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 378433

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

1. Operator Name and Address	2. OGRID Number
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	3. API Number 30-025-54184

4. Property Code	5. Property Name	6. Well No.
336587	ROGER DONLON	119H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	15	25S	34E	A	151	N	410	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	15	25S	34E	B	110	N	1650	E	Lea

9. Pool Information

RED HILLS;LOWER BONE SPRING	51020

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		Private	3333
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	21065	Bone Spring		12/15/2024
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	9686	926	0
Prod	6.75	5.5	20	21065	779	9486

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

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

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I 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:	Paul F Kautz
Title:	Regulatory Analyst	Title:	Geologist
Email Address:	brett.jennings@matadorresources.com	Approved Date:	1/2/2025 Expiration Date: 1/2/2027
Date:	12/9/2024 Phone: 972-629-2160	Conditions of Approval Attached	

C-102	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
Submit Electronically Via OCD Permitting		Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	51020	RED HILLS;LOWER BONE SPRING

Property Code	Property Name	Well Number
	ROGER DONLON	119H

OGRID No.	Operator Name	Ground Level Elevation
228937	MATADOR PRODUCTION COMPANY	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	410' E	N 32.1373497	W 103.4506268	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	1650' E	N 32.1374657	W 103.4546329	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
320	-	-	-	

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	330' E	N 32.1376259	W 103.4503689	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	330' E	N 32.1374885	W 103.4503687	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	1650' E	N 32.1374657	W 103.4546329	LEA

Unitized Area or Area of Uniform Intrest	Spacing Unity Type	Ground Floor Elevation
-	☒ Horizontal ☐ Vertical	

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature: D.W.J. Date: 11/14/24

Print Name: David W. Johns

E-mail Address: djohns@matadorresources.com

SURVEYORS CERTIFICATION

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.

ANGEL M. BAEZA NEW MEXICO 25116 11/14/24 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor Date

Certificate Number

Date of Survey: 10/25/2024

C-102	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
Submit Electronically Via OCD Permitting		Submittal Type: ☐ Initial Submittal ☐ Amended Report ☐ As Drilled

Property Name and Well Number

ROGER DONLON 119H

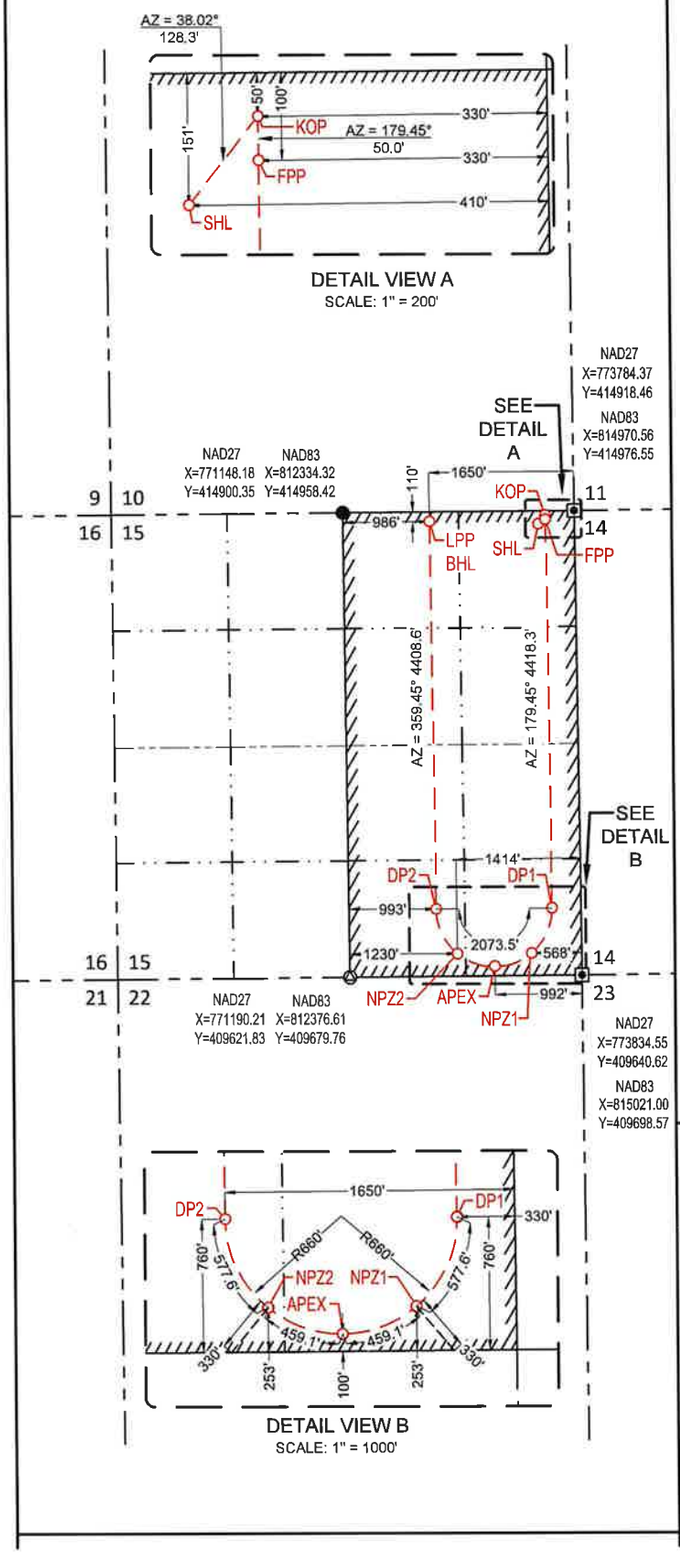
SURFACE LOCATION (SHL)
NEW MEXICO EAST
NAD 1983
X=814562 Y=414823
LAT.: N 32.1373497
LONG.: W 103.4506268
NAD 1927
X=773376 Y=414765
LAT.: N 32.1372245
LONG.: W 103.4501581
151' FNL 410' FEL

KICK OFF POINT (KOP)
NEW MEXICO EAST
NAD 1983
X=814641 Y=414924
LAT.: N 32.1376259
LONG.: W 103.4503689
NAD 1927
X=773455 Y=414866
LAT.: N 32.1375007
LONG.: W 103.4499001
50' FNL 330' FEL

FIRST PERF. POINT (FPP)
NEW MEXICO EAST
NAD 1983
X=814642 Y=414874
LAT.: N 32.1374885
LONG.: W 103.4503687
NAD 1927
X=773455 Y=414816
LAT.: N 32.1373633
LONG.: W 103.4498999
100' FNL 330' FEL

DEFLECTION POINT (DP1)
NEW MEXICO EAST
NAD 1983
X=814684 Y=410456
LAT.: N 32.1253439
LONG.: W 103.4503493
NAD 1927
X=773497 Y=410398
LAT.: N 32.1252186
LONG.: W 103.4498813
760' FSL 330' FEL

NON PERF. ZONE (NPZ1)
NEW MEXICO EAST
NAD 1983
X=814450 Y=409948
LAT.: N 32.1239519
LONG.: W 103.4511167
NAD 1927
X=773264 Y=409890
LAT.: N 32.1238266
LONG.: W 103.4506487
253' FSL 568' FEL



U-TURN APEX (APEX)
NEW MEXICO EAST
NAD 1983
X=814028 Y=409792
LAT.: N 32.1235317
LONG.: W 103.4524834
NAD 1927
X=772842 Y=409734
LAT.: N 32.1234064
LONG.: W 103.4520154
100' FSL 992' FEL

NON PERF. ZONE (NPZ2)
NEW MEXICO EAST
NAD 1983
X=813604 Y=409942
LAT.: N 32.1239544
LONG.: W 103.4538490
NAD 1927
X=772418 Y=409884
LAT.: N 32.1238291
LONG.: W 103.4533809
253' FSL 1414' FEL

DEFLECTION POINT (DP2)
NEW MEXICO EAST
NAD 1983
X=813364 Y=410447
LAT.: N 32.1253477
LONG.: W 103.4546129
NAD 1927
X=772177 Y=410389
LAT.: N 32.1252225
LONG.: W 103.4541448
760' FSL 1650' FEL

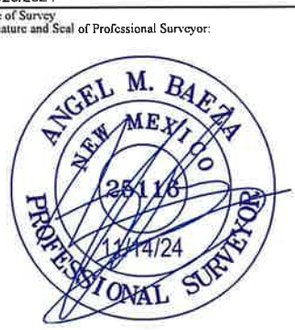
LAST PERF. POINT (LPP)
BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=813322 Y=414855
LAT.: N 32.1374657
LONG.: W 103.4546329
NAD 1927
X=772135 Y=414797
LAT.: N 32.1373406
LONG.: W 103.4541639
110' FNL 1650' FEL

SURVEYORS CERTIFICATION

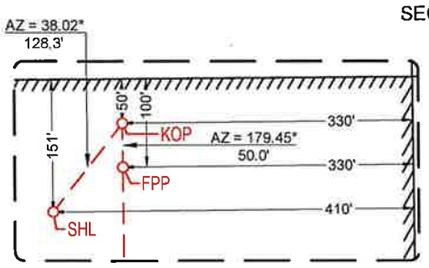
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

10/25/2024
Date of Survey

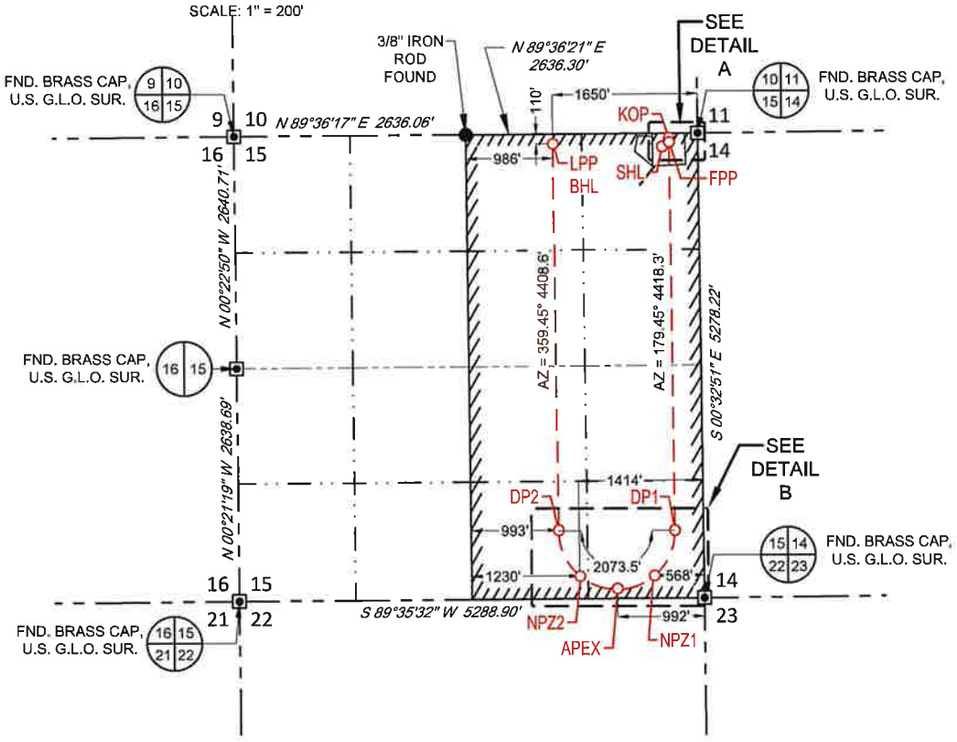
Signature and Seal of Professional Surveyor:

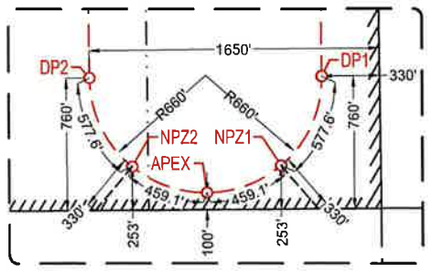


SECTION 15, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



DETAIL VIEW A
SCALE: 1" = 200'





DETAIL VIEW B
SCALE: 1" = 1000'

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

SURFACE LOCATION (SHL)
NEW MEXICO EAST
NAD 1983
X=814562 Y=414823
LAT.: N 32.1373497
LONG.: W 103.4506268
151' FNL 410' FEL

KICK OFF POINT (KOP)
NEW MEXICO EAST
NAD 1983
X=814641 Y=414924
LAT.: N 32.1376259
LONG.: W 103.4503689
50' FNL 330' FEL

FIRST PERF. POINT (FPP)
NEW MEXICO EAST
NAD 1983
X=814642 Y=414874
LAT.: N 32.1374885
LONG.: W 103.4503687
100' FNL 330' FEL

DEFLECTION POINT (DP1)
NEW MEXICO EAST
NAD 1983
X=814684 Y=410456
LAT.: N 32.1253439
LONG.: W 103.4503493
760' FSL 330' FEL

NON PERF. ZONE (NPZ1)
NEW MEXICO EAST
NAD 1983
X=814450 Y=409948
LAT.: N 32.1239519
LONG.: W 103.4511167
253' FSL 568' FEL

U-TURN APEX (APEX)
NEW MEXICO EAST
NAD 1983
X=814028 Y=409792
LAT.: N 32.1235317
LONG.: W 103.4524834
100' FSL 992' FEL

NON PERF. ZONE (NPZ2)
NEW MEXICO EAST
NAD 1983
X=813604 Y=409942
LAT.: N 32.1239544
LONG.: W 103.4538490
258' FSL 1414' FEL

DEFLECTION POINT (DP2)
NEW MEXICO EAST
NAD 1983
X=813364 Y=410447
LAT.: N 32.1253477
LONG.: W 103.4546129
760' FSL 1650' FEL

LAST PERF. POINT (LPP)
BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=813322 Y=414855
LAT.: N 32.1374657
LONG.: W 103.4546329
110' FNL 1650' FEL

LEASE NAME & WELL NO.: ROGER DONLON 119H

SECTION 15 TWP 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 151' FNL & 410' 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 ±235 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.

ANGEL M. BAEZA NEW MEXICO 25116 11/14/24 PROFESSIONAL SURVEYOR

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

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSCOTT 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

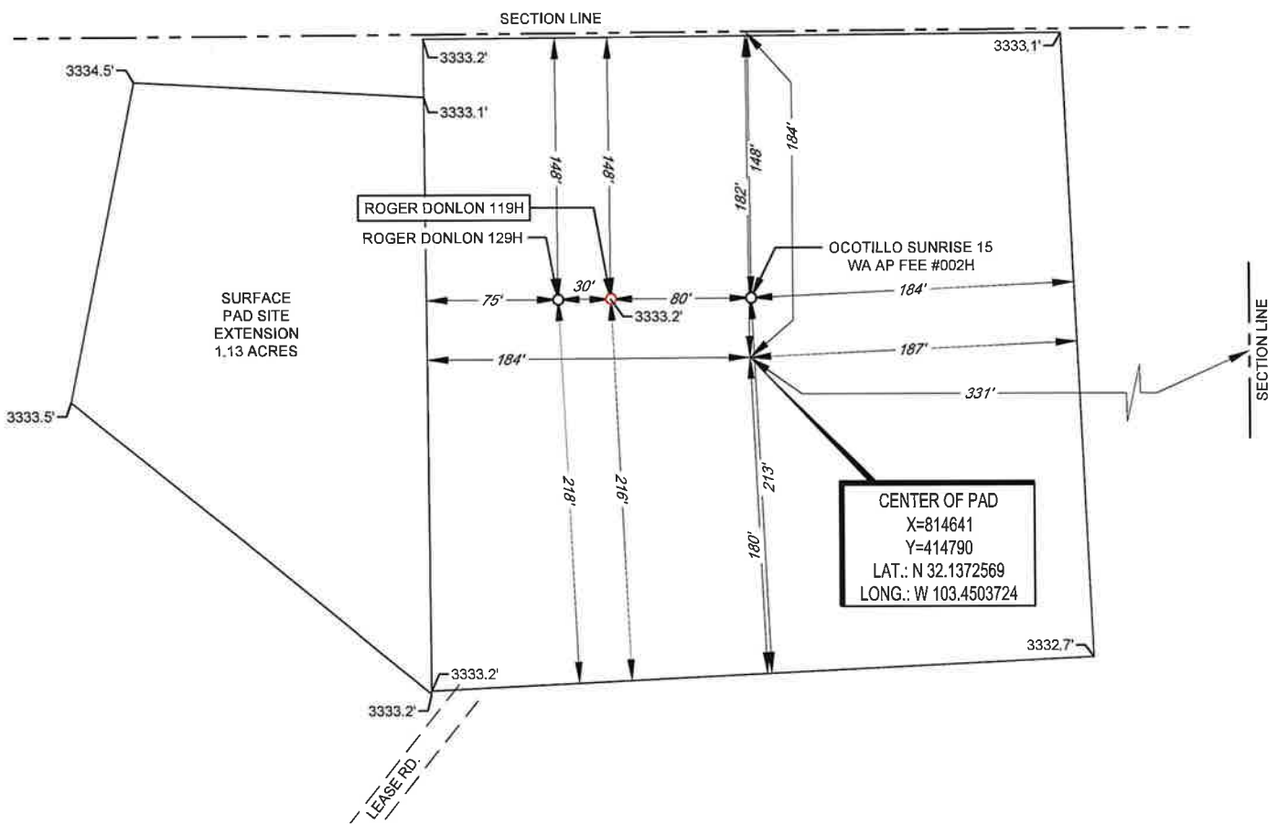
LEGEND

SECTION LINE
ROAD WAY

PRODUCTION COMPANY

DETAIL VIEW
SCALE: 1" = 100'

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



ANGEL M. BAEZA
NEW MEXICO
25116
11/14/24
PROFESSIONAL SURVEYOR

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

LEASE NAME & WELL NO.: ROGER DONLON 119H

119H LATITUDE N 32.1373497 119H LONGITUDE W 103.4506268

CENTER OF PAD IS 184' FNL & 331' FEL

SCALE: 1" = 100'
0' 50' 100'

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 WINSCOTT 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

S:\SURVEY\MATADOR_RESOURCES\ROGER_DONLON_INFRASTRUCTURE\FINAL_PRODUCTS\LO_ROGER_DONLON_119H.DWG 11/14/2024 4:38:05 PM mike.waller

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

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

Form APD Comments

Permit 378433

PERMIT COMMENTS

Operator Name and Address:	API Number:
MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	30-025-54184
	Well: ROGER DONLON #119H

Created By	Comment	Comment Date
pkautz	HOLD OUT OF COMPLIANCE WITH INACTIVE WELLS.	12/20/2024

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

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

Form APD Conditions

Permit 378433

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	30-025-54184
	Well: ROGER DONLON #119H

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	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:

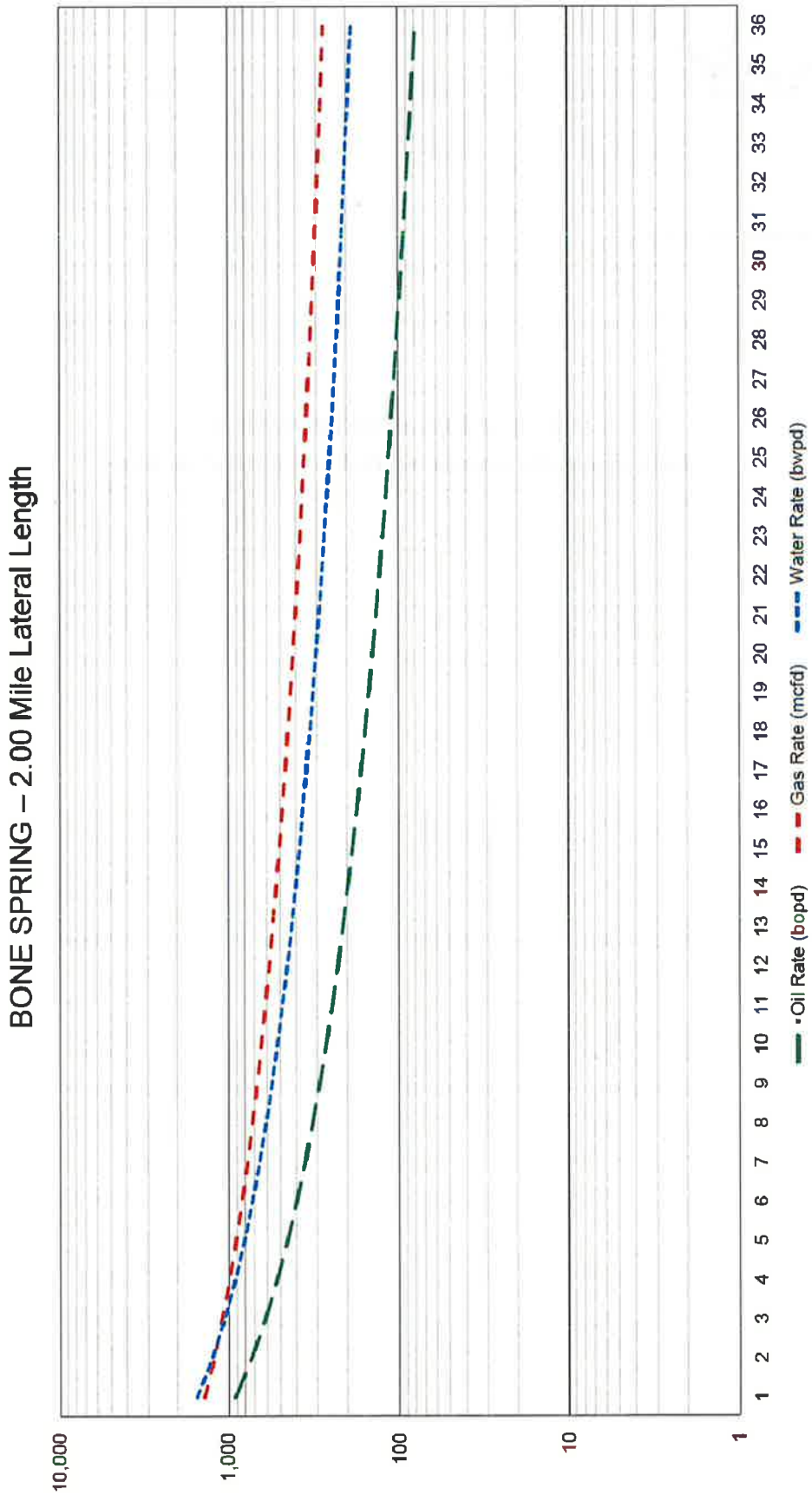
(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit 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: Oscar Gonzalez
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:


BONE SPRING – 2.00 Mile Lateral Length
10,000
1,000
100
10
1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
Oil Rate (bopd)
Gas Rate (mcfd)
Water Rate (bwpd)

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
INT 1	Deisel brine emulsion	9.875	7.625	P-110	29.70	9686	0	926	0	Option to run DV tool and Packer.
PROD	Cut Brine/OBM	6.75	5.5	P-110	20.00	21065	0	779	9486	

Matador Production Company

Antelope Ridge
Roger Donlon
Roger Donlon #119H

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 #119H
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 #119H	**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 #119H

Well Position	**+N/-S**	0.0 usft	**Northing:**	414,765.03 usft	**Latitude:**	32° 8' 14.008 N
	+E/-W	0.0 usft	**Easting:**	773,375.84 usft	**Longitude:**	103° 27' 0.569 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	11/6/2024	6.08	59.90	47,141.12573654

Design State Plan #1

Audit Notes:

Version:	1	**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.45

Plan Survey Tool Program **Date** 11/7/2024

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	21,065.2	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 #119H
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Well:	Roger Donlon #119H	**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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.0	8.00	309.88	1,398.7	17.9	-21.4	2.00	2.00	0.00	309.88	
2,064.2	8.00	309.88	2,056.4	77.1	-92.3	0.00	0.00	0.00	0.00	
2,597.5	0.00	0.00	2,588.0	101.0	-120.9	1.50	-1.50	0.00	180.00	
9,786.5	0.00	0.00	9,777.0	101.0	-120.9	0.00	0.00	0.00	0.00	KOP - Roger Donlon
10,686.5	90.00	166.58	10,350.0	-456.3	12.1	10.00	10.00	0.00	166.58	
11,330.1	90.00	179.45	10,350.0	-1,093.8	90.2	2.00	0.00	2.00	90.00	
14,593.3	90.00	179.45	10,350.0	-4,356.9	121.4	0.00	0.00	0.00	0.00	DP1 - Roger Donlon #
15,630.7	90.00	269.74	10,350.0	-5,021.5	-533.9	8.70	0.00	8.70	90.00	APEX - Roger Donlon
16,666.7	90.00	359.45	10,350.0	-4,366.2	-1,198.5	8.66	0.00	8.66	90.00	DP2 - Roger Donlon #
21,065.2	90.00	359.45	10,350.1	32.1	-1,241.1	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 #119H
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 #119H	**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
Start Build 2.00									
1,100.0	2.00	309.88	1,100.0	1.1	-1.3	1.1	2.00	2.00	0.00
1,200.0	4.00	309.88	1,199.8	4.5	-5.4	4.5	2.00	2.00	0.00
1,300.0	6.00	309.88	1,299.5	10.1	-12.0	10.2	2.00	2.00	0.00
1,318.3	6.37	309.88	1,317.6	11.3	-13.6	11.5	2.00	2.00	0.00
Salado									
1,400.0	8.00	309.88	1,398.7	17.9	-21.4	18.1	2.00	2.00	0.00
Start 664.2 hold at 1400.0 MD									
1,500.0	8.00	309.88	1,497.7	26.8	-32.1	27.1	0.00	0.00	0.00
1,600.0	8.00	309.88	1,596.8	35.7	-42.8	36.1	0.00	0.00	0.00
1,700.0	8.00	309.88	1,695.8	44.6	-53.4	45.2	0.00	0.00	0.00
1,800.0	8.00	309.88	1,794.8	53.6	-64.1	54.2	0.00	0.00	0.00
1,900.0	8.00	309.88	1,893.8	62.5	-74.8	63.2	0.00	0.00	0.00
2,000.0	8.00	309.88	1,992.9	71.4	-85.5	72.2	0.00	0.00	0.00
2,064.2	8.00	309.88	2,056.4	77.1	-92.3	78.0	0.00	0.00	0.00
Start Drop -1.50									
2,100.0	7.46	309.88	2,091.9	80.2	-96.0	81.2	1.50	-1.50	0.00
2,200.0	5.96	309.88	2,191.2	87.7	-105.0	88.7	1.50	-1.50	0.00
2,300.0	4.46	309.88	2,290.8	93.6	-112.0	94.6	1.50	-1.50	0.00
2,400.0	2.96	309.88	2,390.6	97.7	-116.9	98.8	1.50	-1.50	0.00
2,500.0	1.46	309.88	2,490.5	100.2	-119.9	101.3	1.50	-1.50	0.00
2,597.5	0.00	0.00	2,588.0	101.0	-120.9	102.1	1.50	-1.50	0.00
Start 7189.0 hold at 2597.5 MD									
2,600.0	0.00	0.00	2,590.5	101.0	-120.9	102.1	0.00	0.00	0.00
2,700.0	0.00	0.00	2,690.5	101.0	-120.9	102.1	0.00	0.00	0.00
2,800.0	0.00	0.00	2,790.5	101.0	-120.9	102.1	0.00	0.00	0.00
2,900.0	0.00	0.00	2,890.5	101.0	-120.9	102.1	0.00	0.00	0.00
3,000.0	0.00	0.00	2,990.5	101.0	-120.9	102.1	0.00	0.00	0.00
3,100.0	0.00	0.00	3,090.5	101.0	-120.9	102.1	0.00	0.00	0.00
3,200.0	0.00	0.00	3,190.5	101.0	-120.9	102.1	0.00	0.00	0.00
3,300.0	0.00	0.00	3,290.5	101.0	-120.9	102.1	0.00	0.00	0.00
3,400.0	0.00	0.00	3,390.5	101.0	-120.9	102.1	0.00	0.00	0.00
3,500.0	0.00	0.00	3,490.5	101.0	-120.9	102.1	0.00	0.00	0.00
3,539.5	0.00	0.00	3,530.0	101.0	-120.9	102.1	0.00	0.00	0.00
Castile (T)									
3,600.0	0.00	0.00	3,590.5	101.0	-120.9	102.1	0.00	0.00	0.00
3,700.0	0.00	0.00	3,690.5	101.0	-120.9	102.1	0.00	0.00	0.00
3,800.0	0.00	0.00	3,790.5	101.0	-120.9	102.1	0.00	0.00	0.00
3,900.0	0.00	0.00	3,890.5	101.0	-120.9	102.1	0.00	0.00	0.00
4,000.0	0.00	0.00	3,990.5	101.0	-120.9	102.1	0.00	0.00	0.00

Planning Report

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Site:	Roger Donlon	**North Reference:**	Grid
Well:	Roger Donlon #119H	**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)
4,100.0	0.00	0.00	4,090.5	101.0	-120.9	102.1	0.00	0.00	0.00
4,200.0	0.00	0.00	4,190.5	101.0	-120.9	102.1	0.00	0.00	0.00
4,300.0	0.00	0.00	4,290.5	101.0	-120.9	102.1	0.00	0.00	0.00
4,400.0	0.00	0.00	4,390.5	101.0	-120.9	102.1	0.00	0.00	0.00
4,500.0	0.00	0.00	4,490.5	101.0	-120.9	102.1	0.00	0.00	0.00
4,600.0	0.00	0.00	4,590.5	101.0	-120.9	102.1	0.00	0.00	0.00
4,700.0	0.00	0.00	4,690.5	101.0	-120.9	102.1	0.00	0.00	0.00
4,800.0	0.00	0.00	4,790.5	101.0	-120.9	102.1	0.00	0.00	0.00
4,900.0	0.00	0.00	4,890.5	101.0	-120.9	102.1	0.00	0.00	0.00
5,000.0	0.00	0.00	4,990.5	101.0	-120.9	102.1	0.00	0.00	0.00
5,100.0	0.00	0.00	5,090.5	101.0	-120.9	102.1	0.00	0.00	0.00
5,200.0	0.00	0.00	5,190.5	101.0	-120.9	102.1	0.00	0.00	0.00
5,300.0	0.00	0.00	5,290.5	101.0	-120.9	102.1	0.00	0.00	0.00
5,400.0	0.00	0.00	5,390.5	101.0	-120.9	102.1	0.00	0.00	0.00
5,420.8	0.00	0.00	5,411.3	101.0	-120.9	102.1	0.00	0.00	0.00
G30:CS14-CSB									
5,478.1	0.00	0.00	5,468.6	101.0	-120.9	102.1	0.00	0.00	0.00
G26: Bell Cyn.									
5,500.0	0.00	0.00	5,490.5	101.0	-120.9	102.1	0.00	0.00	0.00
5,600.0	0.00	0.00	5,590.5	101.0	-120.9	102.1	0.00	0.00	0.00
5,700.0	0.00	0.00	5,690.5	101.0	-120.9	102.1	0.00	0.00	0.00
5,800.0	0.00	0.00	5,790.5	101.0	-120.9	102.1	0.00	0.00	0.00
5,900.0	0.00	0.00	5,890.5	101.0	-120.9	102.1	0.00	0.00	0.00
6,000.0	0.00	0.00	5,990.5	101.0	-120.9	102.1	0.00	0.00	0.00
6,100.0	0.00	0.00	6,090.5	101.0	-120.9	102.1	0.00	0.00	0.00
6,200.0	0.00	0.00	6,190.5	101.0	-120.9	102.1	0.00	0.00	0.00
6,300.0	0.00	0.00	6,290.5	101.0	-120.9	102.1	0.00	0.00	0.00
6,400.0	0.00	0.00	6,390.5	101.0	-120.9	102.1	0.00	0.00	0.00
6,500.0	0.00	0.00	6,490.5	101.0	-120.9	102.1	0.00	0.00	0.00
6,568.4	0.00	0.00	6,558.9	101.0	-120.9	102.1	0.00	0.00	0.00
G16: Manzanita									
6,600.0	0.00	0.00	6,590.5	101.0	-120.9	102.1	0.00	0.00	0.00
6,683.0	0.00	0.00	6,673.5	101.0	-120.9	102.1	0.00	0.00	0.00
G13: Cherry Cyn.									
6,700.0	0.00	0.00	6,690.5	101.0	-120.9	102.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,790.5	101.0	-120.9	102.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,890.5	101.0	-120.9	102.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,990.5	101.0	-120.9	102.1	0.00	0.00	0.00
7,100.0	0.00	0.00	7,090.5	101.0	-120.9	102.1	0.00	0.00	0.00
7,200.0	0.00	0.00	7,190.5	101.0	-120.9	102.1	0.00	0.00	0.00
7,300.0	0.00	0.00	7,290.5	101.0	-120.9	102.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,390.5	101.0	-120.9	102.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,490.5	101.0	-120.9	102.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,590.5	101.0	-120.9	102.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,690.5	101.0	-120.9	102.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,790.5	101.0	-120.9	102.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,890.5	101.0	-120.9	102.1	0.00	0.00	0.00
7,966.1	0.00	0.00	7,956.6	101.0	-120.9	102.1	0.00	0.00	0.00
G7: Brushy Cyn.									
8,000.0	0.00	0.00	7,990.5	101.0	-120.9	102.1	0.00	0.00	0.00
8,100.0	0.00	0.00	8,090.5	101.0	-120.9	102.1	0.00	0.00	0.00
8,200.0	0.00	0.00	8,190.5	101.0	-120.9	102.1	0.00	0.00	0.00
8,300.0	0.00	0.00	8,290.5	101.0	-120.9	102.1	0.00	0.00	0.00
8,400.0	0.00	0.00	8,390.5	101.0	-120.9	102.1	0.00	0.00	0.00

Planning Report

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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 #119H	**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	8,490.5	101.0	-120.9	102.1	0.00	0.00	0.00
8,600.0	0.00	0.00	8,590.5	101.0	-120.9	102.1	0.00	0.00	0.00
8,700.0	0.00	0.00	8,690.5	101.0	-120.9	102.1	0.00	0.00	0.00
8,800.0	0.00	0.00	8,790.5	101.0	-120.9	102.1	0.00	0.00	0.00
8,900.0	0.00	0.00	8,890.5	101.0	-120.9	102.1	0.00	0.00	0.00
9,000.0	0.00	0.00	8,990.5	101.0	-120.9	102.1	0.00	0.00	0.00
9,100.0	0.00	0.00	9,090.5	101.0	-120.9	102.1	0.00	0.00	0.00
9,120.8	0.00	0.00	9,111.3	101.0	-120.9	102.1	0.00	0.00	0.00
G5: L. Brushy Cyn.									
9,200.0	0.00	0.00	9,190.5	101.0	-120.9	102.1	0.00	0.00	0.00
9,298.0	0.00	0.00	9,288.5	101.0	-120.9	102.1	0.00	0.00	0.00
G4: BSGL (CS9)									
9,300.0	0.00	0.00	9,290.5	101.0	-120.9	102.1	0.00	0.00	0.00
9,342.2	0.00	0.00	9,332.7	101.0	-120.9	102.1	0.00	0.00	0.00
L8.2: U. Avalon Shale									
9,400.0	0.00	0.00	9,390.5	101.0	-120.9	102.1	0.00	0.00	0.00
9,500.0	0.00	0.00	9,490.5	101.0	-120.9	102.1	0.00	0.00	0.00
9,573.2	0.00	0.00	9,563.7	101.0	-120.9	102.1	0.00	0.00	0.00
L6.3: Avalon Carb									
9,600.0	0.00	0.00	9,590.5	101.0	-120.9	102.1	0.00	0.00	0.00
9,700.0	0.00	0.00	9,690.5	101.0	-120.9	102.1	0.00	0.00	0.00
9,786.5	0.00	0.00	9,777.0	101.0	-120.9	102.1	0.00	0.00	0.00
Start Build 10.00 - KOP - Roger Donlon #119H									
9,800.0	1.35	166.58	9,790.5	100.8	-120.8	102.0	10.00	10.00	0.00
9,900.0	11.35	166.58	9,889.8	90.1	-118.3	91.2	10.00	10.00	0.00
10,000.0	21.35	166.58	9,985.6	62.7	-111.7	63.8	10.00	10.00	0.00
10,031.0	24.45	166.58	10,014.1	51.0	-108.9	52.0	10.00	10.00	0.00
FPP - Roger Donlon #119H									
10,100.0	31.35	166.58	10,075.1	19.6	-101.4	20.6	10.00	10.00	0.00
10,200.0	41.35	166.58	10,155.5	-38.0	-87.7	-37.1	10.00	10.00	0.00
10,273.1	48.66	166.58	10,207.2	-88.2	-75.7	-87.5	10.00	10.00	0.00
L6.2: L. Avalon Shale									
10,300.0	51.35	166.58	10,224.5	-108.3	-70.9	-107.6	10.00	10.00	0.00
10,400.0	61.35	166.58	10,279.8	-189.1	-51.6	-188.6	10.00	10.00	0.00
10,500.0	71.35	166.58	10,319.9	-278.1	-30.4	-277.8	10.00	10.00	0.00
10,524.8	73.83	166.58	10,327.3	-301.1	-24.9	-300.9	10.00	10.00	0.00
L5.1: FBSG									
10,600.0	81.35	166.58	10,343.4	-372.5	-7.9	-372.4	10.00	10.00	0.00
10,686.5	90.00	166.58	10,350.0	-456.3	12.1	-456.4	10.00	10.00	0.00
Start DLS 2.00 TFO 90.00									
10,700.0	90.00	166.85	10,350.0	-469.5	15.2	-469.6	2.00	0.00	2.00
10,800.0	90.00	168.85	10,350.0	-567.2	36.3	-567.6	2.00	0.00	2.00
10,900.0	90.00	170.85	10,350.0	-665.7	53.9	-666.2	2.00	0.00	2.00
11,000.0	90.00	172.85	10,350.0	-764.7	68.1	-765.3	2.00	0.00	2.00
11,100.0	90.00	174.85	10,350.0	-864.1	78.8	-864.8	2.00	0.00	2.00
11,200.0	90.00	176.85	10,350.0	-963.8	86.0	-964.6	2.00	0.00	2.00
11,300.0	90.00	178.85	10,350.0	-1,063.7	89.8	-1,064.5	2.00	0.00	2.00
11,330.1	90.00	179.45	10,350.0	-1,093.8	90.2	-1,094.6	2.00	0.00	2.00
Start 3263.2 hold at 11330.1 MD									
11,400.0	90.00	179.45	10,350.0	-1,163.7	90.9	-1,164.5	0.00	0.00	0.00
11,500.0	90.00	179.45	10,350.0	-1,263.7	91.8	-1,264.5	0.00	0.00	0.00
11,600.0	90.00	179.45	10,350.0	-1,363.7	92.8	-1,364.5	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Roger Donlon #119H
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 #119H	**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)
11,700.0	90.00	179.45	10,350.0	-1,463.7	93.8	-1,464.5	0.00	0.00	0.00
11,800.0	90.00	179.45	10,350.0	-1,563.7	94.7	-1,564.5	0.00	0.00	0.00
11,900.0	90.00	179.45	10,350.0	-1,663.7	95.7	-1,664.5	0.00	0.00	0.00
12,000.0	90.00	179.45	10,350.0	-1,763.7	96.6	-1,764.5	0.00	0.00	0.00
12,100.0	90.00	179.45	10,350.0	-1,863.7	97.6	-1,864.5	0.00	0.00	0.00
12,200.0	90.00	179.45	10,350.0	-1,963.7	98.5	-1,964.5	0.00	0.00	0.00
12,300.0	90.00	179.45	10,350.0	-2,063.7	99.5	-2,064.5	0.00	0.00	0.00
12,400.0	90.00	179.45	10,350.0	-2,163.7	100.4	-2,164.5	0.00	0.00	0.00
12,500.0	90.00	179.45	10,350.0	-2,263.7	101.4	-2,264.5	0.00	0.00	0.00
12,600.0	90.00	179.45	10,350.0	-2,363.7	102.4	-2,364.5	0.00	0.00	0.00
12,700.0	90.00	179.45	10,350.0	-2,463.7	103.3	-2,464.5	0.00	0.00	0.00
12,800.0	90.00	179.45	10,350.0	-2,563.7	104.3	-2,564.5	0.00	0.00	0.00
12,900.0	90.00	179.45	10,350.0	-2,663.7	105.2	-2,664.5	0.00	0.00	0.00
13,000.0	90.00	179.45	10,350.0	-2,763.6	106.2	-2,764.5	0.00	0.00	0.00
13,100.0	90.00	179.45	10,350.0	-2,863.6	107.1	-2,864.5	0.00	0.00	0.00
13,200.0	90.00	179.45	10,350.0	-2,963.6	108.1	-2,964.5	0.00	0.00	0.00
13,300.0	90.00	179.45	10,350.0	-3,063.6	109.1	-3,064.5	0.00	0.00	0.00
13,400.0	90.00	179.45	10,350.0	-3,163.6	110.0	-3,164.5	0.00	0.00	0.00
13,500.0	90.00	179.45	10,350.0	-3,263.6	111.0	-3,264.5	0.00	0.00	0.00
13,600.0	90.00	179.45	10,350.0	-3,363.6	111.9	-3,364.5	0.00	0.00	0.00
13,700.0	90.00	179.45	10,350.0	-3,463.6	112.9	-3,464.5	0.00	0.00	0.00
13,800.0	90.00	179.45	10,350.0	-3,563.6	113.8	-3,564.5	0.00	0.00	0.00
13,900.0	90.00	179.45	10,350.0	-3,663.6	114.8	-3,664.5	0.00	0.00	0.00
14,000.0	90.00	179.45	10,350.0	-3,763.6	115.7	-3,764.5	0.00	0.00	0.00
14,100.0	90.00	179.45	10,350.0	-3,863.6	116.7	-3,864.5	0.00	0.00	0.00
14,200.0	90.00	179.45	10,350.0	-3,963.6	117.7	-3,964.5	0.00	0.00	0.00
14,300.0	90.00	179.45	10,350.0	-4,063.6	118.6	-4,064.5	0.00	0.00	0.00
14,400.0	90.00	179.45	10,350.0	-4,163.6	119.6	-4,164.5	0.00	0.00	0.00
14,500.0	90.00	179.45	10,350.0	-4,263.6	120.5	-4,264.5	0.00	0.00	0.00
14,593.3	90.00	179.45	10,350.0	-4,356.9	121.4	-4,357.8	0.00	0.00	0.00
Start DLS 8.70 TFO 90.00 - DP1 - Roger Donlon #119H									
14,600.0	90.00	180.03	10,350.0	-4,363.6	121.5	-4,364.5	8.70	0.00	8.70
14,700.0	90.00	188.74	10,350.0	-4,463.2	113.8	-4,464.1	8.70	0.00	8.70
14,800.0	90.00	197.44	10,350.0	-4,560.5	91.2	-4,561.2	8.70	0.00	8.70
14,900.0	90.00	206.14	10,350.0	-4,653.3	54.1	-4,653.6	8.70	0.00	8.70
15,000.0	90.00	214.85	10,350.0	-4,739.3	3.4	-4,739.2	8.70	0.00	8.70
15,100.0	90.00	223.55	10,350.0	-4,816.8	-59.7	-4,816.0	8.70	0.00	8.70
15,190.0	90.00	231.39	10,350.0	-4,877.6	-126.0	-4,876.2	8.70	0.00	8.70
NPZ1 - Roger Donlon #119H									
15,200.0	90.00	232.25	10,350.0	-4,883.7	-133.9	-4,882.2	8.70	0.00	8.70
15,300.0	90.00	240.96	10,350.0	-4,938.7	-217.3	-4,936.4	8.70	0.00	8.70
15,400.0	90.00	249.66	10,350.0	-4,980.5	-308.0	-4,977.3	8.70	0.00	8.70
15,500.0	90.00	258.36	10,350.0	-5,008.0	-404.1	-5,003.9	8.70	0.00	8.70
15,600.0	90.00	267.07	10,350.0	-5,020.6	-503.2	-5,015.6	8.70	0.00	8.70
15,630.7	90.00	269.74	10,350.0	-5,021.5	-533.9	-5,016.1	8.70	0.00	8.70
Start DLS 8.66 TFO 90.00 - APEX - Roger Donlon #119H									
15,700.0	90.00	275.74	10,350.0	-5,018.2	-603.1	-5,012.2	8.66	0.00	8.66
15,800.0	90.00	284.40	10,350.0	-5,000.7	-701.4	-4,993.8	8.66	0.00	8.66
15,900.0	90.00	293.06	10,350.0	-4,968.7	-796.0	-4,960.8	8.66	0.00	8.66
16,000.0	90.00	301.72	10,350.0	-4,922.7	-884.7	-4,914.0	8.66	0.00	8.66
16,081.5	90.00	308.77	10,350.0	-4,875.7	-951.2	-4,866.4	8.66	0.00	8.66
NPZ2 - Roger Donlon #119H									
16,100.0	90.00	310.38	10,350.0	-4,863.9	-965.5	-4,854.4	8.66	0.00	8.66

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Roger Donlon #119H
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 #119H	**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)
16,200.0	90.00	319.04	10,350.0	-4,793.6	-1,036.5	-4,783.5	8.66	0.00	8.66
16,300.0	90.00	327.69	10,350.0	-4,713.5	-1,096.1	-4,702.7	8.66	0.00	8.66
16,400.0	90.00	336.35	10,350.0	-4,625.2	-1,143.0	-4,614.0	8.66	0.00	8.66
16,500.0	90.00	345.01	10,350.0	-4,530.9	-1,176.1	-4,519.5	8.66	0.00	8.66
16,600.0	90.00	353.67	10,350.0	-4,432.8	-1,194.5	-4,421.1	8.66	0.00	8.66
16,666.7	90.00	359.45	10,350.0	-4,366.2	-1,198.5	-4,354.5	8.66	0.00	8.66
Start 4398.5 hold at 16666.7 MD - DP2 - Roger Donlon #119H									
16,700.0	90.00	359.45	10,350.0	-4,332.9	-1,198.9	-4,321.2	0.00	0.00	0.00
16,800.0	90.00	359.45	10,350.0	-4,232.9	-1,199.8	-4,221.2	0.00	0.00	0.00
16,900.0	90.00	359.45	10,350.0	-4,132.9	-1,200.8	-4,121.2	0.00	0.00	0.00
17,000.0	90.00	359.45	10,350.0	-4,032.9	-1,201.8	-4,021.2	0.00	0.00	0.00
17,100.0	90.00	359.45	10,350.0	-3,932.9	-1,202.7	-3,921.2	0.00	0.00	0.00
17,200.0	90.00	359.45	10,350.0	-3,832.9	-1,203.7	-3,821.2	0.00	0.00	0.00
17,300.0	90.00	359.45	10,350.0	-3,732.9	-1,204.7	-3,721.2	0.00	0.00	0.00
17,400.0	90.00	359.45	10,350.0	-3,632.9	-1,205.6	-3,621.2	0.00	0.00	0.00
17,500.0	90.00	359.45	10,350.0	-3,533.0	-1,206.6	-3,521.2	0.00	0.00	0.00
17,600.0	90.00	359.45	10,350.0	-3,433.0	-1,207.6	-3,421.2	0.00	0.00	0.00
17,700.0	90.00	359.45	10,350.0	-3,333.0	-1,208.5	-3,321.2	0.00	0.00	0.00
17,800.0	90.00	359.45	10,350.0	-3,233.0	-1,209.5	-3,221.2	0.00	0.00	0.00
17,900.0	90.00	359.45	10,350.0	-3,133.0	-1,210.5	-3,121.2	0.00	0.00	0.00
18,000.0	90.00	359.45	10,350.0	-3,033.0	-1,211.4	-3,021.2	0.00	0.00	0.00
18,100.0	90.00	359.45	10,350.0	-2,933.0	-1,212.4	-2,921.2	0.00	0.00	0.00
18,200.0	90.00	359.45	10,350.0	-2,833.0	-1,213.4	-2,821.2	0.00	0.00	0.00
18,300.0	90.00	359.45	10,350.0	-2,733.0	-1,214.3	-2,721.2	0.00	0.00	0.00
18,400.0	90.00	359.45	10,350.0	-2,633.0	-1,215.3	-2,621.2	0.00	0.00	0.00
18,500.0	90.00	359.45	10,350.0	-2,533.0	-1,216.3	-2,521.2	0.00	0.00	0.00
18,600.0	90.00	359.45	10,350.0	-2,433.0	-1,217.2	-2,421.2	0.00	0.00	0.00
18,700.0	90.00	359.45	10,350.0	-2,333.0	-1,218.2	-2,321.2	0.00	0.00	0.00
18,800.0	90.00	359.45	10,350.0	-2,233.0	-1,219.2	-2,221.2	0.00	0.00	0.00
18,900.0	90.00	359.45	10,350.0	-2,133.0	-1,220.1	-2,121.2	0.00	0.00	0.00
19,000.0	90.00	359.45	10,350.0	-2,033.0	-1,221.1	-2,021.2	0.00	0.00	0.00
19,100.0	90.00	359.45	10,350.0	-1,933.0	-1,222.1	-1,921.2	0.00	0.00	0.00
19,200.0	90.00	359.45	10,350.0	-1,833.0	-1,223.0	-1,821.2	0.00	0.00	0.00
19,300.0	90.00	359.45	10,350.0	-1,733.0	-1,224.0	-1,721.2	0.00	0.00	0.00
19,400.0	90.00	359.45	10,350.0	-1,633.0	-1,225.0	-1,621.2	0.00	0.00	0.00
19,500.0	90.00	359.45	10,350.0	-1,533.0	-1,225.9	-1,521.2	0.00	0.00	0.00
19,600.0	90.00	359.45	10,350.0	-1,433.1	-1,226.9	-1,421.2	0.00	0.00	0.00
19,700.0	90.00	359.45	10,350.0	-1,333.1	-1,227.9	-1,321.2	0.00	0.00	0.00
19,800.0	90.00	359.45	10,350.0	-1,233.1	-1,228.8	-1,221.2	0.00	0.00	0.00
19,900.0	90.00	359.45	10,350.0	-1,133.1	-1,229.8	-1,121.2	0.00	0.00	0.00
20,000.0	90.00	359.45	10,350.0	-1,033.1	-1,230.8	-1,021.2	0.00	0.00	0.00
20,100.0	90.00	359.45	10,350.0	-933.1	-1,231.7	-921.2	0.00	0.00	0.00
20,200.0	90.00	359.45	10,350.0	-833.1	-1,232.7	-821.2	0.00	0.00	0.00
20,300.0	90.00	359.45	10,350.0	-733.1	-1,233.7	-721.2	0.00	0.00	0.00
20,400.0	90.00	359.45	10,350.0	-633.1	-1,234.6	-621.2	0.00	0.00	0.00
20,500.0	90.00	359.45	10,350.0	-533.1	-1,235.6	-521.2	0.00	0.00	0.00
20,600.0	90.00	359.45	10,350.0	-433.1	-1,236.6	-421.2	0.00	0.00	0.00
20,700.0	90.00	359.45	10,350.0	-333.1	-1,237.6	-321.2	0.00	0.00	0.00
20,800.0	90.00	359.45	10,350.0	-233.1	-1,238.5	-221.2	0.00	0.00	0.00
20,900.0	90.00	359.45	10,350.0	-133.1	-1,239.5	-121.2	0.00	0.00	0.00
21,000.0	90.00	359.45	10,350.1	-33.1	-1,240.5	-21.2	0.00	0.00	0.00
21,065.2	90.00	359.45	10,350.1	32.1	-1,241.1	44.0	0.00	0.00	0.00
TD at 21065.2 - BHL - Roger Donlon #119H									

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Roger Donlon #119H
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 #119H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP - Roger Donlon #11 - plan hits target center - Point	0.00	0.00	9,777.0	101.0	-120.9	414,866.00	773,255.00	32° 8' 15.017 N	103° 27' 1.965 W
FPP - Roger Donlon #11 - plan hits target center - Point	0.00	0.00	10,014.1	51.0	-108.9	414,816.02	773,266.94	32° 8' 14.522 N	103° 27' 1.831 W
APEX - Roger Donlon #' - plan hits target center - Point	0.00	0.00	10,350.0	-5,021.5	-533.9	409,743.54	772,841.96	32° 7' 24.362 N	103° 27' 7.255 W
NPZ2 - Roger Donlon #1 - plan misses target center by 0.9usft at 16081.5usft MD (10350.0 TVD, -4875.7 N, -951.3 E) - Point	0.00	0.00	10,350.0	-4,875.0	-950.7	409,890.03	772,425.15	32° 7' 25.845 N	103° 27' 12.088 W
NPZ1 - Roger Donlon #1 - plan misses target center by 0.8usft at 15190.1usft MD (10350.0 TVD, -4877.6 N, -126.1 E) - Point	0.00	0.00	10,350.0	-4,877.0	-126.5	409,888.03	773,249.30	32° 7' 25.759 N	103° 27' 2.505 W
DP2 - Roger Donlon #11 - plan hits target center - Point	0.00	0.00	10,350.0	-4,366.2	-1,198.5	410,398.82	772,177.32	32° 7' 30.900 N	103° 27' 14.921 W
DP1 - Roger Donlon #11 - plan hits target center - Point	0.00	0.00	10,350.0	-4,356.9	121.4	410,408.20	773,497.26	32° 7' 30.886 N	103° 26' 59.573 W
BHL - Roger Donlon #11 - plan misses target center by 0.7usft at 21065.2usft MD (10350.1 TVD, 32.1 N, -1241.1 E) - Point	0.00	0.00	10,350.0	32.1	-1,240.4	414,797.12	772,135.50	32° 8' 14.426 N	103° 27' 14.990 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
802.0	802.0	Rustler			
1,318.3	1,317.6	Salado			
3,539.5	3,530.0	Castile (T)			
5,420.8	5,411.3	G30:CS14-CSB			
5,478.1	5,468.6	G26: Bell Cyn.			
6,568.4	6,558.9	G16: Manzanita			
6,683.0	6,673.5	G13: Cherry Cyn.			
7,966.1	7,956.6	G7: Brushy Cyn.			
9,120.8	9,111.3	G5: L. Brushy Cyn.			
9,298.0	9,288.5	G4: BSGL (CS9)			
9,342.2	9,332.7	L8.2: U. Avalon Shale			
9,573.2	9,563.7	L6.3: Avalon Carb			
10,273.1	10,207.2	L6.2: L. Avalon Shale			
10,524.8	10,327.3	L5.1: FBSG			

Planning Report

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Project:	Antelope Ridge	**MD Reference:**	KB @ 3361.5usft
Site:	Roger Donlon	**North Reference:**	Grid
Well:	Roger Donlon #119H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,000.0	1,000.0	0.0	0.0	Start Build 2.00
1,400.0	1,398.7	17.9	-21.4	Start 664.2 hold at 1400.0 MD
2,064.2	2,056.4	77.1	-92.3	Start Drop -1.50
2,597.5	2,588.0	101.0	-120.9	Start 7189.0 hold at 2597.5 MD
9,786.5	9,777.0	101.0	-120.9	Start Build 10.00
10,686.5	10,350.0	-456.3	12.1	Start DLS 2.00 TFO 90.00
11,330.1	10,350.0	-1,093.8	90.2	Start 3263.2 hold at 11330.1 MD
14,593.3	10,350.0	-4,356.9	121.4	Start DLS 8.70 TFO 90.00
15,630.7	10,350.0	-5,021.5	-533.9	Start DLS 8.66 TFO 90.00
16,666.7	10,350.0	-4,366.2	-1,198.5	Start 4398.5 hold at 16666.7 MD
21,065.2	10,350.1	32.1	-1,241.1	TD at 21065.2