

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 378988

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240		2. OGRID Number 228937
		3. API Number 30-025-54185
4. Property Code 336587	5. Property Name ROGER DONLON	6. Well No. 129H

7. Surface Location

UL - Lot A	Section 15	Township 25S	Range 34E	Lot Idn A	Feet From 151	N/S Line N	Feet From 440	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot B	Section 15	Township 25S	Range 34E	Lot Idn B	Feet From 110	N/S Line N	Feet From 2306	E/W Line E	County Lea
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9. Pool Information

RED HILLS; LOWER BONE SPRING	51020
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3333
16. Multiple N	17. Proposed Depth 21635	18. Formation Bone Spring	19. Contractor	20. Spud Date 12/31/2024
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	877	577	0
Int1	9.875	7.625	29.7	10289	972	0
Prod	6.75	5.5	20	21635	777	10089

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

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

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature: _____ Printed Name: Electronically filed by Brett A Jennings Title: Regulatory Analyst Email Address: brett.jennings@matadorresources.com Date: 12/9/2024 Phone: 972-629-2160	OIL CONSERVATION DIVISION Approved By: Paul F Kautz Title: Geologist Approved Date: 1/2/2025 Expiration Date: 1/2/2027 Conditions of Approval Attached
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C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☒ Initial Submittal
			☐ Amended Report
		☐ As Drilled	

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 51020	Pool Name RED HILLS; LOWER BONE SPRING
Property Code	Property Name ROGER DONLON	Well Number 129H
OGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 3333'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
A	15	25-S	34-E	-	151' N	440' E	N 32.1373502	W 103.4507239	LEA

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
B	15	25-S	34-E	-	110' N	2306' E	N 32.1374680	W 103.4567536	LEA

Dedicated Acres 320	Infill or Defining Well -	Defining Well API -	Overlapping Spacing Unit (Y/N) -	Consolidated Code
Order Numbers			Well Setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
A	15	25-S	34-E	-	50' N	990' E	N 32.1376283	W 103.4525010	LEA

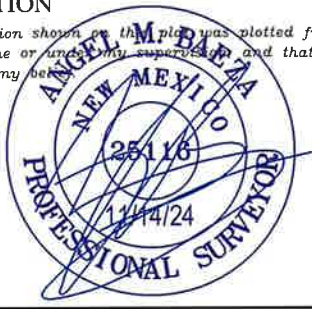
First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
A	15	25-S	34-E	-	100' N	990' E	N 32.1374909	W 103.4525008	LEA

Last Take Point (LTP)

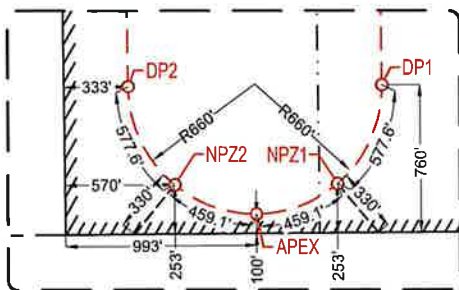
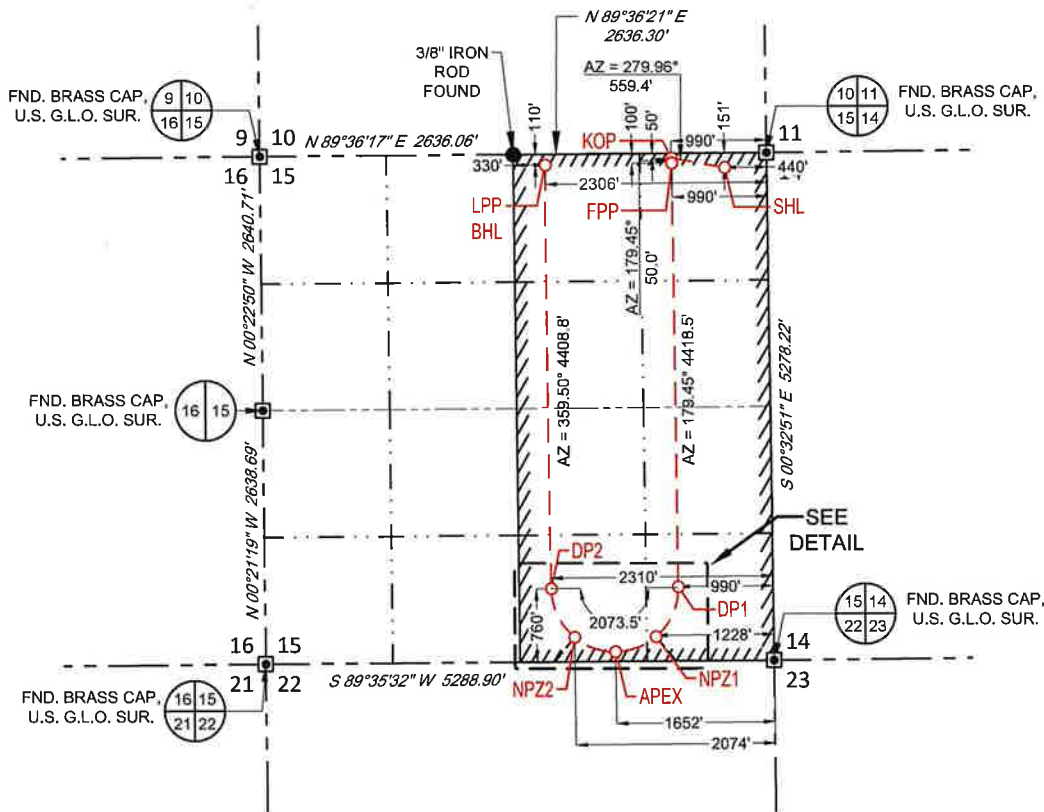
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
B	15	25-S	34-E	-	110' N	2306' E	N 32.1374680	W 103.4567536	LEA

Unitized Area or Area of Uniform Intrest -	Spacing Unity Type ☐ Horizontal ☐ Vertical	Ground Floor Elevation
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OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i> Signature: <u>David W. Johns</u> Date: <u>11/14/24</u> Print Name: <u>djohns@matadorresources.com</u> E-mail Address: <u>djohns@matadorresources.com</u>	SURVEYORS CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor: _____ Date: _____ Certificate Number: _____ Date of Survey: <u>10/25/2024</u>
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SECTION 15, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



SCALE: 1" = 2000'
0' 1000' 2000'

LEASE NAME & WELL NO.: ROGER DONLON 129H
SECTION 15 TWP 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 151' FNL & 440' FEL

DISTANCE & DIRECTION
FROM INT. OF DELAWARE BASIN RD. & NM-128 E. GO EAST ON NM-128 E
±6.6 MILES, THENCE SOUTHWEST (RIGHT) ON BATTLE AXE RD. ±5.5
MILES, THENCE SOUTHEAST (LEFT) ON A LEASE RD. ±0.4 MILES,
THENCE NORTHEAST (LEFT) ON A LEASE RD. ±0.1 MILES TO A POINT
±225 FEET SOUTHWEST OF THE LOCATION.

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

SURFACE LOCATION (SHL)
NEW MEXICO EAST
NAD 1983
X=814532 Y=414823
LAT.: N 32.1373502
LONG.: W 103.4507239
151' FNL 440' FEL

KICK OFF POINT (KOP)
NEW MEXICO EAST
NAD 1983
X=813981 Y=414920
LAT.: N 32.1376283
LONG.: W 103.4525010
50' FNL 990' FEL

FIRST PERF. POINT (FPP)
NEW MEXICO EAST
NAD 1983
X=813982 Y=414870
LAT.: N 32.1374909
LONG.: W 103.4525008
100' FNL 990' FEL

DEFLECTION POINT (DP1)
NEW MEXICO EAST
NAD 1983
X=814024 Y=410452
LAT.: N 32.1253458
LONG.: W 103.4524811
760' FSL 990' FEL

NON PERF. ZONE (NPZ1)
NEW MEXICO EAST
NAD 1983
X=813790 Y=409943
LAT.: N 32.1239538
LONG.: W 103.4532485
253' FSL 1228' FEL

U-TURN APEX (APEX)
NEW MEXICO EAST
NAD 1983
X=813368 Y=409787
LAT.: N 32.1235336
LONG.: W 103.4546152
100' FSL 1652' FEL

NON PERF. ZONE (NPZ2)
NEW MEXICO EAST
NAD 1983
X=812944 Y=409937
LAT.: N 32.1239562
LONG.: W 103.4559808
253' FSL 2074' FEL

DEFLECTION POINT (DP2)
NEW MEXICO EAST
NAD 1983
X=812704 Y=410442
LAT.: N 32.1253496
LONG.: W 103.4567448
760' FSL 2310' FEL

LAST PERF. POINT (LPP)
BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=812665 Y=414851
LAT.: N 32.1374680
LONG.: W 103.4567536
110' FNL 2306' FEL



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



481 WINSOFT 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

LEGEND

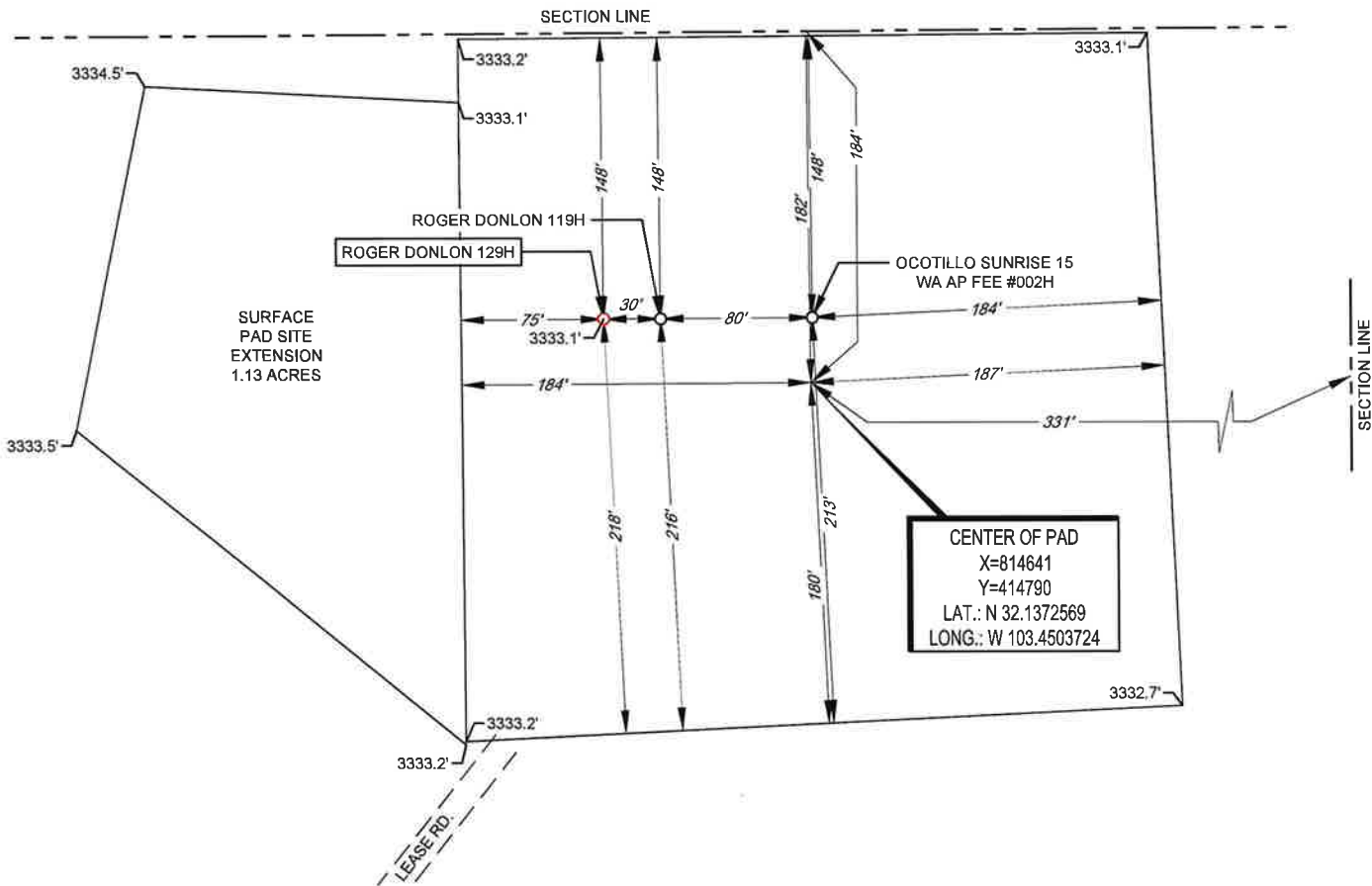
SECTION LINE

ROAD WAY



DETAIL VIEW
SCALE: 1" = 100'

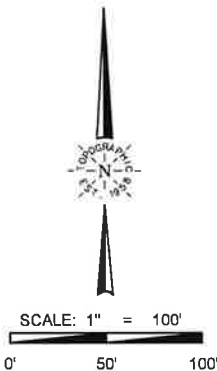
SECTION 15, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



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

LEASE NAME & WELL NO.: ROGER DONLON 129H
129H LATITUDE N 32.1373502 129H LONGITUDE W 103.4507239

CENTER OF PAD IS 184' FNL & 331' 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 NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

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

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

TOPOGRAPHIC

LOYALTY INNOVATION LEGACY

481 WINSOTT 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
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S:\SURVEY\MATADOR_RESOURCES\ROGER_DONLON_INFRASTRUCTURE\FINAL_PRODUCTS\SLO_ROGER_DONLON_129H.DWG 11/14/2024 4:40:16 PM mike.waller

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

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

Form APD Comments

Permit 378988

PERMIT COMMENTS

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240		API Number: 30-025-54185
		Well: ROGER DONLON #129H
Created By	Comment	Comment Date
pkautz	HOLD OPERATOR IS OUT OF COMPLIANCE WITH INACTIVE WELLS.	12/20/2024

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Phone: (505) 476-3441

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

Form APD Conditions
Permit 378988

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-025-54185
	Well: ROGER DONLON #129H

OCD Reviewer	Condition
pkautz	File As Drilled C-102 and a directional Survey with C-104 completion packet.
pkautz	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.
pkautz	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.
pkautz	Notify the OCD 24 hours prior to casing & cement.
pkautz	Cement is required to circulate on both surface and intermediate 1 strings of casing.
pkautz	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
pkautz	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.

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: 11/13/2024

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
Roger Donlon 119H	TBD	A-15-25S-34E	151' FNL & 410' FEL	900	1200	1500
Roger Donlon 129H	TBD	A-15-25S-34E	151' FNL & 440' FEL	900	1200	1500

IV. Central Delivery Point Name: Ocotillo TB [Sec 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
Roger Donlon 119H	TBD	12/15/2024	01/13/2025	03/25/2025	05/04/2025	05/04/2025
Roger Donlon 129H	TBD	01/14/2025	02/12/2025	03/15/2025	05/08/2025	05/08/2025

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications**Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

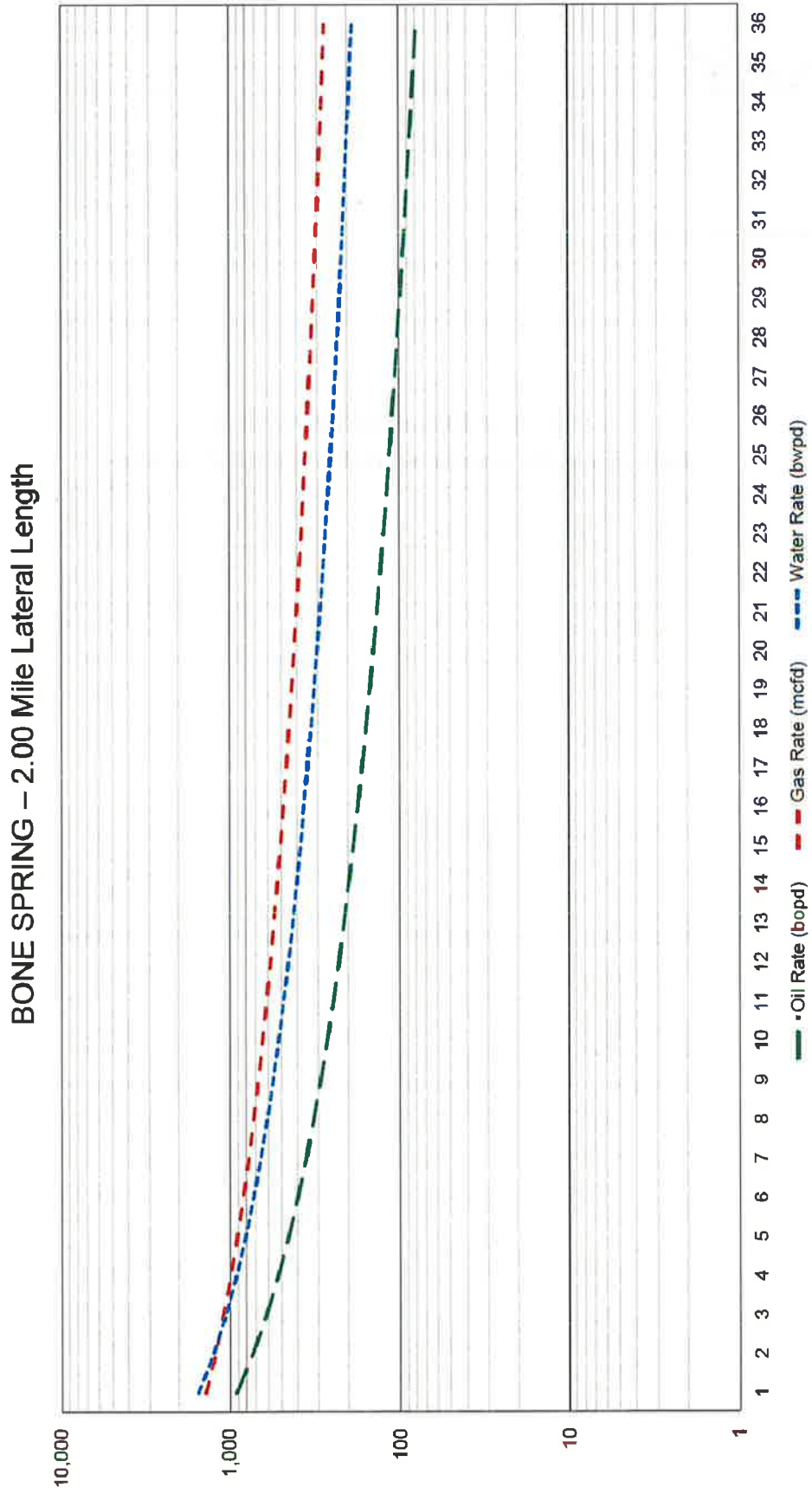
(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: 
Printed Name: Oscar Gonzalez
Title: Production Engineer
E-mail Address: ogonzalez@matadorresources.com
Date: 11/13/2024
Phone: 972 – 629 – 2147
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

Roger Donlon 119H, Roger Donlon 129H

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
Roger Donlon 119H	900	1200	1500
Roger Donlon 129H	900	1200	1500

VII. Operation Practices

Although not a complete recitation of all our efforts to comply with a subsection A through F of 19.15.27.8 NMAC, a summary is as follows. During drilling, Matador will have a properly sized flare stack at least 100 feet from the nearest surface hole. During initial flowback we will route the flowback fluids into completion or storage tanks and, to the extent possible, flare rather than vent any gas. We will commence operation of a separator as soon as technically feasible, and have instructed our team that we want to connect the gas to sales as soon as possible but not later than 30 days after initial flowback.

Regarding production operations, we have designed our production facilities to be compliant with the requirements of Part E of 19.15.27.8 NMAC. We will instruct our team to perform the AVOs on the frequency required under the rules. While the well is producing, we will take steps to minimize flaring during maintenance, as set forth below, and we have a process in place for the measuring of any flared gas and the reporting of any reportable flaring events.

VII. Best Management Practices

Steps are taken to minimize venting during active or planned maintenance when technically feasible including:

- Isolating the affected component and reducing pressure through process piping
- Blowing down the equipment being maintained to a control device

- Performing preventative maintenance and minimizing the duration of maintenance activities
- Shutting in sources of supply as possible
- Other steps that are available depending on the maintenance being performed

Well Name: Roger Donlon #119H										
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	877	0	577	0	Option to drill surface hole with surface setting rig and offline cement surface casing
INT 1	Diesel brine emulsion	9.875	7.625	P-110	29.70	10289	0	972	0	Option to run DV tool and Packer.
PROD	Cut Brine/OBM	6.75	5.5	P-110	20.00	21635	0	777	10089	

Matador Production Company

**Antelope Ridge
Roger Donlon
Roger Donlon #129H**

Wellbore #1

Plan: State Plan #1

Standard Planning Report

07 November, 2024

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Roger Donlon #129H
Company:	Matador Production Company	TVD Reference:	KB @ 3361.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3361.5usft
Site:	Roger Donlon	North Reference:	Grid
Well:	Roger Donlon #129H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Project	Antelope Ridge		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		Using geodetic scale factor

Site	Roger Donlon					
Site Position:		Northing:	414,765.03 usft	Latitude:	32° 8' 14.008 N	
From:	Lat/Long	Easting:	773,375.84 usft	Longitude:	103° 27' 0.569 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 °

Well	Roger Donlon #129H					
Well Position	+N/-S	-0.1 usft	Northing:	414,764.97 usft	Latitude:	32° 8' 14.010 N
	+E/-W	-30.1 usft	Easting:	773,345.78 usft	Longitude:	103° 27' 0.919 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,333.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2009	7.70	60.16	48,724.28285944

Design	State Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.44

Plan Survey Tool Program	Date	11/7/2024		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	21,635.3	State Plan #1 (Wellbore #1)	MWD
				OWSG MWD - Standard

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Roger Donlon #129H
Company:	Matador Production Company	TVD Reference:	KB @ 3361.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3361.5usft
Site:	Roger Donlon	North Reference:	Grid
Well:	Roger Donlon #129H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,900.0	8.00	279.99	1,898.7	4.8	-27.5	2.00	2.00	0.00	279.99	
5,451.3	8.00	279.99	5,415.5	90.6	-514.2	0.00	0.00	0.00	0.00	
5,984.7	0.00	0.00	5,947.1	97.0	-550.8	1.50	-1.50	0.00	180.00	
10,389.6	0.00	0.00	10,352.0	97.0	-550.8	0.00	0.00	0.00	0.00	KOP - Roger Donlon ;
11,289.6	90.00	179.55	10,925.0	-475.9	-546.3	10.00	10.00	0.00	179.55	
15,174.8	90.00	179.55	10,925.0	-4,361.0	-515.8	0.00	0.00	0.00	0.00	DP1 - Roger Donlon #
17,236.1	90.00	359.58	10,925.0	-4,370.9	-1,827.8	8.73	0.00	-8.73	90.00	DP2 - Roger Donlon #
21,635.3	90.00	359.58	10,925.0	28.1	-1,859.7	0.00	0.00	0.00	0.00	BHL - Roger Donlon #

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Roger Donlon #129H
Company:	Matador Production Company	TVD Reference:	KB @ 3361.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3361.5usft
Site:	Roger Donlon	North Reference:	Grid
Well:	Roger Donlon #129H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
802.0	0.00	0.00	802.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
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
1,317.6	0.00	0.00	1,317.6	0.0	0.0	0.0	0.00	0.00	0.00
Salado									
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,600.0	2.00	279.99	1,600.0	0.3	-1.7	0.3	2.00	2.00	0.00
1,700.0	4.00	279.99	1,699.8	1.2	-6.9	1.3	2.00	2.00	0.00
1,800.0	6.00	279.99	1,799.5	2.7	-15.5	2.9	2.00	2.00	0.00
1,900.0	8.00	279.99	1,898.7	4.8	-27.5	5.1	2.00	2.00	0.00
Start 3551.3 hold at 1900.0 MD									
2,000.0	8.00	279.99	1,997.7	7.3	-41.2	7.7	0.00	0.00	0.00
2,100.0	8.00	279.99	2,096.8	9.7	-54.9	10.2	0.00	0.00	0.00
2,200.0	8.00	279.99	2,195.8	12.1	-68.6	12.8	0.00	0.00	0.00
2,300.0	8.00	279.99	2,294.8	14.5	-82.3	15.3	0.00	0.00	0.00
2,400.0	8.00	279.99	2,393.8	16.9	-96.0	17.8	0.00	0.00	0.00
2,500.0	8.00	279.99	2,492.9	19.3	-109.7	20.4	0.00	0.00	0.00
2,600.0	8.00	279.99	2,591.9	21.7	-123.4	22.9	0.00	0.00	0.00
2,700.0	8.00	279.99	2,690.9	24.2	-137.1	25.5	0.00	0.00	0.00
2,800.0	8.00	279.99	2,789.9	26.6	-150.8	28.0	0.00	0.00	0.00
2,900.0	8.00	279.99	2,889.0	29.0	-164.5	30.6	0.00	0.00	0.00
3,000.0	8.00	279.99	2,988.0	31.4	-178.2	33.1	0.00	0.00	0.00
3,100.0	8.00	279.99	3,087.0	33.8	-191.9	35.7	0.00	0.00	0.00
3,200.0	8.00	279.99	3,186.1	36.2	-205.6	38.2	0.00	0.00	0.00
3,300.0	8.00	279.99	3,285.1	38.6	-219.3	40.8	0.00	0.00	0.00
3,400.0	8.00	279.99	3,384.1	41.1	-233.1	43.3	0.00	0.00	0.00
3,500.0	8.00	279.99	3,483.1	43.5	-246.8	45.9	0.00	0.00	0.00
3,547.3	8.00	279.99	3,530.0	44.6	-253.2	47.1	0.00	0.00	0.00
Castile (T)									
3,600.0	8.00	279.99	3,582.2	45.9	-260.5	48.4	0.00	0.00	0.00
3,700.0	8.00	279.99	3,681.2	48.3	-274.2	51.0	0.00	0.00	0.00
3,800.0	8.00	279.99	3,780.2	50.7	-287.9	53.5	0.00	0.00	0.00
3,900.0	8.00	279.99	3,879.2	53.1	-301.6	56.1	0.00	0.00	0.00
4,000.0	8.00	279.99	3,978.3	55.5	-315.3	58.6	0.00	0.00	0.00
4,100.0	8.00	279.99	4,077.3	58.0	-329.0	61.2	0.00	0.00	0.00
4,200.0	8.00	279.99	4,176.3	60.4	-342.7	63.7	0.00	0.00	0.00
4,300.0	8.00	279.99	4,275.3	62.8	-356.4	66.3	0.00	0.00	0.00
4,400.0	8.00	279.99	4,374.4	65.2	-370.1	68.8	0.00	0.00	0.00
4,500.0	8.00	279.99	4,473.4	67.6	-383.8	71.4	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Roger Donlon #129H
Company:	Matador Production Company	TVD Reference:	KB @ 3361.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3361.5usft
Site:	Roger Donlon	North Reference:	Grid
Well:	Roger Donlon #129H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,600.0	8.00	279.99	4,572.4	70.0	-397.5	73.9	0.00	0.00	0.00
4,700.0	8.00	279.99	4,671.5	72.4	-411.2	76.5	0.00	0.00	0.00
4,800.0	8.00	279.99	4,770.5	74.9	-424.9	79.0	0.00	0.00	0.00
4,900.0	8.00	279.99	4,869.5	77.3	-438.6	81.6	0.00	0.00	0.00
5,000.0	8.00	279.99	4,968.5	79.7	-452.4	84.1	0.00	0.00	0.00
5,100.0	8.00	279.99	5,067.6	82.1	-466.1	86.7	0.00	0.00	0.00
5,200.0	8.00	279.99	5,166.6	84.5	-479.8	89.2	0.00	0.00	0.00
5,300.0	8.00	279.99	5,265.6	86.9	-493.5	91.8	0.00	0.00	0.00
5,400.0	8.00	279.99	5,364.6	89.4	-507.2	94.3	0.00	0.00	0.00
5,447.1	8.00	279.99	5,411.3	90.5	-513.6	95.5	0.00	0.00	0.00
G30:CS14-CSB									
5,451.3	8.00	279.99	5,415.5	90.6	-514.2	95.6	0.00	0.00	0.00
Start Drop -1.50									
5,500.0	7.27	279.99	5,463.7	91.7	-520.6	96.8	1.50	-1.50	0.00
5,504.9	7.20	279.99	5,468.6	91.8	-521.2	96.9	1.50	-1.50	0.00
G26: Bell Cyn.									
5,600.0	5.77	279.99	5,563.1	93.7	-531.8	98.9	1.50	-1.50	0.00
5,700.0	4.27	279.99	5,662.7	95.2	-540.4	100.5	1.50	-1.50	0.00
5,800.0	2.77	279.99	5,762.5	96.3	-546.4	101.6	1.50	-1.50	0.00
5,900.0	1.27	279.99	5,862.4	96.9	-549.9	102.2	1.50	-1.50	0.00
5,984.7	0.00	0.00	5,947.1	97.0	-550.8	102.4	1.50	-1.50	0.00
Start 4404.9 hold at 5984.7 MD									
6,000.0	0.00	0.00	5,962.4	97.0	-550.8	102.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,062.4	97.0	-550.8	102.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,162.4	97.0	-550.8	102.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,262.4	97.0	-550.8	102.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,362.4	97.0	-550.8	102.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,462.4	97.0	-550.8	102.4	0.00	0.00	0.00
6,596.5	0.00	0.00	6,558.9	97.0	-550.8	102.4	0.00	0.00	0.00
G16: Manzanita									
6,600.0	0.00	0.00	6,562.4	97.0	-550.8	102.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,662.4	97.0	-550.8	102.4	0.00	0.00	0.00
6,711.1	0.00	0.00	6,673.5	97.0	-550.8	102.4	0.00	0.00	0.00
G13: Cherry Cyn.									
6,800.0	0.00	0.00	6,762.4	97.0	-550.8	102.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,862.4	97.0	-550.8	102.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,962.4	97.0	-550.8	102.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,062.4	97.0	-550.8	102.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,162.4	97.0	-550.8	102.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,262.4	97.0	-550.8	102.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,362.4	97.0	-550.8	102.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,462.4	97.0	-550.8	102.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,562.4	97.0	-550.8	102.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,662.4	97.0	-550.8	102.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,762.4	97.0	-550.8	102.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,862.4	97.0	-550.8	102.4	0.00	0.00	0.00
7,994.2	0.00	0.00	7,956.6	97.0	-550.8	102.4	0.00	0.00	0.00
G7: Brushy Cyn.									
8,000.0	0.00	0.00	7,962.4	97.0	-550.8	102.4	0.00	0.00	0.00
8,100.0	0.00	0.00	8,062.4	97.0	-550.8	102.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,162.4	97.0	-550.8	102.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,262.4	97.0	-550.8	102.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,362.4	97.0	-550.8	102.4	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Roger Donlon #129H
Company:	Matador Production Company	TVD Reference:	KB @ 3361.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3361.5usft
Site:	Roger Donlon	North Reference:	Grid
Well:	Roger Donlon #129H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,500.0	0.00	0.00	8,462.4	97.0	-550.8	102.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,562.4	97.0	-550.8	102.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,662.4	97.0	-550.8	102.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,762.4	97.0	-550.8	102.4	0.00	0.00	0.00
8,900.0	0.00	0.00	8,862.4	97.0	-550.8	102.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,962.4	97.0	-550.8	102.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,062.4	97.0	-550.8	102.4	0.00	0.00	0.00
9,148.9	0.00	0.00	9,111.3	97.0	-550.8	102.4	0.00	0.00	0.00
G5: L. Brushy Cyn.									
9,200.0	0.00	0.00	9,162.4	97.0	-550.8	102.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,262.4	97.0	-550.8	102.4	0.00	0.00	0.00
9,326.1	0.00	0.00	9,288.5	97.0	-550.8	102.4	0.00	0.00	0.00
G4: BSG (CS9)									
9,370.3	0.00	0.00	9,332.7	97.0	-550.8	102.4	0.00	0.00	0.00
L8.2: U. Avalon Shale									
9,400.0	0.00	0.00	9,362.4	97.0	-550.8	102.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,462.4	97.0	-550.8	102.4	0.00	0.00	0.00
9,600.0	0.00	0.00	9,562.4	97.0	-550.8	102.4	0.00	0.00	0.00
9,601.3	0.00	0.00	9,563.7	97.0	-550.8	102.4	0.00	0.00	0.00
L6.3: Avalon Carb									
9,700.0	0.00	0.00	9,662.4	97.0	-550.8	102.4	0.00	0.00	0.00
9,800.0	0.00	0.00	9,762.4	97.0	-550.8	102.4	0.00	0.00	0.00
9,900.0	0.00	0.00	9,862.4	97.0	-550.8	102.4	0.00	0.00	0.00
10,000.0	0.00	0.00	9,962.4	97.0	-550.8	102.4	0.00	0.00	0.00
10,100.0	0.00	0.00	10,062.4	97.0	-550.8	102.4	0.00	0.00	0.00
10,200.0	0.00	0.00	10,162.4	97.0	-550.8	102.4	0.00	0.00	0.00
10,244.8	0.00	0.00	10,207.2	97.0	-550.8	102.4	0.00	0.00	0.00
L6.2: L. Avalon Shale									
10,300.0	0.00	0.00	10,262.4	97.0	-550.8	102.4	0.00	0.00	0.00
10,364.9	0.00	0.00	10,327.3	97.0	-550.8	102.4	0.00	0.00	0.00
L5.1: FBSG									
10,389.6	0.00	0.00	10,352.0	97.0	-550.8	102.4	0.00	0.00	0.00
Start Build 10.00 - KOP - Roger Donlon #129H									
10,400.0	1.04	179.55	10,362.4	96.9	-550.8	102.3	10.00	10.00	0.00
10,430.9	4.13	179.55	10,393.3	95.6	-550.8	100.9	10.00	10.00	0.00
M. FBSG									
10,500.0	11.04	179.55	10,461.7	86.4	-550.7	91.8	10.00	10.00	0.00
10,514.3	12.47	179.55	10,475.7	83.5	-550.7	88.9	10.00	10.00	0.00
L. FBSG									
10,596.8	20.72	179.55	10,554.7	60.0	-550.5	65.3	10.00	10.00	0.00
L4.3: SBSC									
10,600.0	21.04	179.55	10,557.7	58.8	-550.5	64.2	10.00	10.00	0.00
10,630.8	24.12	179.55	10,586.2	47.0	-550.4	52.4	10.00	10.00	0.00
FPP - Roger Donlon #129H									
10,700.0	31.04	179.55	10,647.4	15.0	-550.2	20.4	10.00	10.00	0.00
10,800.0	41.04	179.55	10,728.2	-43.8	-549.7	-38.4	10.00	10.00	0.00
10,900.0	51.04	179.55	10,797.5	-115.7	-549.2	-110.3	10.00	10.00	0.00
11,000.0	61.04	179.55	10,853.3	-198.5	-548.5	-193.1	10.00	10.00	0.00
11,011.0	62.14	179.55	10,858.6	-208.2	-548.4	-202.8	10.00	10.00	0.00
L4.1: SBSC									
11,100.0	71.04	179.55	10,893.9	-289.8	-547.8	-284.4	10.00	10.00	0.00
11,200.0	81.04	179.55	10,918.0	-386.7	-547.0	-381.3	10.00	10.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Roger Donlon #129H
Company:	Matador Production Company	TVD Reference:	KB @ 3361.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3361.5usft
Site:	Roger Donlon	North Reference:	Grid
Well:	Roger Donlon #129H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,289.6	90.00	179.55	10,925.0	-475.9	-546.3	-470.5	10.00	10.00	0.00
Start 3885.2 hold at 11289.6 MD									
11,300.0	90.00	179.55	10,925.0	-486.3	-546.2	-480.9	0.00	0.00	0.00
11,400.0	90.00	179.55	10,925.0	-586.3	-545.5	-580.9	0.00	0.00	0.00
11,500.0	90.00	179.55	10,925.0	-686.3	-544.7	-680.9	0.00	0.00	0.00
11,600.0	90.00	179.55	10,925.0	-786.3	-543.9	-780.9	0.00	0.00	0.00
11,700.0	90.00	179.55	10,925.0	-886.3	-543.1	-880.9	0.00	0.00	0.00
11,800.0	90.00	179.55	10,925.0	-986.3	-542.3	-980.9	0.00	0.00	0.00
11,900.0	90.00	179.55	10,925.0	-1,086.3	-541.5	-1,080.9	0.00	0.00	0.00
12,000.0	90.00	179.55	10,925.0	-1,186.3	-540.7	-1,180.9	0.00	0.00	0.00
12,100.0	90.00	179.55	10,925.0	-1,286.3	-540.0	-1,280.9	0.00	0.00	0.00
12,200.0	90.00	179.55	10,925.0	-1,386.3	-539.2	-1,380.9	0.00	0.00	0.00
12,300.0	90.00	179.55	10,925.0	-1,486.3	-538.4	-1,480.9	0.00	0.00	0.00
12,400.0	90.00	179.55	10,925.0	-1,586.3	-537.6	-1,580.9	0.00	0.00	0.00
12,500.0	90.00	179.55	10,925.0	-1,686.3	-536.8	-1,680.9	0.00	0.00	0.00
12,600.0	90.00	179.55	10,925.0	-1,786.3	-536.0	-1,780.9	0.00	0.00	0.00
12,700.0	90.00	179.55	10,925.0	-1,886.3	-535.2	-1,880.9	0.00	0.00	0.00
12,800.0	90.00	179.55	10,925.0	-1,986.3	-534.5	-1,980.9	0.00	0.00	0.00
12,900.0	90.00	179.55	10,925.0	-2,086.3	-533.7	-2,080.9	0.00	0.00	0.00
13,000.0	90.00	179.55	10,925.0	-2,186.3	-532.9	-2,180.9	0.00	0.00	0.00
13,100.0	90.00	179.55	10,925.0	-2,286.3	-532.1	-2,280.9	0.00	0.00	0.00
13,200.0	90.00	179.55	10,925.0	-2,386.2	-531.3	-2,380.9	0.00	0.00	0.00
13,300.0	90.00	179.55	10,925.0	-2,486.2	-530.5	-2,480.9	0.00	0.00	0.00
13,400.0	90.00	179.55	10,925.0	-2,586.2	-529.7	-2,580.9	0.00	0.00	0.00
13,500.0	90.00	179.55	10,925.0	-2,686.2	-529.0	-2,680.9	0.00	0.00	0.00
13,600.0	90.00	179.55	10,925.0	-2,786.2	-528.2	-2,780.9	0.00	0.00	0.00
13,700.0	90.00	179.55	10,925.0	-2,886.2	-527.4	-2,880.9	0.00	0.00	0.00
13,800.0	90.00	179.55	10,925.0	-2,986.2	-526.6	-2,980.9	0.00	0.00	0.00
13,900.0	90.00	179.55	10,925.0	-3,086.2	-525.8	-3,080.9	0.00	0.00	0.00
14,000.0	90.00	179.55	10,925.0	-3,186.2	-525.0	-3,180.9	0.00	0.00	0.00
14,100.0	90.00	179.55	10,925.0	-3,286.2	-524.2	-3,280.9	0.00	0.00	0.00
14,200.0	90.00	179.55	10,925.0	-3,386.2	-523.5	-3,380.9	0.00	0.00	0.00
14,300.0	90.00	179.55	10,925.0	-3,486.2	-522.7	-3,480.9	0.00	0.00	0.00
14,400.0	90.00	179.55	10,925.0	-3,586.2	-521.9	-3,580.9	0.00	0.00	0.00
14,500.0	90.00	179.55	10,925.0	-3,686.2	-521.1	-3,680.9	0.00	0.00	0.00
14,600.0	90.00	179.55	10,925.0	-3,786.2	-520.3	-3,780.9	0.00	0.00	0.00
14,700.0	90.00	179.55	10,925.0	-3,886.2	-519.5	-3,880.9	0.00	0.00	0.00
14,800.0	90.00	179.55	10,925.0	-3,986.2	-518.8	-3,980.9	0.00	0.00	0.00
14,900.0	90.00	179.55	10,925.0	-4,086.2	-518.0	-4,080.9	0.00	0.00	0.00
15,000.0	90.00	179.55	10,925.0	-4,186.2	-517.2	-4,180.9	0.00	0.00	0.00
15,100.0	90.00	179.55	10,925.0	-4,286.2	-516.4	-4,280.9	0.00	0.00	0.00
15,174.8	90.00	179.55	10,925.0	-4,361.0	-515.8	-4,355.8	0.00	0.00	0.00
Start DLS 8.73 TFO 90.00 - DP1 - Roger Donlon #129H									
15,200.0	90.00	181.75	10,925.0	-4,386.2	-516.1	-4,380.9	8.73	0.00	8.73
15,300.0	90.00	190.48	10,925.0	-4,485.5	-526.7	-4,480.2	8.73	0.00	8.73
15,400.0	90.00	199.22	10,925.0	-4,582.1	-552.3	-4,576.5	8.73	0.00	8.73
15,500.0	90.00	207.95	10,925.0	-4,673.6	-592.3	-4,667.6	8.73	0.00	8.73
15,600.0	90.00	216.69	10,925.0	-4,758.1	-645.7	-4,751.5	8.73	0.00	8.73
15,700.0	90.00	225.42	10,925.0	-4,833.4	-711.3	-4,826.2	8.73	0.00	8.73
15,779.3	90.00	232.35	10,925.0	-4,885.6	-771.1	-4,877.8	8.73	0.00	8.73
NPZ1 - Roger Donlon #129H									
15,800.0	90.00	234.15	10,925.0	-4,897.9	-787.6	-4,890.0	8.73	0.00	8.73
15,900.0	90.00	242.89	10,925.0	-4,950.1	-872.8	-4,941.3	8.73	0.00	8.73

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Roger Donlon #129H
Company:	Matador Production Company	TVD Reference:	KB @ 3361.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3361.5usft
Site:	Roger Donlon	North Reference:	Grid
Well:	Roger Donlon #129H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,000.0	90.00	251.62	10,925.0	-4,988.7	-965.0	-4,979.0	8.73	0.00	8.73
16,100.0	90.00	260.36	10,925.0	-5,012.9	-1,061.9	-5,002.3	8.73	0.00	8.73
16,200.0	90.00	269.09	10,925.0	-5,022.1	-1,161.4	-5,010.5	8.73	0.00	8.73
16,202.2	90.00	269.28	10,925.0	-5,022.1	-1,163.5	-5,010.5	8.73	0.00	8.73
Apex - Roger Donlon #129H									
16,300.0	90.00	277.82	10,925.0	-5,016.1	-1,261.1	-5,003.5	8.73	0.00	8.73
16,400.0	90.00	286.56	10,925.0	-4,995.0	-1,358.7	-4,981.4	8.73	0.00	8.73
16,500.0	90.00	295.29	10,925.0	-4,959.3	-1,452.1	-4,944.9	8.73	0.00	8.73
16,600.0	90.00	304.03	10,925.0	-4,909.8	-1,538.9	-4,894.6	8.73	0.00	8.73
16,649.3	90.00	308.33	10,925.0	-4,880.8	-1,578.6	-4,865.1	8.73	0.00	8.73
NP22 - Roger Donlon #129H									
16,700.0	90.00	312.76	10,925.0	-4,847.8	-1,617.2	-4,831.8	8.73	0.00	8.73
16,800.0	90.00	321.50	10,925.0	-4,774.6	-1,685.1	-4,757.9	8.73	0.00	8.73
16,900.0	90.00	330.23	10,925.0	-4,691.9	-1,741.2	-4,674.6	8.73	0.00	8.73
17,000.0	90.00	338.96	10,925.0	-4,601.6	-1,784.1	-4,584.0	8.73	0.00	8.73
17,100.0	90.00	347.70	10,925.0	-4,505.9	-1,812.7	-4,488.0	8.73	0.00	8.73
17,200.0	90.00	356.43	10,925.0	-4,407.0	-1,826.5	-4,388.9	8.73	0.00	8.73
17,236.1	90.00	359.58	10,925.0	-4,370.9	-1,827.8	-4,352.9	8.73	0.00	8.73
Start 4399.2 hold at 17236.1 MD - DP2 - Roger Donlon #129H									
17,300.0	90.00	359.58	10,925.0	-4,307.0	-1,828.2	-4,288.9	0.00	0.00	0.00
17,400.0	90.00	359.58	10,925.0	-4,207.0	-1,829.0	-4,189.0	0.00	0.00	0.00
17,500.0	90.00	359.58	10,925.0	-4,107.0	-1,829.7	-4,089.0	0.00	0.00	0.00
17,600.0	90.00	359.58	10,925.0	-4,007.0	-1,830.4	-3,989.0	0.00	0.00	0.00
17,700.0	90.00	359.58	10,925.0	-3,907.0	-1,831.1	-3,889.0	0.00	0.00	0.00
17,800.0	90.00	359.58	10,925.0	-3,807.0	-1,831.9	-3,789.0	0.00	0.00	0.00
17,900.0	90.00	359.58	10,925.0	-3,707.0	-1,832.6	-3,689.0	0.00	0.00	0.00
18,000.0	90.00	359.58	10,925.0	-3,607.0	-1,833.3	-3,589.0	0.00	0.00	0.00
18,100.0	90.00	359.58	10,925.0	-3,507.0	-1,834.0	-3,489.0	0.00	0.00	0.00
18,200.0	90.00	359.58	10,925.0	-3,407.0	-1,834.8	-3,389.0	0.00	0.00	0.00
18,300.0	90.00	359.58	10,925.0	-3,307.1	-1,835.5	-3,289.0	0.00	0.00	0.00
18,400.0	90.00	359.58	10,925.0	-3,207.1	-1,836.2	-3,189.0	0.00	0.00	0.00
18,500.0	90.00	359.58	10,925.0	-3,107.1	-1,836.9	-3,089.0	0.00	0.00	0.00
18,600.0	90.00	359.58	10,925.0	-3,007.1	-1,837.7	-2,989.0	0.00	0.00	0.00
18,700.0	90.00	359.58	10,925.0	-2,907.1	-1,838.4	-2,889.0	0.00	0.00	0.00
18,800.0	90.00	359.58	10,925.0	-2,807.1	-1,839.1	-2,789.0	0.00	0.00	0.00
18,900.0	90.00	359.58	10,925.0	-2,707.1	-1,839.8	-2,689.0	0.00	0.00	0.00
19,000.0	90.00	359.58	10,925.0	-2,607.1	-1,840.6	-2,589.0	0.00	0.00	0.00
19,100.0	90.00	359.58	10,925.0	-2,507.1	-1,841.3	-2,489.0	0.00	0.00	0.00
19,200.0	90.00	359.58	10,925.0	-2,407.1	-1,842.0	-2,389.0	0.00	0.00	0.00
19,300.0	90.00	359.58	10,925.0	-2,307.1	-1,842.7	-2,289.0	0.00	0.00	0.00
19,400.0	90.00	359.58	10,925.0	-2,207.1	-1,843.5	-2,189.0	0.00	0.00	0.00
19,500.0	90.00	359.58	10,925.0	-2,107.1	-1,844.2	-2,089.0	0.00	0.00	0.00
19,600.0	90.00	359.58	10,925.0	-2,007.1	-1,844.9	-1,989.0	0.00	0.00	0.00
19,700.0	90.00	359.58	10,925.0	-1,907.1	-1,845.6	-1,889.0	0.00	0.00	0.00
19,800.0	90.00	359.58	10,925.0	-1,807.1	-1,846.4	-1,789.0	0.00	0.00	0.00
19,900.0	90.00	359.58	10,925.0	-1,707.1	-1,847.1	-1,689.0	0.00	0.00	0.00
20,000.0	90.00	359.58	10,925.0	-1,607.1	-1,847.8	-1,589.0	0.00	0.00	0.00
20,100.0	90.00	359.58	10,925.0	-1,507.1	-1,848.5	-1,489.0	0.00	0.00	0.00
20,200.0	90.00	359.58	10,925.0	-1,407.1	-1,849.3	-1,389.0	0.00	0.00	0.00
20,300.0	90.00	359.58	10,925.0	-1,307.1	-1,850.0	-1,289.0	0.00	0.00	0.00
20,400.0	90.00	359.58	10,925.0	-1,207.1	-1,850.7	-1,189.0	0.00	0.00	0.00
20,500.0	90.00	359.58	10,925.0	-1,107.1	-1,851.4	-1,089.0	0.00	0.00	0.00
20,600.0	90.00	359.58	10,925.0	-1,007.1	-1,852.2	-989.0	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Roger Donlon #129H
Company:	Matador Production Company	TVD Reference:	KB @ 3361.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3361.5usft
Site:	Roger Donlon	North Reference:	Grid
Well:	Roger Donlon #129H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,700.0	90.00	359.58	10,925.0	-907.1	-1,852.9	-889.0	0.00	0.00	0.00
20,800.0	90.00	359.58	10,925.0	-807.1	-1,853.6	-789.0	0.00	0.00	0.00
20,900.0	90.00	359.58	10,925.0	-707.1	-1,854.3	-689.0	0.00	0.00	0.00
21,000.0	90.00	359.58	10,925.0	-607.1	-1,855.1	-589.0	0.00	0.00	0.00
21,100.0	90.00	359.58	10,925.0	-507.1	-1,855.8	-489.0	0.00	0.00	0.00
21,200.0	90.00	359.58	10,925.0	-407.1	-1,856.5	-389.0	0.00	0.00	0.00
21,300.0	90.00	359.58	10,925.0	-307.1	-1,857.2	-289.0	0.00	0.00	0.00
21,400.0	90.00	359.58	10,925.0	-207.1	-1,858.0	-189.0	0.00	0.00	0.00
21,500.0	90.00	359.58	10,925.0	-107.1	-1,858.7	-89.0	0.00	0.00	0.00
21,600.0	90.00	359.58	10,925.0	-7.1	-1,859.4	11.0	0.00	0.00	0.00
21,635.2	90.00	359.58	10,925.0	28.1	-1,859.7	46.3	0.00	0.00	0.00
TD at 21635.3 - BHL - Roger Donlon #129H									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP - Roger Donlon #12 - hit/miss target - Shape - Point	0.00	0.00	10,352.0	97.0	-550.8	414,862.00	772,795.00	32° 8' 15.015 N	103° 27' 7.315 W
FPP - Roger Donlon #12 - plan misses target center by 0.1usft at 10630.8usft MD (10586.2 TVD, 47.0 N, -550.4 E) - Point	0.00	0.00	10,586.2	47.0	-550.3	414,811.95	772,795.50	32° 8' 14.520 N	103° 27' 7.314 W
NPZ1 - Roger Donlon #1 - plan misses target center by 0.7usft at 15779.3usft MD (10925.0 TVD, -4885.5 N, -771.0 E) - Point	0.00	0.00	10,925.0	-4,885.0	-771.5	409,879.89	772,574.28	32° 7' 25.733 N	103° 27' 10.355 W
NPZ2 - Roger Donlon #1 - plan misses target center by 1.0usft at 16649.3usft MD (10925.0 TVD, -4880.8 N, -1578.6 E) - Point	0.00	0.00	10,925.0	-4,880.0	-1,578.0	409,884.89	771,767.75	32° 7' 25.847 N	103° 27' 19.732 W
Apex - Roger Donlon #1 - plan misses target center by 3.8usft at 16202.2usft MD (10925.0 TVD, -5022.1 N, -1163.5 E) - Point	0.00	0.00	10,925.0	-5,025.9	-1,163.8	409,739.00	772,182.00	32° 7' 24.370 N	103° 27' 14.929 W
DP2 - Roger Donlon #12 - plan hits target center - Point	0.00	0.00	10,925.0	-4,370.9	-1,827.8	410,394.00	771,518.00	32° 7' 30.905 N	103° 27' 22.588 W
DP1 - Roger Donlon #12 - plan misses target center by 7.0usft at 15174.8usft MD (10925.0 TVD, -4361.0 N, -515.8 E) - Point	0.00	0.00	10,925.0	-4,360.9	-508.8	410,404.00	772,837.00	32° 7' 30.898 N	103° 27' 7.250 W
BHL - Roger Donlon #12 - plan misses target center by 10.2usft at 21635.2usft MD (10925.0 TVD, 28.1 N, -1859.7 E) - Point	0.00	0.00	10,925.0	28.0	-1,869.8	414,793.00	771,476.00	32° 8' 14.439 N	103° 27' 22.660 W

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Roger Donlon #129H
Company:	Matador Production Company	TVD Reference:	KB @ 3361.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3361.5usft
Site:	Roger Donlon	North Reference:	Grid
Well:	Roger Donlon #129H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
802.0	802.0	Rustler				
1,317.6	1,317.6	Salado				
3,547.3	3,530.0	Castile (T)				
5,447.1	5,411.3	G30:CS14-CSB				
5,504.9	5,468.6	G26: Bell Cyn.				
6,596.5	6,558.9	G16: Manzanita				
6,711.1	6,673.5	G13: Cherry Cyn.				
7,994.2	7,956.6	G7: Brushy Cyn.				
9,148.9	9,111.3	G5: L. Brushy Cyn.				
9,326.1	9,288.5	G4: BSGL (CS9)				
9,370.3	9,332.7	L8.2: U. Avalon Shale				
9,601.3	9,563.7	L6.3: Avalon Carb				
10,244.8	10,207.2	L6.2: L. Avalon Shale				
10,364.9	10,327.3	L5.1: FBSG				
10,430.9	10,393.3	M. FBSG				
10,514.3	10,475.7	L. FBSG				
10,596.8	10,554.7	L4.3: SBSC				
11,011.0	10,858.6	L4.1: SBSG				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.0	1,500.0	0.0	0.0	Start Build 2.00	
1,900.0	1,898.7	4.8	-27.5	Start 3551.3 hold at 1900.0 MD	
5,451.3	5,415.5	90.6	-514.2	Start Drop -1.50	
5,984.7	5,947.1	97.0	-550.8	Start 4404.9 hold at 5984.7 MD	
10,389.6	10,352.0	97.0	-550.8	Start Build 10.00	
11,289.6	10,925.0	-475.9	-546.3	Start 3885.2 hold at 11289.6 MD	
15,174.8	10,925.0	-4,361.0	-515.8	Start DLS 8.73 TFO 90.00	
17,236.1	10,925.0	-4,370.9	-1,827.8	Start 4399.2 hold at 17236.1 MD	
21,635.3	10,925.0	28.1	-1,859.7	TD at 21635.3	