

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

General Information  
Phone: (505) 629-6116

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

Form C-101  
August 1, 2011

Permit 405269

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

**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 30-015-57677
5. Property Name TONY LA RUSSA STATE COM									6. Well No. 112H

**7. Surface Location**

UL - Lot D	Section 3	Township 24S	Range 27E	Lot Idn 4	Feet From 255	N/S Line N	Feet From 1162	E/W Line W	County Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot N	Section 10	Township 24S	Range 27E	Lot Idn N	Feet From 110	N/S Line S	Feet From 1650	E/W Line W	County Eddy
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**9. Pool Information**

WILDCAT G-02 S242703O;BONE SPRING	97837
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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 3180
16. Multiple N	17. Proposed Depth 17198	18. Formation Bone Spring	19. Contractor	20. Spud Date 1/14/2026
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	255	0
Int1	9.875	7.625	29.7	6221	1039	0
Prod	6.75	5.5	20	17198	635	6021

**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.	<b>OIL CONSERVATION DIVISION</b>	
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
		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 <b>30-015-57677</b>	Pool Code 97837	Pool Name WILDCAT G-02 S242703O;BONE SPRING	
Property Code <b>325647</b>	Property Name TONY LA RUSSA STATE COM	Well Number 112H	
UGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 3180'	
Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fed <input type="checkbox"/> Tribal <input type="checkbox"/> Federal	Mineral Owner: <input checked="" type="checkbox"/> State <input checked="" type="checkbox"/> Fed <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	24S	27E	-	255' N	1162' W	N 32.2532825	W 104.1830147	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
N	10	24S	27E	-	110' S	1650' W	N 32.2248552	W 104.1817966	EDDY

Dedicated Acres 320.42	Infill or Defining Well INFILL	Defining Well API PENDING	Overlapping Spacing Unit (Y/N) N	Consolidated Code C
Order Numbers	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
3	3	24S	27E	-	50' N	1656' W	N 32.2538555	W 104.1814071	EDDY

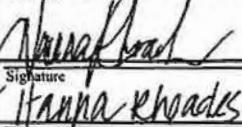
## First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
3	3	24S	27E	-	100' N	1656' W	N 32.2537180	W 104.1814097	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
N	10	24S	27E	-	110' S	1650' W	N 32.2248552	W 104.1817966	EDDY

Unitized Area or Area of Uniform Interest PENDING	Spacing Unity Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation 3180'
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OPERATOR CERTIFICATION		SURVEYORS CERTIFICATION	
<p>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.</p> <p>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.</p>		<p>I hereby certify that the well location shown on this plat is the same field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p>	
 Signature Hanna Rhoades Print Name hanna.rhoades@matadorreservoir.us E-mail Address		 Date 12/15/2025 Used <input type="checkbox"/> DOI <input checked="" type="checkbox"/> a**^: 7/14/2025 12:15:56 PM Signature and Seal of Professional Surveyor Date 07/05/2025 Certificate Number aie Date of Survey 07/05/2025	

C-102  Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
		Submittal Type: <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
Property Name and Well Number TONY LA RUSSA STATE COM 112H		
<p><b>SURFACE LOCATION (SHL)</b> NEW MEXICO EAST NAD 1983 X=587806 Y=455910 LAT.: N 32.2532825 LONG.: W 104.1830147</p> <p><b>NAD 1927</b> X=546624 Y=455851 LAT.: N 32.2531620 LONG.: W 104.1825149 255' FNL 1162' FWL</p> <p><b>KICK OFF POINT (KOP)</b> NEW MEXICO EAST NAD 1983 X=588303 Y=4561119 LAT.: N 32.2538556 LONG.: W 104.1814071</p> <p><b>NAD 1927</b> X=547121 Y=456060 LAT.: N 32.2537350 LONG.: W 104.1809073 50' FNL 1656' FWL</p> <p><b>T-24-S, R-27-E SECTION 3</b> LOT 1 - 40.40 ACRES LOT 2 - 40.41 ACRES LOT 3 - 40.42 ACRES LOT 4 - 40.43 ACRES</p>		<p><b>FIRST PERF. POINT (FPP)</b> NEW MEXICO EAST NAD 1983 X=588302 Y=456069 LAT.: N 32.2537180 LONG.: W 104.1814097</p> <p><b>NAD 1927</b> X=547120 Y=456010 LAT.: N 32.2535975 LONG.: W 104.1809099 100' FNL 1656' FWL</p> <p><b>LAST PERF. POINT (LPP)</b> <b>BOTTOM HOLE LOCATION (BHL)</b> NEW MEXICO EAST NAD 1983 X=588197 Y=445569 LAT.: N 32.2248552 LONG.: W 104.1817966</p> <p><b>NAD 1927</b> X=547015 Y=445511 LAT.: N 32.2247345 LONG.: W 104.1812976 110' FSL 1650' FWL</p> <p><b>SURVEYORS CERTIFICATION</b> I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 07/05/2025 Date of Survey Signature and Seal of Professional Surveyor</p> <p>RAMON DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR</p> <p>7/4/2025 12:15:55 PM</p>



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**State of New Mexico**  
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Conditions

Permit 405269

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-015-57677
	Well: TONY LA RUSSA STATE COM #112H

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.

Well Name: Tony La Russa State Com #112H

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
INT 1	Diesel Brine Emulsion	9.875	7.625	P-110	29.70	6221	0	1039	0	Option to cement surface casing offline
PROD	OBM	6.75	5.5	P-110	20.00	17198	0	635	6021	Option to run DV tool and Packer.

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: Clint 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 #112H**

**Wellbore #1**

**Plan: State Plan #1**

# **Standard Planning Report**

**20 October, 2025**

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Tony La Russa State Com #112H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3208.5usft
<b>Project:</b>	Rustler Breaks	<b>MD Reference:</b>	KB @ 3208.5usft
<b>Site:</b>	Tony La Russa	<b>North Reference:</b>	Grid
<b>Well:</b>	Tony La Russa State Com #112H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	State Plan #1		

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

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

<b>Well</b>	Tony La Russa State Com #112H				
<b>Well Position</b>	+N/S -31.5 usft	<b>Northing:</b>	455,851.24 usft	<b>Latitude:</b>	32° 15' 11.383 N
	+E/W -139.1 usft	<b>Easting:</b>	546,624.03 usft	<b>Longitude:</b>	104° 10' 57.054 W
<b>Position Uncertainty</b>	0.0 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	3,180.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b> (°)	<b>Dip Angle</b> (°)	<b>Field Strength</b> (nT)
	IGRF2015	12/31/2024	6.42	59.90	47,120.78997036

<b>Design</b>	State Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>		<b>Depth From (TVD)</b> (usft)	<b>+N/S</b> (usft)	<b>+E/W</b> (usft)	<b>Direction</b> (°)
		0.0	0.0	0.0	180.57

Plan Survey Tool Program		Date	10/20/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	17,198.1	State Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Tony La Russa State Com #112H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3208.5usft
<b>Project:</b>	Rustler Breaks	<b>MD Reference:</b>	KB @ 3208.5usft
<b>Site:</b>	Tony La Russa	<b>North Reference:</b>	Grid
<b>Well:</b>	Tony La Russa State Com #112H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	State Plan #1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,975.0	9.50	90.00	2,972.8	0.0	39.3	2.00	2.00	0.00	90.00	
3,475.0	9.50	90.00	3,466.0	0.0	121.8	0.00	0.00	0.00	0.00	
3,765.4	9.70	59.27	3,752.5	12.5	166.8	1.75	0.07	-10.58	-102.94	
5,765.4	9.70	59.27	5,723.9	184.8	456.6	0.00	0.00	0.00	0.00	
6,321.2	0.00	0.00	6,277.0	208.8	497.0	1.75	-1.75	0.00	180.00	KOP - Tony La Russa
7,221.2	90.00	180.60	6,850.0	-364.2	491.0	10.00	10.00	0.00	180.60	
7,222.5	90.00	180.57	6,850.0	-365.4	491.0	2.00	-0.02	-2.00	-90.54	
17,198.1	90.00	180.57	6,850.0	-10,340.6	391.0	0.00	0.00	0.00	0.00	BHL - Tony La Russa

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Tony La Russa State Com #112H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3208.5usft
<b>Project:</b>	Rustler Breaks	<b>MD Reference:</b>	KB @ 3208.5usft
<b>Site:</b>	Tony La Russa	<b>North Reference:</b>	Grid
<b>Well:</b>	Tony La Russa State Com #112H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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
<b>Depth (Castile (T))</b>									
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
<b>Depth (G30:CS14-CSB)</b>									
2,296.0	0.00	0.00	2,296.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Depth (G26: Bell Cyn.)</b>									
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Start Build 2.00</b>									
2,600.0	2.00	90.00	2,600.0	0.0	1.7	0.0	2.00	2.00	0.00
2,700.0	4.00	90.00	2,699.8	0.0	7.0	-0.1	2.00	2.00	0.00
2,800.0	6.00	90.00	2,799.5	0.0	15.7	-0.2	2.00	2.00	0.00
2,900.0	8.00	90.00	2,898.7	0.0	27.9	-0.3	2.00	2.00	0.00
2,975.0	9.50	90.00	2,972.8	0.0	39.3	-0.4	2.00	2.00	0.00
<b>Start 500.0 hold at 2975.0 MD</b>									
3,000.0	9.50	90.00	2,997.5	0.0	43.4	-0.4	0.00	0.00	0.00
3,067.4	9.50	90.00	3,064.0	0.0	54.5	-0.5	0.00	0.00	0.00
<b>Depth (G13: Cherry Cyn.)</b>									
3,100.0	9.50	90.00	3,096.1	0.0	59.9	-0.6	0.00	0.00	0.00
3,200.0	9.50	90.00	3,194.7	0.0	76.4	-0.8	0.00	0.00	0.00
3,300.0	9.50	90.00	3,293.4	0.0	92.9	-0.9	0.00	0.00	0.00
3,400.0	9.50	90.00	3,392.0	0.0	109.4	-1.1	0.00	0.00	0.00
3,475.0	9.50	90.00	3,466.0	0.0	121.8	-1.2	0.00	0.00	0.00
<b>Start DLS 1.75 TFO -102.94</b>									
3,500.0	9.41	87.40	3,490.6	0.1	125.9	-1.3	1.75	-0.35	-10.41
3,600.0	9.26	76.66	3,589.3	2.3	141.9	-3.7	1.75	-0.16	-10.74
3,700.0	9.43	65.94	3,688.0	7.5	157.2	-9.1	1.75	0.17	-10.72
3,765.4	9.70	59.27	3,752.5	12.5	166.8	-14.2	1.75	0.43	-10.20
<b>Start 2000.0 hold at 3765.4 MD</b>									

## Planning Report

<b>Database:</b> <b>Company:</b> <b>Project:</b> <b>Site:</b> <b>Well:</b> <b>Wellbore:</b> <b>Design:</b>	EDM 5000.14 Single User Db Matador Production Company Rustler Breaks Tony La Russa Tony La Russa State Com #112H Wellbore #1 State Plan #1	<b>Local Co-ordinate Reference:</b> <b>TVD Reference:</b> <b>MD Reference:</b> <b>North Reference:</b> <b>Survey Calculation Method:</b>	Well Tony La Russa State Com #112H KB @ 3208.5usft KB @ 3208.5usft Grid Minimum Curvature
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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)
3,800.0	9.70	59.27	3,786.6	15.5	171.9	-17.2	0.00	0.00	0.00
3,900.0	9.70	59.27	3,885.2	24.1	186.3	-26.0	0.00	0.00	0.00
4,000.0	9.70	59.27	3,983.7	32.7	200.8	-34.7	0.00	0.00	0.00
4,096.7	9.70	59.27	4,079.0	41.0	214.8	-43.2	0.00	0.00	0.00
<b>Depth (G7: Brushy Cyn.)</b>									
4,100.0	9.70	59.27	4,082.3	41.3	215.3	-43.5	0.00	0.00	0.00
4,200.0	9.70	59.27	4,180.9	49.9	229.8	-52.2	0.00	0.00	0.00
4,300.0	9.70	59.27	4,279.4	58.6	244.3	-61.0	0.00	0.00	0.00
4,400.0	9.70	59.27	4,378.0	67.2	258.8	-69.7	0.00	0.00	0.00
4,500.0	9.70	59.27	4,476.6	75.8	273.3	-78.5	0.00	0.00	0.00
4,600.0	9.70	59.27	4,575.1	84.4	287.8	-87.3	0.00	0.00	0.00
4,700.0	9.70	59.27	4,673.7	93.0	302.3	-96.0	0.00	0.00	0.00
4,800.0	9.70	59.27	4,772.3	101.6	316.7	-104.8	0.00	0.00	0.00
4,900.0	9.70	59.27	4,870.9	110.2	331.2	-113.5	0.00	0.00	0.00
5,000.0	9.70	59.27	4,969.4	118.8	345.7	-122.3	0.00	0.00	0.00
5,100.0	9.70	59.27	5,068.0	127.5	360.2	-131.0	0.00	0.00	0.00
5,200.0	9.70	59.27	5,166.6	136.1	374.7	-139.8	0.00	0.00	0.00
5,300.0	9.70	59.27	5,265.1	144.7	389.2	-148.6	0.00	0.00	0.00
5,400.0	9.70	59.27	5,363.7	153.3	403.7	-157.3	0.00	0.00	0.00
5,500.0	9.70	59.27	5,462.3	161.9	418.2	-166.1	0.00	0.00	0.00
5,600.0	9.70	59.27	5,560.8	170.5	432.7	-174.8	0.00	0.00	0.00
5,664.1	9.70	59.27	5,624.0	176.0	441.9	-180.4	0.00	0.00	0.00
<b>Depth (G4: BSGL (CS9))</b>									
5,700.0	9.70	59.27	5,659.4	179.1	447.1	-183.6	0.00	0.00	0.00
5,765.4	9.70	59.27	5,723.9	184.8	456.6	-189.3	0.00	0.00	0.00
<b>Start Drop -1.75</b>									
5,800.0	9.10	59.27	5,758.0	187.7	461.5	-192.2	1.75	-1.75	0.00
5,870.8	7.86	59.27	5,828.0	193.0	470.4	-197.7	1.75	-1.75	0.00
<b>Depth (G4.1: AVALON-SS)</b>									
5,888.9	7.55	59.27	5,846.0	194.2	472.5	-198.9	1.75	-1.75	0.00
<b>Depth (G3.3: Avalon SS (B))</b>									
5,900.0	7.35	59.27	5,857.0	195.0	473.8	-199.7	1.75	-1.75	0.00
5,904.1	7.28	59.27	5,861.0	195.2	474.2	-199.9	1.75	-1.75	0.00
<b>Depth (L8.2: U. Avalon Shale)</b>									
5,963.5	6.25	59.27	5,920.0	198.8	480.2	-203.6	1.75	-1.75	0.00
<b>Depth (L6.3: Avalon Carb)</b>									
6,000.0	5.61	59.27	5,956.3	200.7	483.5	-205.5	1.75	-1.75	0.00
6,100.0	3.86	59.27	6,056.0	205.0	490.6	-209.8	1.75	-1.75	0.00
6,200.0	2.12	59.27	6,155.8	207.6	495.1	-212.5	1.75	-1.75	0.00
6,264.2	1.00	59.27	6,220.0	208.5	496.6	-213.4	1.75	-1.75	0.00
<b>Depth (L6.2: L. Avalon Shale)</b>									
6,300.0	0.37	59.27	6,255.8	208.7	496.9	-213.7	1.75	-1.75	0.00
6,309.2	0.21	59.27	6,265.0	208.8	497.0	-213.7	1.75	-1.75	0.00
<b>Depth (L5.3: FBSC)</b>									
6,321.2	0.00	0.00	6,277.0	208.8	497.0	-213.7	1.75	-1.75	0.00
<b>Start Build 10.00 - KOP - Tony La Russa State Com #112H</b>									
6,400.0	7.88	180.60	6,355.6	203.4	496.9	-208.3	10.00	10.00	0.00
6,500.0	17.88	180.60	6,452.9	181.1	496.7	-186.0	10.00	10.00	0.00
6,600.0	27.88	180.60	6,544.9	142.3	496.3	-147.2	10.00	10.00	0.00
6,700.0	37.88	180.60	6,628.8	88.0	495.7	-93.0	10.00	10.00	0.00
6,800.0	47.88	180.60	6,702.0	20.1	495.0	-25.0	10.00	10.00	0.00
6,830.7	50.96	180.60	6,722.0	-3.3	494.8	-1.6	10.00	10.00	0.00
<b>Depth (L5.1: FBSG)</b>									

## Planning Report

<b>Database:</b> <b>Company:</b> <b>Project:</b> <b>Site:</b> <b>Well:</b> <b>Wellbore:</b> <b>Design:</b>	EDM 5000.14 Single User Db Matador Production Company Rustler Breaks Tony La Russa Tony La Russa State Com #112H Wellbore #1 State Plan #1	<b>Local Co-ordinate Reference:</b> <b>TVD Reference:</b> <b>MD Reference:</b> <b>North Reference:</b> <b>Survey Calculation Method:</b>	Well Tony La Russa State Com #112H KB @ 3208.5usft KB @ 3208.5usft Grid Minimum Curvature
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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)	
6,900.0	57.88	180.60	6,762.3	-59.6	494.2	54.6	10.00	10.00	0.00	
7,000.0	67.88	180.60	6,807.8	-148.4	493.2	143.5	10.00	10.00	0.00	
7,100.0	77.88	180.60	6,837.2	-243.9	492.2	239.0	10.00	10.00	0.00	
7,200.0	87.88	180.60	6,849.6	-343.0	491.2	338.1	10.00	10.00	0.00	
7,221.2	90.00	180.60	6,850.0	-364.2	491.0	359.3	10.00	10.00	0.00	
<b>Start DLS 2.00 TFO -90.54</b>										
7,222.5	90.00	180.57	6,850.0	-365.4	491.0	360.5	2.00	-0.02	-2.00	
<b>Start 9975.6 hold at 7222.5 MD</b>										
7,300.0	90.00	180.57	6,850.0	-443.0	490.2	438.1	0.00	0.00	0.00	
7,400.0	90.00	180.57	6,850.0	-543.0	489.2	538.1	0.00	0.00	0.00	
7,500.0	90.00	180.57	6,850.0	-643.0	488.2	638.1	0.00	0.00	0.00	
7,600.0	90.00	180.57	6,850.0	-743.0	487.2	738.1	0.00	0.00	0.00	
7,700.0	90.00	180.57	6,850.0	-843.0	486.2	838.1	0.00	0.00	0.00	
7,800.0	90.00	180.57	6,850.0	-943.0	485.2	938.1	0.00	0.00	0.00	
7,900.0	90.00	180.57	6,850.0	-1,042.9	484.2	1,038.1	0.00	0.00	0.00	
8,000.0	90.00	180.57	6,850.0	-1,142.9	483.2	1,138.1	0.00	0.00	0.00	
8,100.0	90.00	180.57	6,850.0	-1,242.9	482.2	1,238.1	0.00	0.00	0.00	
8,200.0	90.00	180.57	6,850.0	-1,342.9	481.2	1,338.1	0.00	0.00	0.00	
8,300.0	90.00	180.57	6,850.0	-1,442.9	480.2	1,438.1	0.00	0.00	0.00	
8,400.0	90.00	180.57	6,850.0	-1,542.9	479.2	1,538.1	0.00	0.00	0.00	
8,500.0	90.00	180.57	6,850.0	-1,642.9	478.2	1,638.1	0.00	0.00	0.00	
8,600.0	90.00	180.57	6,850.0	-1,742.9	477.2	1,738.1	0.00	0.00	0.00	
8,700.0	90.00	180.57	6,850.0	-1,842.9	476.2	1,838.1	0.00	0.00	0.00	
8,800.0	90.00	180.57	6,850.0	-1,942.9	475.1	1,938.1	0.00	0.00	0.00	
8,900.0	90.00	180.57	6,850.0	-2,042.9	474.1	2,038.1	0.00	0.00	0.00	
9,000.0	90.00	180.57	6,850.0	-2,142.9	473.1	2,138.1	0.00	0.00	0.00	
9,100.0	90.00	180.57	6,850.0	-2,242.9	472.1	2,238.1	0.00	0.00	0.00	
9,200.0	90.00	180.57	6,850.0	-2,342.9	471.1	2,338.1	0.00	0.00	0.00	
9,300.0	90.00	180.57	6,850.0	-2,442.9	470.1	2,438.1	0.00	0.00	0.00	
9,400.0	90.00	180.57	6,850.0	-2,542.9	469.1	2,538.1	0.00	0.00	0.00	
9,500.0	90.00	180.57	6,850.0	-2,642.9	468.1	2,638.1	0.00	0.00	0.00	
9,600.0	90.00	180.57	6,850.0	-2,742.9	467.1	2,738.1	0.00	0.00	0.00	
9,700.0	90.00	180.57	6,850.0	-2,842.9	466.1	2,838.1	0.00	0.00	0.00	
9,800.0	90.00	180.57	6,850.0	-2,942.9	465.1	2,938.1	0.00	0.00	0.00	
9,900.0	90.00	180.57	6,850.0	-3,042.8	464.1	3,038.1	0.00	0.00	0.00	
10,000.0	90.00	180.57	6,850.0	-3,142.8	463.1	3,138.1	0.00	0.00	0.00	
10,100.0	90.00	180.57	6,850.0	-3,242.8	462.1	3,238.1	0.00	0.00	0.00	
10,200.0	90.00	180.57	6,850.0	-3,342.8	461.1	3,338.1	0.00	0.00	0.00	
10,300.0	90.00	180.57	6,850.0	-3,442.8	460.1	3,438.1	0.00	0.00	0.00	
10,400.0	90.00	180.57	6,850.0	-3,542.8	459.1	3,538.1	0.00	0.00	0.00	
10,500.0	90.00	180.57	6,850.0	-3,642.8	458.1	3,638.1	0.00	0.00	0.00	
10,600.0	90.00	180.57	6,850.0	-3,742.8	457.1	3,738.1	0.00	0.00	0.00	
10,700.0	90.00	180.57	6,850.0	-3,842.8	456.1	3,838.1	0.00	0.00	0.00	
10,800.0	90.00	180.57	6,850.0	-3,942.8	455.1	3,938.1	0.00	0.00	0.00	
10,900.0	90.00	180.57	6,850.0	-4,042.8	454.1	4,038.1	0.00	0.00	0.00	
11,000.0	90.00	180.57	6,850.0	-4,142.8	453.1	4,138.1	0.00	0.00	0.00	
11,100.0	90.00	180.57	6,850.0	-4,242.8	452.1	4,238.1	0.00	0.00	0.00	
11,200.0	90.00	180.57	6,850.0	-4,342.8	451.1	4,338.1	0.00	0.00	0.00	
11,300.0	90.00	180.57	6,850.0	-4,442.8	450.1	4,438.1	0.00	0.00	0.00	
11,400.0	90.00	180.57	6,850.0	-4,542.8	449.1	4,538.1	0.00	0.00	0.00	
11,500.0	90.00	180.57	6,850.0	-4,642.8	448.1	4,638.1	0.00	0.00	0.00	
11,600.0	90.00	180.57	6,850.0	-4,742.8	447.1	4,738.1	0.00	0.00	0.00	
11,700.0	90.00	180.57	6,850.0	-4,842.8	446.1	4,838.1	0.00	0.00	0.00	
11,800.0	90.00	180.57	6,850.0	-4,942.8	445.1	4,938.1	0.00	0.00	0.00	

## Planning Report

<b>Database:</b> <b>Company:</b> <b>Project:</b> <b>Site:</b> <b>Well:</b> <b>Wellbore:</b> <b>Design:</b>	EDM 5000.14 Single User Db Matador Production Company Rustler Breaks Tony La Russa Tony La Russa State Com #112H Wellbore #1 State Plan #1	<b>Local Co-ordinate Reference:</b> <b>TVD Reference:</b> <b>MD Reference:</b> <b>North Reference:</b> <b>Survey Calculation Method:</b>	Well Tony La Russa State Com #112H KB @ 3208.5usft KB @ 3208.5usft Grid Minimum Curvature
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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)	
11,900.0	90.00	180.57	6,850.0	-5,042.7	444.1	5,038.1	0.00	0.00	0.00	
12,000.0	90.00	180.57	6,850.0	-5,142.7	443.1	5,138.1	0.00	0.00	0.00	
12,100.0	90.00	180.57	6,850.0	-5,242.7	442.1	5,238.1	0.00	0.00	0.00	
12,200.0	90.00	180.57	6,850.0	-5,342.7	441.1	5,338.1	0.00	0.00	0.00	
12,300.0	90.00	180.57	6,850.0	-5,442.7	440.1	5,438.1	0.00	0.00	0.00	
12,400.0	90.00	180.57	6,850.0	-5,542.7	439.1	5,538.1	0.00	0.00	0.00	
12,500.0	90.00	180.57	6,850.0	-5,642.7	438.1	5,638.1	0.00	0.00	0.00	
12,600.0	90.00	180.57	6,850.0	-5,742.7	437.1	5,738.1	0.00	0.00	0.00	
12,700.0	90.00	180.57	6,850.0	-5,842.7	436.0	5,838.1	0.00	0.00	0.00	
12,800.0	90.00	180.57	6,850.0	-5,942.7	435.0	5,938.1	0.00	0.00	0.00	
12,900.0	90.00	180.57	6,850.0	-6,042.7	434.0	6,038.1	0.00	0.00	0.00	
13,000.0	90.00	180.57	6,850.0	-6,142.7	433.0	6,138.1	0.00	0.00	0.00	
13,100.0	90.00	180.57	6,850.0	-6,242.7	432.0	6,238.1	0.00	0.00	0.00	
13,200.0	90.00	180.57	6,850.0	-6,342.7	431.0	6,338.1	0.00	0.00	0.00	
13,300.0	90.00	180.57	6,850.0	-6,442.7	430.0	6,438.1	0.00	0.00	0.00	
13,400.0	90.00	180.57	6,850.0	-6,542.7	429.0	6,538.1	0.00	0.00	0.00	
13,500.0	90.00	180.57	6,850.0	-6,642.7	428.0	6,638.1	0.00	0.00	0.00	
13,600.0	90.00	180.57	6,850.0	-6,742.7	427.0	6,738.1	0.00	0.00	0.00	
13,700.0	90.00	180.57	6,850.0	-6,842.7	426.0	6,838.1	0.00	0.00	0.00	
13,800.0	90.00	180.57	6,850.0	-6,942.7	425.0	6,938.1	0.00	0.00	0.00	
13,900.0	90.00	180.57	6,850.0	-7,042.6	424.0	7,038.1	0.00	0.00	0.00	
14,000.0	90.00	180.57	6,850.0	-7,142.6	423.0	7,138.1	0.00	0.00	0.00	
14,100.0	90.00	180.57	6,850.0	-7,242.6	422.0	7,238.1	0.00	0.00	0.00	
14,200.0	90.00	180.57	6,850.0	-7,342.6	421.0	7,338.1	0.00	0.00	0.00	
14,300.0	90.00	180.57	6,850.0	-7,442.6	420.0	7,438.1	0.00	0.00	0.00	
14,400.0	90.00	180.57	6,850.0	-7,542.6	419.0	7,538.1	0.00	0.00	0.00	
14,500.0	90.00	180.57	6,850.0	-7,642.6	418.0	7,638.1	0.00	0.00	0.00	
14,600.0	90.00	180.57	6,850.0	-7,742.6	417.0	7,738.1	0.00	0.00	0.00	
14,700.0	90.00	180.57	6,850.0	-7,842.6	416.0	7,838.1	0.00	0.00	0.00	
14,800.0	90.00	180.57	6,850.0	-7,942.6	415.0	7,938.1	0.00	0.00	0.00	
14,900.0	90.00	180.57	6,850.0	-8,042.6	414.0	8,038.1	0.00	0.00	0.00	
15,000.0	90.00	180.57	6,850.0	-8,142.6	413.0	8,138.1	0.00	0.00	0.00	
15,100.0	90.00	180.57	6,850.0	-8,242.6	412.0	8,238.1	0.00	0.00	0.00	
15,200.0	90.00	180.57	6,850.0	-8,342.6	411.0	8,338.1	0.00	0.00	0.00	
15,300.0	90.00	180.57	6,850.0	-8,442.6	410.0	8,438.1	0.00	0.00	0.00	
15,400.0	90.00	180.57	6,850.0	-8,542.6	409.0	8,538.1	0.00	0.00	0.00	
15,500.0	90.00	180.57	6,850.0	-8,642.6	408.0	8,638.1	0.00	0.00	0.00	
15,600.0	90.00	180.57	6,850.0	-8,742.6	407.0	8,738.1	0.00	0.00	0.00	
15,700.0	90.00	180.57	6,850.0	-8,842.6	406.0	8,838.1	0.00	0.00	0.00	
15,800.0	90.00	180.57	6,850.0	-8,942.6	405.0	8,938.1	0.00	0.00	0.00	
15,900.0	90.00	180.57	6,850.0	-9,042.5	404.0	9,038.1	0.00	0.00	0.00	
16,000.0	90.00	180.57	6,850.0	-9,142.5	403.0	9,138.1	0.00	0.00	0.00	
16,100.0	90.00	180.57	6,850.0	-9,242.5	402.0	9,238.1	0.00	0.00	0.00	
16,200.0	90.00	180.57	6,850.0	-9,342.5	401.0	9,338.1	0.00	0.00	0.00	
16,300.0	90.00	180.57	6,850.0	-9,442.5	400.0	9,438.1	0.00	0.00	0.00	
16,400.0	90.00	180.57	6,850.0	-9,542.5	399.0	9,538.1	0.00	0.00	0.00	
16,500.0	90.00	180.57	6,850.0	-9,642.5	398.0	9,638.1	0.00	0.00	0.00	
16,600.0	90.00	180.57	6,850.0	-9,742.5	397.0	9,738.1	0.00	0.00	0.00	
16,700.0	90.00	180.57	6,850.0	-9,842.5	395.9	9,838.1	0.00	0.00	0.00	
16,800.0	90.00	180.57	6,850.0	-9,942.5	394.9	9,938.1	0.00	0.00	0.00	
16,900.0	90.00	180.57	6,850.0	-10,042.5	393.9	10,038.1	0.00	0.00	0.00	
17,000.0	90.00	180.57	6,850.0	-10,142.5	392.9	10,138.1	0.00	0.00	0.00	
17,100.0	90.00	180.57	6,850.0	-10,242.5	391.9	10,238.1	0.00	0.00	0.00	
17,198.1	90.00	180.57	6,850.0	-10,340.6	391.0	10,336.2	0.00	0.00	0.00	

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Tony La Russa State Com #112H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3208.5usft
<b>Project:</b>	Rustler Breaks	<b>MD Reference:</b>	KB @ 3208.5usft
<b>Site:</b>	Tony La Russa	<b>North Reference:</b>	Grid
<b>Well:</b>	Tony La Russa State Com #112H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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 17198.1 - BHL - Tony La Russa State Com #112H									

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 - plan hits target center - Point	0.00	0.00	6,277.0	208.8	497.0	456,060.00	547,121.00	32° 15' 13.442 N	104° 10' 51.263 W
BHL - Tony La Russa St: - plan hits target center - Point	0.00	0.00	6,850.0	-10,340.6	391.0	445,510.68	547,014.98	32° 13' 29.044 N	104° 10' 52.671 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.)				
3,067.4	3,064.0	Depth (G13: Cherry Cyn.)				
4,096.7	4,079.0	Depth (G7: Brushy Cyn.)				
5,664.1	5,624.0	Depth (G4: BSGL (CS9))				
5,870.8	5,828.0	Depth (G4.1: AVALON-SS)				
5,888.9	5,846.0	Depth (G3.3: Avalon SS (B))				
5,904.1	5,861.0	Depth (L8.2: U. Avalon Shale)				
5,963.5	5,920.0	Depth (L6.3: Avalon Carb)				
6,264.2	6,220.0	Depth (L6.2: L. Avalon Shale)				
6,309.2	6,265.0	Depth (L5.3: FBSC)				
6,830.7	6,722.0	Depth (L5.1: FBSG)				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/S (usft)	+E/W (usft)		
2,500.0	2,500.0	0.0	0.0	Start Build 2.00	
2,975.0	2,972.8	0.0	39.3	Start 500.0 hold at 2975.0 MD	
3,475.0	3,466.0	0.0	121.8	Start DLS 1.75 TFO -102.94	
3,765.4	3,752.5	12.5	166.8	Start 2000.0 hold at 3765.4 MD	
5,765.4	5,723.9	184.8	456.6	Start Drop -1.75	
6,321.2	6,277.0	208.8	497.0	Start Build 10.00	
7,221.2	6,850.0	-364.2	491.0	Start DLS 2.00 TFO -90.54	
7,222.5	6,850.0	-365.4	491.0	Start 9975.6 hold at 7222.5 MD	
17,198.1	6,850.0	-10,340.6	391.0	TD at 17198.1	