.00	
3,050.0	3,041.5	0.0	-97.6	Start DLS 1.79 TFO 97.58	
3,242.9	3,227.9	5.7	-146.8	Start 2300.0 hold at 3242.9 MD	
5,542.9	5,450.2	142.7	-723.4	Start Drop -1.79	
6,379.1	6,277.0	167.8	-828.8	Start Build 10.00	
7,279.1	6,850.0	-405.2	-834.2	Start 46.3 hold at 7279.1 MD	
7,325.4	6,850.0	-451.5	-834.6	Start 9922.1 hold at 7325.4 MD	
17,247.5	6,850.0	-10,373.1	-928.6	TD at 17247.5	