

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 404708

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 338286		3. API Number 30-015-57672
5. Property Name R WILSON FEDERAL COM		6. Well No. 224H

7. Surface Location

UL - Lot	P	Section	22	Township	23S	Range	27E	Lot Idn	Feet From	803	N/S Line	S	Feet From	516	E/W Line	E	County	Eddy
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8. Proposed Bottom Hole Location

UL - Lot	P	Section	24	Township	23S	Range	27E	Lot Idn	P	Feet From	330	N/S Line	S	Feet From	340	E/W Line	E	County	Eddy
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9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3149
16. Multiple N	17. Proposed Depth 20220	18. Formation Wolfcamp	19. Contractor	20. Spud Date 3/17/2026
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	9300	1507	0
Prod	6.75	5.5	20	20220	631	9100

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.

22. Proposed Blowout Prevention Program

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

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
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: 12/11/2025 Phone: 972-629-2160	Conditions of Approval Attached

WELL LOCATION AND ACREAGE DEDICATION PLAT

Surface Location

Bottom Hole Location

Kick Off Point (KOP)

First Take Point (FTP)

Last Take Point (LTP)

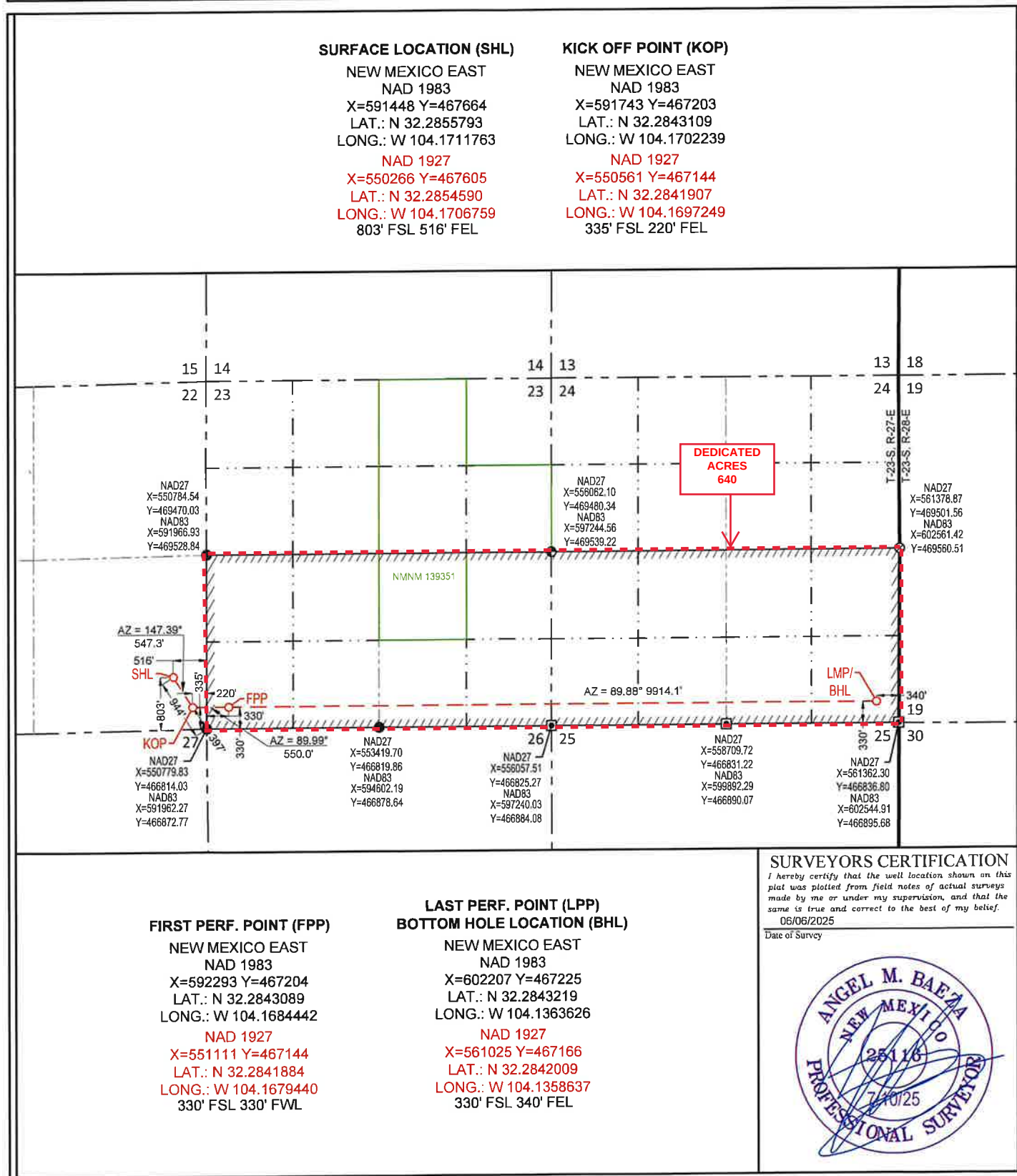
OPERATOR CERTIFICATION

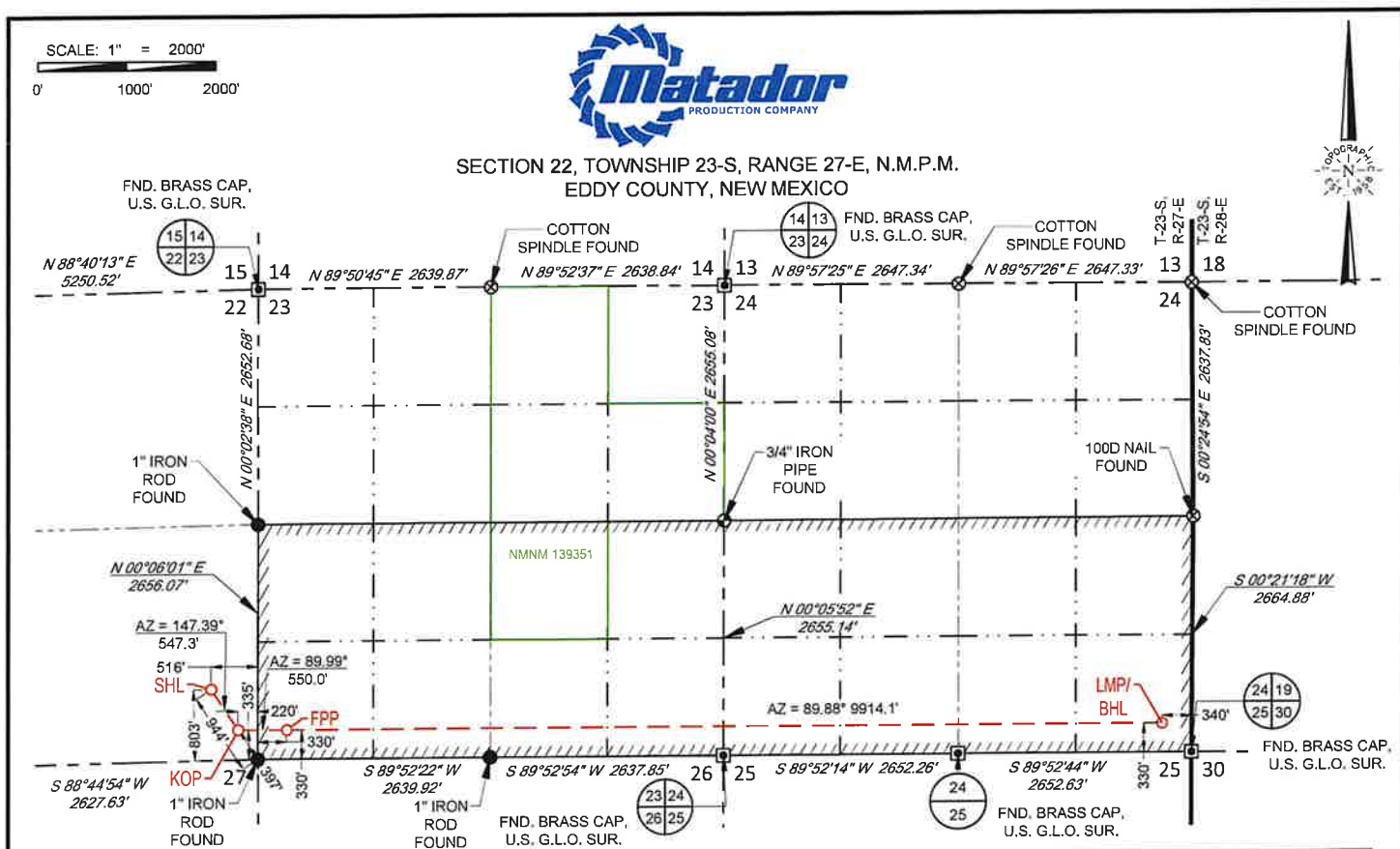
E-mail Address

SURVEYORS CERTIFICATION

06/06/2025

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☒ Initial Submittal ☐ Amended Report ☐ As Drilled
Property Name and Well Number R WILSON FED COM 224H			



**SURFACE LOCATION (SHL)**

NEW MEXICO EAST
NAD 1983
X=591448 Y=467664
LAT.: N 32.2855793
LONG.: W 104.1711763
803' FSL 516' FEL

KICK OFF POINT (KOP)

NEW MEXICO EAST
NAD 1983
X=591743 Y=467203
LAT.: N 32.2843109
LONG.: W 104.1702239
335' FSL 220' FEL

FIRST PERF. POINT (FPP)

NEW MEXICO EAST
NAD 1983
X=592293 Y=467204
LAT.: N 32.2843089
LONG.: W 104.1684442
330' FSL 330' FWL

**LAST PERF. POINT (LPP)
BOTTOM HOLE LOCATION (BHL)**

NEW MEXICO EAST
NAD 1983
X=602207 Y=467225
LAT.: N 32.2843219
LONG.: W 104.1363626
330' FSL 340' FEL

LEASE NAME & WELL NO.: R WILSON FED COM 224H

SECTION 22 TWP 23-S RGE 27-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 803' FSL & 516' FEL

DISTANCE & DIRECTION

FROM INT. OF US HWY 285 S. & US-62 W. GO SOUTH ON US HWY 285 S.
±4.0 MILES. THENCE SOUTH (RIGHT) ON GRANDI RURAL RD ±4.0 MILES.
THENCE SOUTHWEST (RIGHT) ON A LEASE RD ±0.5 MILES. THENCE
EAST (LEFT) ON A PROPOSED RD. ±46 FEET TO A POINT ±629 FEET
NORTHWEST OF THE LOCATION.



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

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

481 WINSKOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705

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

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET
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.

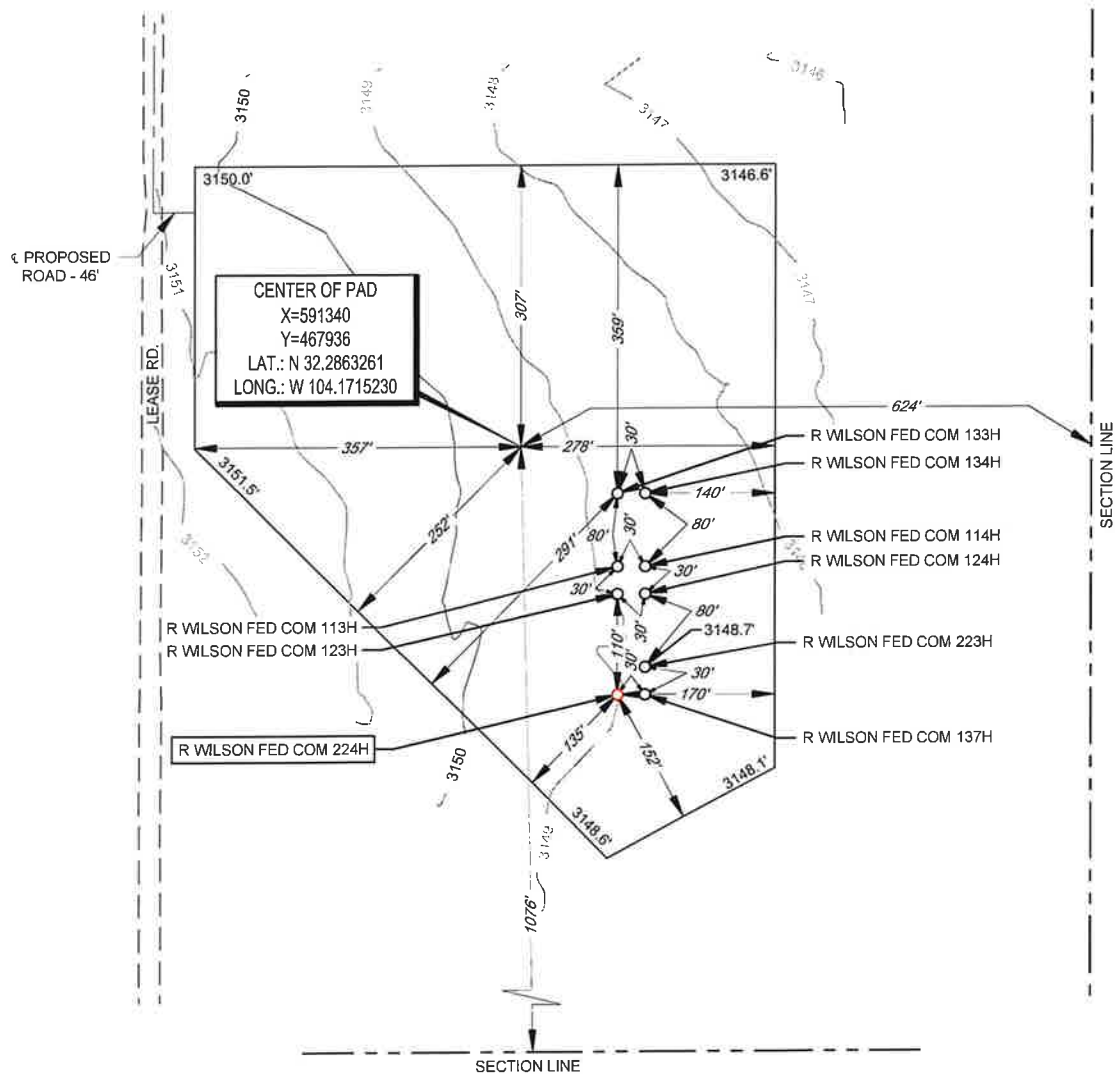
S:\SURVEY\MATADOR_RESOURCE\SIR_WILSON_23-23S-27E\FINAL_PRODUCT\SILO_R_WILSON_FED_COM_224H_REV3.DWG 7/10/2025 11:31:07 AM garret.harris

LEGEND

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



SECTION 22, TOWNSHIP 23-S, RANGE 27-E, N.M.P.M.
 EDDY COUNTY, NEW MEXICO



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

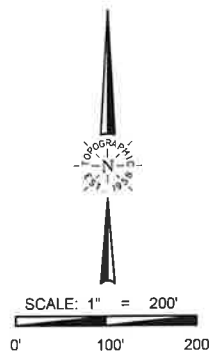
LEASE NAME & WELL NO.: R WILSON FED COM 224H
 224H LATITUDE N 32.2855793 224H LONGITUDE W 104.1711763

CENTER OF PAD IS 1076' FSL & 624' FEL

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 NAVD86, 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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S:\SURVEY\MATADOR_RESOURCES\R_WILSON_23-23S-27E\FINAL_PRODUCTS\SILO_R_WILSON_FED_COM_224H_REV3.DWG 7/10/2025 11:31:08 AM garret.harris

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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 404708

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-015-57672
	Well: R WILSON FEDERAL COM #224H

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.

Addendum to Natural Gas Management Plan for Matador's
R Wilson Fed Com 224H

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
R Wilson 224H	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

Well Name: R Wilson 224H										
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	9300	0	1507	0	Option to cement surface casing offline
PROD	OBM	6.75	5.5	P-110	20.00	20220	0	631	9100	Option to run DV tool and Packer.

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:** 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
R Wilson Fed Com 224H	TBD	P 22 -23S-27E	803' FSL 516' FEL	800	1800	2100

IV. Central Delivery Point Name: R Wilson 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
R Wilson Fed Com 224H	TBD	03/17/2026	04/17/2026	05/15/2026	08/05/2026	08/05/2026

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:

Matador Production Company

Rustler Breaks

R Wilson/Colonel Howard

R Wilson Fed Com #224H

Wellbore #1

BLM Plan #1

Anticollision Summary Report

15 July, 2025

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well R Wilson Fed Com #224H
Project:	Rustler Breaks	TVD Reference:	KB @ 3177.5usft
Reference Site:	R Wilson/Colonel Howard	MD Reference:	KB @ 3177.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	R Wilson Fed Com #224H	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:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Reference	BLM Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	7/14/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	20,220.2	BLM Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Offsets Rustler Break Wells						
Dr K RB #203H - Wellbore #1 - Actual	19,646.8	13,605.4	2,024.9	1,671.3	5.726	CC
Dr K RB #203H - Wellbore #1 - Actual	19,800.0	13,691.5	2,027.2	1,668.3	5.648	ES
Dr K RB #203H - Wellbore #1 - Actual	20,220.2	14,082.4	2,048.5	1,671.4	5.432	SF
Dr K RB #204H - Wellbore #1 - Actual	20,154.2	14,302.7	510.6	372.5	3.699	CC
Dr K RB #204H - Wellbore #1 - Actual	20,220.2	14,367.1	510.8	371.6	3.669	ES, SF
Dr K RB #206H - Wellbore #1 - Actual	15,524.6	9,675.4	3,001.1	2,821.4	16.702	CC
Dr K RB #206H - Wellbore #1 - Actual	20,200.0	14,219.2	3,055.1	2,672.0	7.974	ES
Dr K RB #206H - Wellbore #1 - Actual	20,220.2	14,236.8	3,056.0	2,672.0	7.958	SF
Lost River Fee #1 - Wellbore #1 - Actual	14,243.3	9,471.0	865.4	735.4	6.654	CC, ES
Lost River Fee #1 - Wellbore #1 - Actual	14,300.0	9,471.0	867.3	736.8	6.646	SF
Norris Thornton Com #2 - Wellbore #1 - Actual	14,280.2	9,980.8	1,902.2	1,749.8	12.477	CC
Norris Thornton Com #2 - Wellbore #1 - Actual	14,300.0	9,980.6	1,902.3	1,749.5	12.447	ES
Norris Thornton Com #2 - Wellbore #1 - Actual	14,500.0	9,978.6	1,914.9	1,758.9	12.276	SF
Norris Thornton Com #204H - Wellbore #1 - Actual	9,184.6	14,497.0	521.1	423.0	5.312	CC, ES
Norris Thornton Com #204H - Wellbore #1 - Actual	9,200.0	14,497.0	521.4	423.1	5.305	SF
Rustler Breaks SWD #3 - Wellbore #1 - Actual	18,884.2	9,939.8	1,404.2	1,140.9	5.332	CC
Rustler Breaks SWD #3 - Wellbore #1 - Actual	18,900.0	9,939.3	1,404.3	1,140.7	5.327	ES
Rustler Breaks SWD #3 - Wellbore #1 - Actual	19,000.0	9,936.3	1,409.0	1,144.2	5.322	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 R Wilson Fed Com #224H
Project:	Rustler Breaks	TVD Reference:	KB @ 3177.5usft
Reference Site:	R Wilson/Colonel Howard	MD Reference:	KB @ 3177.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	R Wilson Fed Com #224H	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:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
R Wilson/Colonel Howard						
Colonel R. Howard Fed Com #200H - Wellbore #1 - BLM	1,400.0	1,406.0	3,263.3	3,253.7	339.995	CC, ES
Colonel R. Howard Fed Com #200H - Wellbore #1 - BLM	13,300.0	10,866.6	4,707.4	4,560.9	32.141	SF
R Wilson Fed Com #113H - Wellbore #1 - BLM Plan #1	1,300.0	1,300.0	140.0	131.1	15.802	CC, ES
R Wilson Fed Com #113H - Wellbore #1 - BLM Plan #1	19,200.0	19,200.0	3,563.9	3,269.9	12.119	SF
R Wilson Fed Com #114H - Wellbore #1 - BLM Plan #1	4,644.7	4,658.0	100.9	66.5	2.934	CC, ES
R Wilson Fed Com #114H - Wellbore #1 - BLM Plan #1	4,700.0	4,712.3	101.3	66.5	2.909	SF
R Wilson Fed Com #123H - Wellbore #1 - BLM Plan #1	1,400.0	1,400.0	110.0	100.4	11.486	CC, ES
R Wilson Fed Com #123H - Wellbore #1 - BLM Plan #1	20,220.2	17,872.0	3,269.9	2,924.4	9.465	SF
R Wilson Fed Com #124H - Wellbore #1 - BLM Plan #1	1,400.0	1,400.0	114.0	104.4	11.906	CC
R Wilson Fed Com #124H - Wellbore #1 - BLM Plan #1	1,500.0	1,500.0	114.6	104.4	11.152	ES
R Wilson Fed Com #124H - Wellbore #1 - BLM Plan #1	7,100.0	7,060.2	424.6	374.0	8.402	SF
R Wilson Fed Com #133H - Wellbore #1 - BLM Plan #1	1,400.0	1,401.0	220.0	210.4	22.964	CC, ES
R Wilson Fed Com #133H - Wellbore #1 - BLM Plan #1	20,220.2	18,770.8	2,246.3	1,897.9	6.447	SF
R Wilson Fed Com #134H - Wellbore #1 - BLM Plan #1	6,252.7	6,253.3	55.5	9.8	1.214	Level 2, CC
R Wilson Fed Com #134H - Wellbore #1 - BLM Plan #1	6,300.0	6,300.4	55.7	9.6	1.209	Level 2, ES, SF
R Wilson Fed Com #137H - Wellbore #1 - BLM Plan #1	1,774.2	1,773.1	17.5	5.3	1.432	Level 3, CC, ES, SF
R Wilson Fed Com #223H - Wellbore #1 - BLM Plan #1	1,599.6	1,600.6	41.9	30.9	3.814	CC, ES
R Wilson Fed Com #223H - Wellbore #1 - BLM Plan #1	18,800.0	18,809.1	1,324.0	873.0	2.936	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 R Wilson Fed Com #224H
Project:	Rustler Breaks	TVD Reference:	KB @ 3177.5usft
Reference Site:	R Wilson/Colonel Howard	MD Reference:	KB @ 3177.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	R Wilson Fed Com #224H	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:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3177.5usft

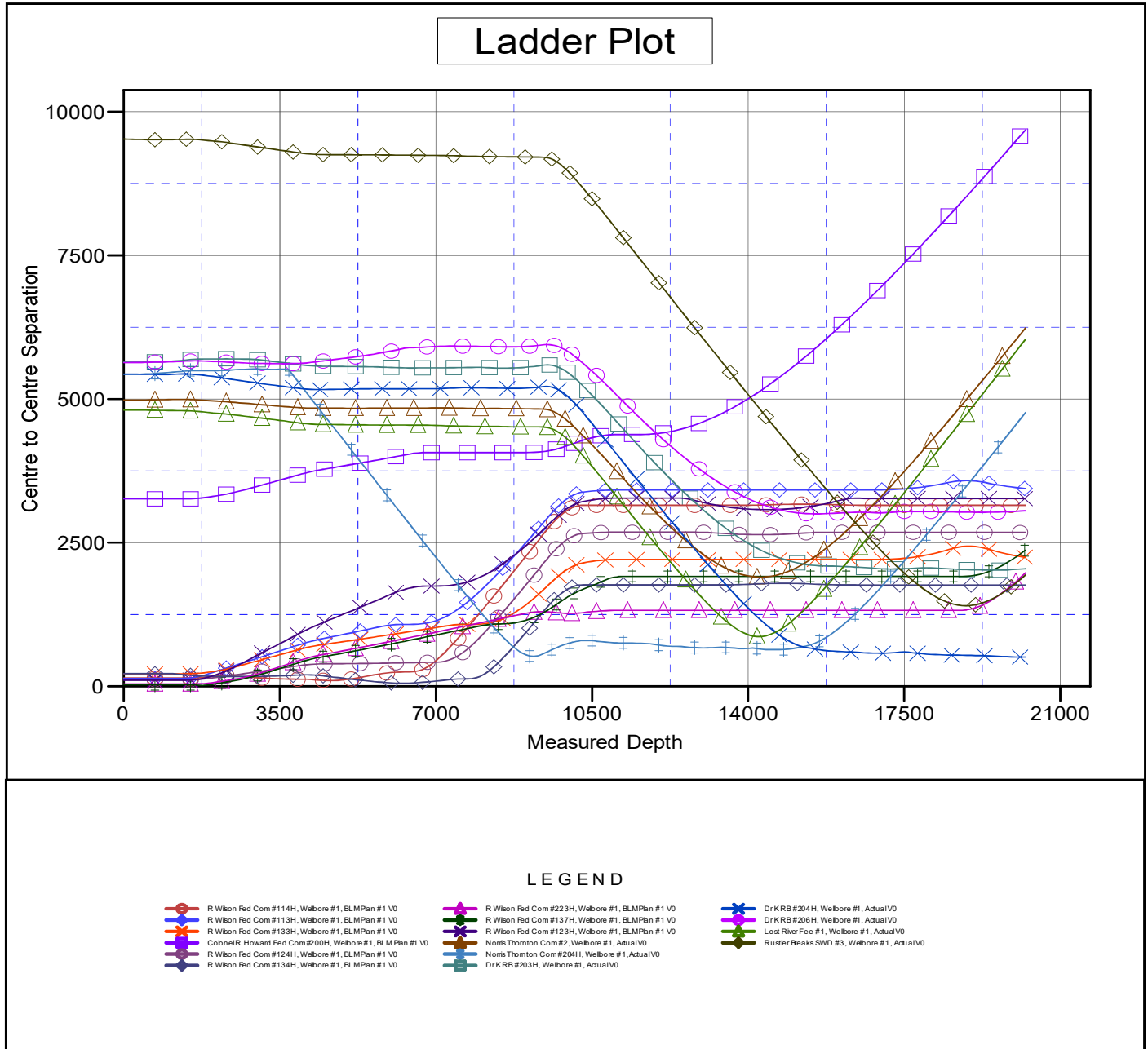
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: R Wilson Fed Com #224H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.09°



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

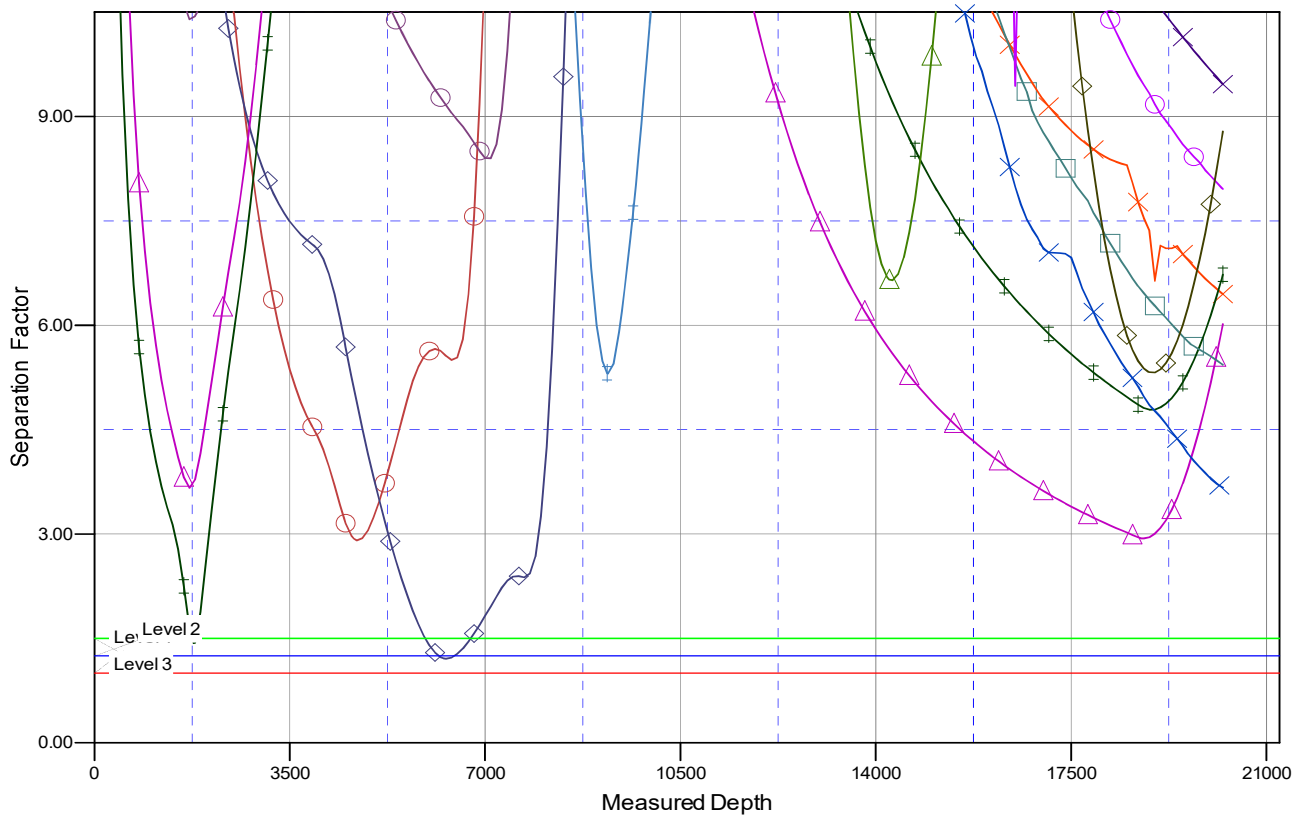
Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well R Wilson Fed Com #224H
Project:	Rustler Breaks	TVD Reference:	KB @ 3177.5usft
Reference Site:	R Wilson/Colonel Howard	MD Reference:	KB @ 3177.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	R Wilson Fed Com #224H	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:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3177.5usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: R Wilson Fed Com #224H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.09°

Separation Factor Plot



LEGEND

R Wilson Fed Com #114H, Wellbore #1, BLMPlan #1 V0	R Wilson Fed Com #223H, Wellbore #1, BLMPlan #1 V0	Dr KRB#204H, Wellbore #1, ActualV0
R Wilson Fed Com #113H, Wellbore #1, BLMPlan #1 V0	R Wilson Fed Com #137H, Wellbore #1, BLMPlan #1 V0	Dr KRB#206H, Wellbore #1, ActualV0
R Wilson Fed Com #133H, Wellbore #1, BLMPlan #1 V0	R Wilson Fed Com #123H, Wellbore #1, BLMPlan #1 V0	Lost River Fee #1, Wellbore #1, ActualV0
Colonel R. Howard Fed Com #200H, Wellbore #1, BLMPlan #1 V0	Norris Thornton Com #2, Wellbore #1, ActualV0	Rustler Breaks SWD #3, Wellbore #1, ActualV0
R Wilson Fed Com #124H, Wellbore #1, BLMPlan #1 V0	Norris Thornton Com #204H, Wellbore #1, ActualV0	
R Wilson Fed Com #134H, Wellbore #1, BLMPlan #1 V0	Dr KRB#203H, Wellbore #1, ActualV0	

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

Matador Production Company

Rustler Breaks

R Wilson/Colonel Howard

R Wilson Fed Com #224H

Wellbore #1

Plan: BLM Plan #1

Standard Planning Report

15 July, 2025

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #224H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #224H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM 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		R Wilson/Colonel Howard			
Site Position:		Northing:	470,834.93 usft	Latitude:	32° 17' 39.620 N
From:	Lat/Long	Easting:	549,829.96 usft	Longitude:	104° 10' 19.458 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.09 °

Well	R Wilson Fed Com #224H					
Well Position	+N/-S	-3,229.9 usft	Northing:	467,605.00 usft	Latitude:	32° 17' 7.649 N
	+E/-W	436.0 usft	Easting:	550,266.00 usft	Longitude:	104° 10' 14.435 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,149.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2024	6.42	59.93	47,140.98805730

Design		BLM 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	89.88

Plan Survey Tool Program		Date 7/14/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	20,220.2	BLM 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	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	8.00	125.57	1,798.7	-16.2	22.7	2.00	2.00	0.00	125.57	
3,938.6	8.00	125.57	3,916.5	-189.4	264.8	0.00	0.00	0.00	0.00	
4,472.0	0.00	0.00	4,448.1	-211.0	295.0	1.50	-1.50	0.00	180.00	
9,400.8	0.00	0.00	9,377.0	-211.0	295.0	0.00	0.00	0.00	0.00	KOP - R Wilson Fed C
10,300.8	90.00	105.05	9,950.0	-359.8	848.3	10.00	10.00	0.00	105.05	
11,059.3	90.00	89.88	9,950.0	-458.0	1,598.1	2.00	0.00	-2.00	-90.00	
20,220.2	90.00	89.88	9,950.0	-439.0	10,759.0	0.00	0.00	0.00	0.00	BHL - R Wilson Fed C

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #224H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #224H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM 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
127.0	0.00	0.00	127.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
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
Salado									
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
Start Build 2.00									
1,500.0	2.00	125.57	1,500.0	-1.0	1.4	1.4	2.00	2.00	0.00
1,600.0	4.00	125.57	1,599.8	-4.1	5.7	5.7	2.00	2.00	0.00
1,700.0	6.00	125.57	1,699.5	-9.1	12.8	12.7	2.00	2.00	0.00
1,800.0	8.00	125.57	1,798.7	-16.2	22.7	22.6	2.00	2.00	0.00
Start 2138.6 hold at 1800.0 MD									
1,900.0	8.00	125.57	1,897.7	-24.3	34.0	33.9	0.00	0.00	0.00
2,000.0	8.00	125.57	1,996.8	-32.4	45.3	45.2	0.00	0.00	0.00
2,100.0	8.00	125.57	2,095.8	-40.5	56.6	56.6	0.00	0.00	0.00
2,200.0	8.00	125.57	2,194.8	-48.6	68.0	67.9	0.00	0.00	0.00
2,223.4	8.00	125.57	2,218.0	-50.5	70.6	70.5	0.00	0.00	0.00
Lamar									
2,282.0	8.00	125.57	2,276.0	-55.2	77.2	77.1	0.00	0.00	0.00
Bell Cyn									
2,300.0	8.00	125.57	2,293.8	-56.7	79.3	79.2	0.00	0.00	0.00
2,400.0	8.00	125.57	2,392.9	-64.8	90.6	90.5	0.00	0.00	0.00
2,500.0	8.00	125.57	2,491.9	-72.9	101.9	101.8	0.00	0.00	0.00
2,600.0	8.00	125.57	2,590.9	-81.0	113.2	113.1	0.00	0.00	0.00
2,700.0	8.00	125.57	2,689.9	-89.1	124.6	124.4	0.00	0.00	0.00
2,800.0	8.00	125.57	2,789.0	-97.2	135.9	135.7	0.00	0.00	0.00
2,900.0	8.00	125.57	2,888.0	-105.3	147.2	147.0	0.00	0.00	0.00
3,000.0	8.00	125.57	2,987.0	-113.4	158.5	158.3	0.00	0.00	0.00
3,028.3	8.00	125.57	3,015.0	-115.7	161.7	161.5	0.00	0.00	0.00
Cherry Cyn									
3,100.0	8.00	125.57	3,086.1	-121.5	169.8	169.6	0.00	0.00	0.00
3,200.0	8.00	125.57	3,185.1	-129.6	181.2	180.9	0.00	0.00	0.00
3,300.0	8.00	125.57	3,284.1	-137.7	192.5	192.2	0.00	0.00	0.00
3,400.0	8.00	125.57	3,383.1	-145.8	203.8	203.5	0.00	0.00	0.00
3,500.0	8.00	125.57	3,482.2	-153.9	215.1	214.8	0.00	0.00	0.00
3,600.0	8.00	125.57	3,581.2	-162.0	226.4	226.1	0.00	0.00	0.00
3,700.0	8.00	125.57	3,680.2	-170.1	237.8	237.4	0.00	0.00	0.00
3,800.0	8.00	125.57	3,779.2	-178.2	249.1	248.7	0.00	0.00	0.00
3,900.0	8.00	125.57	3,878.3	-186.2	260.4	260.0	0.00	0.00	0.00
3,938.6	8.00	125.57	3,916.5	-189.4	264.8	264.4	0.00	0.00	0.00
Start Drop -1.50									

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #224H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #224H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM 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	7.08	125.57	3,977.4	-194.1	271.3	270.9	1.50	-1.50	0.00
4,100.0	5.58	125.57	4,076.7	-200.5	280.3	279.9	1.50	-1.50	0.00
4,133.4	5.08	125.57	4,110.0	-202.3	282.8	282.4	1.50	-1.50	0.00
Brushy Cyn									
4,200.0	4.08	125.57	4,176.4	-205.4	287.1	286.7	1.50	-1.50	0.00
4,300.0	2.58	125.57	4,276.2	-208.7	291.9	291.4	1.50	-1.50	0.00
4,400.0	1.08	125.57	4,376.2	-210.6	294.4	294.0	1.50	-1.50	0.00
4,472.0	0.00	0.00	4,448.1	-211.0	295.0	294.6	1.50	-1.50	0.00
Start 4928.9 hold at 4472.0 MD									
4,500.0	0.00	0.00	4,476.2	-211.0	295.0	294.6	0.00	0.00	0.00
4,600.0	0.00	0.00	4,576.2	-211.0	295.0	294.6	0.00	0.00	0.00
4,700.0	0.00	0.00	4,676.2	-211.0	295.0	294.6	0.00	0.00	0.00
4,800.0	0.00	0.00	4,776.2	-211.0	295.0	294.6	0.00	0.00	0.00
4,900.0	0.00	0.00	4,876.2	-211.0	295.0	294.6	0.00	0.00	0.00
5,000.0	0.00	0.00	4,976.2	-211.0	295.0	294.6	0.00	0.00	0.00
5,100.0	0.00	0.00	5,076.2	-211.0	295.0	294.6	0.00	0.00	0.00
5,200.0	0.00	0.00	5,176.2	-211.0	295.0	294.6	0.00	0.00	0.00
5,300.0	0.00	0.00	5,276.2	-211.0	295.0	294.6	0.00	0.00	0.00
5,331.8	0.00	0.00	5,308.0	-211.0	295.0	294.6	0.00	0.00	0.00
Lower Brushy Cyn									
5,400.0	0.00	0.00	5,376.2	-211.0	295.0	294.6	0.00	0.00	0.00
5,500.0	0.00	0.00	5,476.2	-211.0	295.0	294.6	0.00	0.00	0.00
5,600.0	0.00	0.00	5,576.2	-211.0	295.0	294.6	0.00	0.00	0.00
5,653.8	0.00	0.00	5,630.0	-211.0	295.0	294.6	0.00	0.00	0.00
BSGL									
5,700.0	0.00	0.00	5,676.2	-211.0	295.0	294.6	0.00	0.00	0.00
5,800.0	0.00	0.00	5,776.2	-211.0	295.0	294.6	0.00	0.00	0.00
5,900.0	0.00	0.00	5,876.2	-211.0	295.0	294.6	0.00	0.00	0.00
5,986.8	0.00	0.00	5,963.0	-211.0	295.0	294.6	0.00	0.00	0.00
Avalon Shale									
6,000.0	0.00	0.00	5,976.2	-211.0	295.0	294.6	0.00	0.00	0.00
6,068.8	0.00	0.00	6,045.0	-211.0	295.0	294.6	0.00	0.00	0.00
Avalon Carb									
6,100.0	0.00	0.00	6,076.2	-211.0	295.0	294.6	0.00	0.00	0.00
6,200.0	0.00	0.00	6,176.2	-211.0	295.0	294.6	0.00	0.00	0.00
6,300.0	0.00	0.00	6,276.2	-211.0	295.0	294.6	0.00	0.00	0.00
6,400.0	0.00	0.00	6,376.2	-211.0	295.0	294.6	0.00	0.00	0.00
6,430.8	0.00	0.00	6,407.0	-211.0	295.0	294.6	0.00	0.00	0.00
FBSC									
6,500.0	0.00	0.00	6,476.2	-211.0	295.0	294.6	0.00	0.00	0.00
6,600.0	0.00	0.00	6,576.2	-211.0	295.0	294.6	0.00	0.00	0.00
6,700.0	0.00	0.00	6,676.2	-211.0	295.0	294.6	0.00	0.00	0.00
6,715.8	0.00	0.00	6,692.0	-211.0	295.0	294.6	0.00	0.00	0.00
FBSG									
6,800.0	0.00	0.00	6,776.2	-211.0	295.0	294.6	0.00	0.00	0.00
6,900.0	0.00	0.00	6,876.2	-211.0	295.0	294.6	0.00	0.00	0.00
6,998.8	0.00	0.00	6,975.0	-211.0	295.0	294.6	0.00	0.00	0.00
SBSC									
7,000.0	0.00	0.00	6,976.2	-211.0	295.0	294.6	0.00	0.00	0.00
7,100.0	0.00	0.00	7,076.2	-211.0	295.0	294.6	0.00	0.00	0.00
7,200.0	0.00	0.00	7,176.2	-211.0	295.0	294.6	0.00	0.00	0.00
7,285.8	0.00	0.00	7,262.0	-211.0	295.0	294.6	0.00	0.00	0.00
SBSC									

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #224H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #224H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM 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)
7,300.0	0.00	0.00	7,276.2	-211.0	295.0	294.6	0.00	0.00	0.00
7,400.0	0.00	0.00	7,376.2	-211.0	295.0	294.6	0.00	0.00	0.00
7,445.8	0.00	0.00	7,422.0	-211.0	295.0	294.6	0.00	0.00	0.00
TBSC									
7,500.0	0.00	0.00	7,476.2	-211.0	295.0	294.6	0.00	0.00	0.00
7,600.0	0.00	0.00	7,576.2	-211.0	295.0	294.6	0.00	0.00	0.00
7,700.0	0.00	0.00	7,676.2	-211.0	295.0	294.6	0.00	0.00	0.00
7,800.0	0.00	0.00	7,776.2	-211.0	295.0	294.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,876.2	-211.0	295.0	294.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,976.2	-211.0	295.0	294.6	0.00	0.00	0.00
8,100.0	0.00	0.00	8,076.2	-211.0	295.0	294.6	0.00	0.00	0.00
8,200.0	0.00	0.00	8,176.2	-211.0	295.0	294.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,276.2	-211.0	295.0	294.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,376.2	-211.0	295.0	294.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,476.2	-211.0	295.0	294.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,576.2	-211.0	295.0	294.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,676.2	-211.0	295.0	294.6	0.00	0.00	0.00
8,713.8	0.00	0.00	8,690.0	-211.0	295.0	294.6	0.00	0.00	0.00
TBSG									
8,800.0	0.00	0.00	8,776.2	-211.0	295.0	294.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,876.2	-211.0	295.0	294.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,976.2	-211.0	295.0	294.6	0.00	0.00	0.00
9,062.8	0.00	0.00	9,039.0	-211.0	295.0	294.6	0.00	0.00	0.00
WFMP A									
9,100.0	0.00	0.00	9,076.2	-211.0	295.0	294.6	0.00	0.00	0.00
9,200.0	0.00	0.00	9,176.2	-211.0	295.0	294.6	0.00	0.00	0.00
9,300.0	0.00	0.00	9,276.2	-211.0	295.0	294.6	0.00	0.00	0.00
9,384.8	0.00	0.00	9,361.0	-211.0	295.0	294.6	0.00	0.00	0.00
WFMP B									
9,400.0	0.00	0.00	9,376.2	-211.0	295.0	294.6	0.00	0.00	0.00
9,400.8	0.00	0.00	9,377.0	-211.0	295.0	294.6	0.00	0.00	0.00
Start Build 10.00 - KOP - R Wilson Fed Com #224H									
9,500.0	9.92	105.05	9,475.7	-213.2	303.3	302.8	10.00	10.00	0.00
9,600.0	19.92	105.05	9,572.2	-219.9	328.1	327.6	10.00	10.00	0.00
9,700.0	29.92	105.05	9,662.7	-230.8	368.7	368.2	10.00	10.00	0.00
9,800.0	39.92	105.05	9,744.6	-245.7	423.9	423.4	10.00	10.00	0.00
9,900.0	49.92	105.05	9,815.4	-264.0	492.0	491.5	10.00	10.00	0.00
10,000.0	59.92	105.05	9,872.8	-285.2	570.9	570.3	10.00	10.00	0.00
10,100.0	69.92	105.05	9,915.1	-308.7	658.3	657.7	10.00	10.00	0.00
10,200.0	79.92	105.05	9,941.1	-333.7	751.4	750.7	10.00	10.00	0.00
10,297.4	89.66	105.05	9,949.9	-358.9	845.0	844.3	10.00	10.00	0.00
FTP - R Wilson Fed Com #224H									
10,300.0	89.92	105.05	9,950.0	-359.6	847.5	846.7	10.00	10.00	0.00
10,300.8	90.00	105.05	9,950.0	-359.8	848.3	847.5	10.00	10.00	0.00
Start DLS 2.00 TFO -90.00									
10,400.0	90.00	103.07	9,950.0	-383.9	944.5	943.7	2.00	0.00	-2.00
10,500.0	90.00	101.07	9,950.0	-404.8	1,042.3	1,041.4	2.00	0.00	-2.00
10,600.0	90.00	99.07	9,950.0	-422.2	1,140.7	1,139.8	2.00	0.00	-2.00
10,700.0	90.00	97.07	9,950.0	-436.3	1,239.7	1,238.8	2.00	0.00	-2.00
10,800.0	90.00	95.07	9,950.0	-446.8	1,339.2	1,338.2	2.00	0.00	-2.00
10,900.0	90.00	93.07	9,950.0	-453.9	1,438.9	1,438.0	2.00	0.00	-2.00
11,000.0	90.00	91.07	9,950.0	-457.5	1,538.8	1,537.9	2.00	0.00	-2.00
11,059.3	90.00	89.88	9,950.0	-458.0	1,598.1	1,597.2	2.00	0.00	-2.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #224H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #224H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM 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)
Start 9160.9 hold at 11059.3 MD									
11,100.0	90.00	89.88	9,950.0	-457.9	1,638.8	1,637.9	0.00	0.00	0.00
11,200.0	90.00	89.88	9,950.0	-457.7	1,738.8	1,737.9	0.00	0.00	0.00
11,300.0	90.00	89.88	9,950.0	-457.5	1,838.8	1,837.9	0.00	0.00	0.00
11,400.0	90.00	89.88	9,950.0	-457.3	1,938.8	1,937.9	0.00	0.00	0.00
11,500.0	90.00	89.88	9,950.0	-457.1	2,038.8	2,037.9	0.00	0.00	0.00
11,600.0	90.00	89.88	9,950.0	-456.9	2,138.8	2,137.9	0.00	0.00	0.00
11,700.0	90.00	89.88	9,950.0	-456.7	2,238.8	2,237.9	0.00	0.00	0.00
11,800.0	90.00	89.88	9,950.0	-456.5	2,338.8	2,337.9	0.00	0.00	0.00
11,900.0	90.00	89.88	9,950.0	-456.3	2,438.8	2,437.9	0.00	0.00	0.00
12,000.0	90.00	89.88	9,950.0	-456.1	2,538.8	2,537.9	0.00	0.00	0.00
12,100.0	90.00	89.88	9,950.0	-455.9	2,638.8	2,637.9	0.00	0.00	0.00
12,200.0	90.00	89.88	9,950.0	-455.7	2,738.8	2,737.9	0.00	0.00	0.00
12,300.0	90.00	89.88	9,950.0	-455.5	2,838.8	2,837.9	0.00	0.00	0.00
12,400.0	90.00	89.88	9,950.0	-455.2	2,938.8	2,937.9	0.00	0.00	0.00
12,500.0	90.00	89.88	9,950.0	-455.0	3,038.8	3,037.9	0.00	0.00	0.00
12,600.0	90.00	89.88	9,950.0	-454.8	3,138.8	3,137.9	0.00	0.00	0.00
12,700.0	90.00	89.88	9,950.0	-454.6	3,238.8	3,237.9	0.00	0.00	0.00
12,800.0	90.00	89.88	9,950.0	-454.4	3,338.8	3,337.9	0.00	0.00	0.00
12,900.0	90.00	89.88	9,950.0	-454.2	3,438.8	3,437.9	0.00	0.00	0.00
13,000.0	90.00	89.88	9,950.0	-454.0	3,538.8	3,537.9	0.00	0.00	0.00
13,100.0	90.00	89.88	9,950.0	-453.8	3,638.8	3,637.9	0.00	0.00	0.00
13,200.0	90.00	89.88	9,950.0	-453.6	3,738.8	3,737.9	0.00	0.00	0.00
13,300.0	90.00	89.88	9,950.0	-453.4	3,838.8	3,837.9	0.00	0.00	0.00
13,400.0	90.00	89.88	9,950.0	-453.2	3,938.8	3,937.9	0.00	0.00	0.00
13,500.0	90.00	89.88	9,950.0	-453.0	4,038.8	4,037.9	0.00	0.00	0.00
13,600.0	90.00	89.88	9,950.0	-452.8	4,138.8	4,137.9	0.00	0.00	0.00
13,700.0	90.00	89.88	9,950.0	-452.5	4,238.8	4,237.9	0.00	0.00	0.00
13,800.0	90.00	89.88	9,950.0	-452.3	4,338.8	4,337.9	0.00	0.00	0.00
13,900.0	90.00	89.88	9,950.0	-452.1	4,438.8	4,437.9	0.00	0.00	0.00
14,000.0	90.00	89.88	9,950.0	-451.9	4,538.8	4,537.9	0.00	0.00	0.00
14,100.0	90.00	89.88	9,950.0	-451.7	4,638.8	4,637.9	0.00	0.00	0.00
14,200.0	90.00	89.88	9,950.0	-451.5	4,738.8	4,737.9	0.00	0.00	0.00
14,300.0	90.00	89.88	9,950.0	-451.3	4,838.8	4,837.9	0.00	0.00	0.00
14,400.0	90.00	89.88	9,950.0	-451.1	4,938.8	4,937.9	0.00	0.00	0.00
14,500.0	90.00	89.88	9,950.0	-450.9	5,038.8	5,037.9	0.00	0.00	0.00
14,600.0	90.00	89.88	9,950.0	-450.7	5,138.8	5,137.9	0.00	0.00	0.00
14,700.0	90.00	89.88	9,950.0	-450.5	5,238.8	5,237.9	0.00	0.00	0.00
14,800.0	90.00	89.88	9,950.0	-450.3	5,338.8	5,337.9	0.00	0.00	0.00
14,900.0	90.00	89.88	9,950.0	-450.1	5,438.8	5,437.9	0.00	0.00	0.00
15,000.0	90.00	89.88	9,950.0	-449.8	5,538.8	5,537.9	0.00	0.00	0.00
15,100.0	90.00	89.88	9,950.0	-449.6	5,638.8	5,637.9	0.00	0.00	0.00
15,200.0	90.00	89.88	9,950.0	-449.4	5,738.8	5,737.9	0.00	0.00	0.00
15,300.0	90.00	89.88	9,950.0	-449.2	5,838.8	5,837.9	0.00	0.00	0.00
15,400.0	90.00	89.88	9,950.0	-449.0	5,938.8	5,937.9	0.00	0.00	0.00
15,500.0	90.00	89.88	9,950.0	-448.8	6,038.8	6,037.9	0.00	0.00	0.00
15,600.0	90.00	89.88	9,950.0	-448.6	6,138.8	6,137.9	0.00	0.00	0.00
15,700.0	90.00	89.88	9,950.0	-448.4	6,238.8	6,237.9	0.00	0.00	0.00
15,800.0	90.00	89.88	9,950.0	-448.2	6,338.8	6,337.9	0.00	0.00	0.00
15,900.0	90.00	89.88	9,950.0	-448.0	6,438.8	6,437.9	0.00	0.00	0.00
16,000.0	90.00	89.88	9,950.0	-447.8	6,538.8	6,537.9	0.00	0.00	0.00
16,100.0	90.00	89.88	9,950.0	-447.6	6,638.8	6,637.9	0.00	0.00	0.00
16,200.0	90.00	89.88	9,950.0	-447.4	6,738.8	6,737.9	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #224H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #224H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,300.0	90.00	89.88	9,950.0	-447.1	6,838.8	6,837.9	0.00	0.00	0.00
16,400.0	90.00	89.88	9,950.0	-446.9	6,938.8	6,937.9	0.00	0.00	0.00
16,500.0	90.00	89.88	9,950.0	-446.7	7,038.8	7,037.9	0.00	0.00	0.00
16,600.0	90.00	89.88	9,950.0	-446.5	7,138.8	7,137.9	0.00	0.00	0.00
16,700.0	90.00	89.88	9,950.0	-446.3	7,238.8	7,237.9	0.00	0.00	0.00
16,800.0	90.00	89.88	9,950.0	-446.1	7,338.8	7,337.9	0.00	0.00	0.00
16,900.0	90.00	89.88	9,950.0	-445.9	7,438.8	7,437.9	0.00	0.00	0.00
17,000.0	90.00	89.88	9,950.0	-445.7	7,538.8	7,537.9	0.00	0.00	0.00
17,100.0	90.00	89.88	9,950.0	-445.5	7,638.8	7,637.9	0.00	0.00	0.00
17,200.0	90.00	89.88	9,950.0	-445.3	7,738.8	7,737.9	0.00	0.00	0.00
17,300.0	90.00	89.88	9,950.0	-445.1	7,838.8	7,837.9	0.00	0.00	0.00
17,400.0	90.00	89.88	9,950.0	-444.9	7,938.8	7,937.9	0.00	0.00	0.00
17,500.0	90.00	89.88	9,950.0	-444.7	8,038.8	8,037.9	0.00	0.00	0.00
17,600.0	90.00	89.88	9,950.0	-444.4	8,138.8	8,137.9	0.00	0.00	0.00
17,700.0	90.00	89.88	9,950.0	-444.2	8,238.8	8,237.9	0.00	0.00	0.00
17,800.0	90.00	89.88	9,950.0	-444.0	8,338.8	8,337.9	0.00	0.00	0.00
17,900.0	90.00	89.88	9,950.0	-443.8	8,438.8	8,437.9	0.00	0.00	0.00
18,000.0	90.00	89.88	9,950.0	-443.6	8,538.8	8,537.9	0.00	0.00	0.00
18,100.0	90.00	89.88	9,950.0	-443.4	8,638.8	8,637.9	0.00	0.00	0.00
18,200.0	90.00	89.88	9,950.0	-443.2	8,738.8	8,737.9	0.00	0.00	0.00
18,300.0	90.00	89.88	9,950.0	-443.0	8,838.8	8,837.9	0.00	0.00	0.00
18,400.0	90.00	89.88	9,950.0	-442.8	8,938.8	8,937.9	0.00	0.00	0.00
18,500.0	90.00	89.88	9,950.0	-442.6	9,038.8	9,037.9	0.00	0.00	0.00
18,600.0	90.00	89.88	9,950.0	-442.4	9,138.8	9,137.9	0.00	0.00	0.00
18,700.0	90.00	89.88	9,950.0	-442.2	9,238.8	9,237.9	0.00	0.00	0.00
18,800.0	90.00	89.88	9,950.0	-442.0	9,338.8	9,337.9	0.00	0.00	0.00
18,900.0	90.00	89.88	9,950.0	-441.7	9,438.8	9,437.9	0.00	0.00	0.00
19,000.0	90.00	89.88	9,950.0	-441.5	9,538.8	9,537.9	0.00	0.00	0.00
19,100.0	90.00	89.88	9,950.0	-441.3	9,638.8	9,637.9	0.00	0.00	0.00
19,200.0	90.00	89.88	9,950.0	-441.1	9,738.8	9,737.9	0.00	0.00	0.00
19,300.0	90.00	89.88	9,950.0	-440.9	9,838.8	9,837.9	0.00	0.00	0.00
19,400.0	90.00	89.88	9,950.0	-440.7	9,938.8	9,937.9	0.00	0.00	0.00
19,500.0	90.00	89.88	9,950.0	-440.5	10,038.8	10,037.9	0.00	0.00	0.00
19,600.0	90.00	89.88	9,950.0	-440.3	10,138.8	10,137.9	0.00	0.00	0.00
19,700.0	90.00	89.88	9,950.0	-440.1	10,238.8	10,237.9	0.00	0.00	0.00
19,800.0	90.00	89.88	9,950.0	-439.9	10,338.8	10,337.9	0.00	0.00	0.00
19,900.0	90.00	89.88	9,950.0	-439.7	10,438.8	10,437.9	0.00	0.00	0.00
20,000.0	90.00	89.88	9,950.0	-439.5	10,538.8	10,537.9	0.00	0.00	0.00
20,100.0	90.00	89.88	9,950.0	-439.2	10,638.8	10,637.9	0.00	0.00	0.00
20,200.0	90.00	89.88	9,950.0	-439.0	10,738.8	10,737.9	0.00	0.00	0.00
20,220.2	90.00	89.88	9,950.0	-439.0	10,759.0	10,758.1	0.00	0.00	0.00
TD at 20220.2 - BHL - R Wilson Fed Com #224H									

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #224H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #224H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM 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 - R Wilson Fed Cor - plan hits target center - Point	0.00	0.01	9,377.0	-211.0	295.0	467,394.00	550,561.00	32° 17' 5.556 N	104° 10' 11.002 W
FTP - R Wilson Fed Con - plan hits target center - Point	0.00	0.00	9,949.9	-358.9	845.0	467,246.11	551,111.00	32° 17' 4.085 N	104° 10' 4.598 W
BHL - R Wilson Fed Con - plan hits target center - Point	0.00	0.00	9,950.0	-439.0	10,759.0	467,166.00	561,025.00	32° 17' 3.126 N	104° 8' 9.110 W

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
127.0	127.0	Rustler			
300.0	300.0	Salado			
2,223.4	2,218.0	Lamar			
2,282.0	2,276.0	Bell Cyn			
3,028.3	3,015.0	Cherry Cyn			
4,133.4	4,110.0	Brushy Cyn			
5,331.8	5,308.0	Lower Brushy Cyn			
5,653.8	5,630.0	BSGL			
5,986.8	5,963.0	Avalon Shale			
6,068.8	6,045.0	Avalon Carb			
6,430.8	6,407.0	FBSC			
6,715.8	6,692.0	FBSG			
6,998.8	6,975.0	SBSC			
7,285.8	7,262.0	SBSC			
7,445.8	7,422.0	TBSC			
8,713.8	8,690.0	TBSG			
9,062.8	9,039.0	WFMP A			
9,384.8	9,361.0	WFMP B			

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
1,400.0	1,400.0	0.0	0.0	Start Build 2.00
1,800.0	1,798.7	-16.2	22.7	Start 2138.6 hold at 1800.0 MD
3,938.6	3,916.5	-189.4	264.8	Start Drop -1.50
4,472.0	4,448.1	-211.0	295.0	Start 4928.9 hold at 4472.0 MD
9,400.8	9,377.0	-211.0	295.0	Start Build 10.00
10,300.8	9,950.0	-359.8	848.3	Start DLS 2.00 TFO -90.00
11,059.3	9,950.0	-458.0	1,598.1	Start 9160.9 hold at 11059.3 MD
20,220.2	9,950.0	-439.0	10,759.0	TD at 20220.2