

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 402059

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 30-025-55408
4. Property Code 337842	5. Property Name Bill Alexander 3309 State Com	6. Well No. 134H

7. Surface Location

UL - Lot A	Section 33	Township 22S	Range 35E	Lot Idn A	Feet From 215	N/S Line N	Feet From 1272	E/W Line E	County Lea
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	---------------

8. Proposed Bottom Hole Location

UL - Lot P	Section 9	Township 23S	Range 35E	Lot Idn P	Feet From 110	N/S Line S	Feet From 660	E/W Line E	County Lea
---------------	--------------	-----------------	--------------	--------------	------------------	---------------	------------------	---------------	---------------

9. Pool Information

ROCK LAKE;BONE SPRING	52766
ROCK LAKE;BONE SPRING, SOUTH	52769

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3511
16. Multiple Y	17. Proposed Depth 26734	18. Formation Bone Spring	19. Contractor	20. Spud Date 5/21/2026
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	2025	980	0
Int1	9.875	7.625	29.7	10608	2200	0
Prod	6.75	5.5	20	26734	1640	9608

Casing/Cement Program: Additional Comments

Option to drill surface hole with surface setting rig Option to cement surface casing offline Option to run DV tool and Packer.

22. Proposed Blowout Prevention Program

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

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Brett A Jennings	Approved By: Jeffrey Harrison
Title: Regulatory Analyst	Title: Petroleum Specialist III
Email Address: brett.jennings@matadorresources.com	Approved Date: 11/3/2025 Expiration Date: 11/3/2027
Date: 10/30/2025 Phone: 972-629-2160	Conditions of Approval Attached

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-55408	Pool Code 52766	Pool Name ROCK LAKE; BONE SPRING
Property Code 337842	Property Name BILL ALEXANDER 3309 STATE COM	Well Number 134H
OGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 3511'
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	33	22-S	35-E	-	215' N	1272' E	N 32.3548820	W 103.3680993	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
P	9	23-S	35-E	-	110' S	660' E	N 32.3121842	W 103.3661612	LEA

Dedicated Acres 240	Infill or Defining Well Defining	Defining Well API Pending	Overlapping Spacing Unit (Y/N) Y	Consolidated Code C
Order Numbers N/A			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	33	22-S	35-E	-	50' N	660' E	N 32.3553349	W 103.3661176	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	33	22-S	35-E	-	100' N	660' E	N 32.3551975	W 103.3661176	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
P	9	23-S	35-E	-	110' S	660' E	N 32.3121842	W 103.3661612	LEA

Unitized Area or Area of Uniform Interest N/A	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation 3536'
---	--	--

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> D. W. Johns 10/29/25 Signature Date David W. Johns Print Name djohns@matadorresources.com E-mail Address		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 12/18/2024	
--	--	--	--

C-102

Submit Electronically
Via OCD PermittingState of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal
Type:

- ☒ Initial Submittal
- ☐ Amended Report
- ☐ As Drilled

Property Name and Well Number

BILL ALEXANDER 3309 STATE COM 134H

SURFACE LOCATION (SHL)

NEW MEXICO EAST

NAD 1983

X=839396 Y=494182

LAT.: N 32.3548820

LONG.: W 103.3680993

NAD 1927

X=798212 Y=494122

LAT.: N 32.3547589

LONG.: W 103.3676252

215' FNL 1272' FEL

KICK OFF POINT (KOP)

NEW MEXICO EAST

NAD 1983

X=840007 Y=494352

LAT.: N 32.3553349

LONG.: W 103.3661176

NAD 1927

X=798823 Y=494292

LAT.: N 32.3552118

LONG.: W 103.3656436

50' FNL 660' FEL

FIRST PERF. POINT (FPP)

NEW MEXICO EAST

NAD 1983

X=840007 Y=494302

LAT.: N 32.3551975

LONG.: W 103.3661176

NAD 1927

X=798823 Y=494242

LAT.: N 32.3550743

LONG.: W 103.3656436

100' FNL 660' FEL

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

NEW MEXICO EAST

NAD 1983

X=840135 Y=478653

LAT.: N 32.3121842

LONG.: W 103.3661612

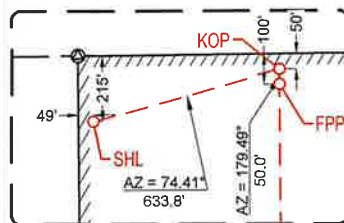
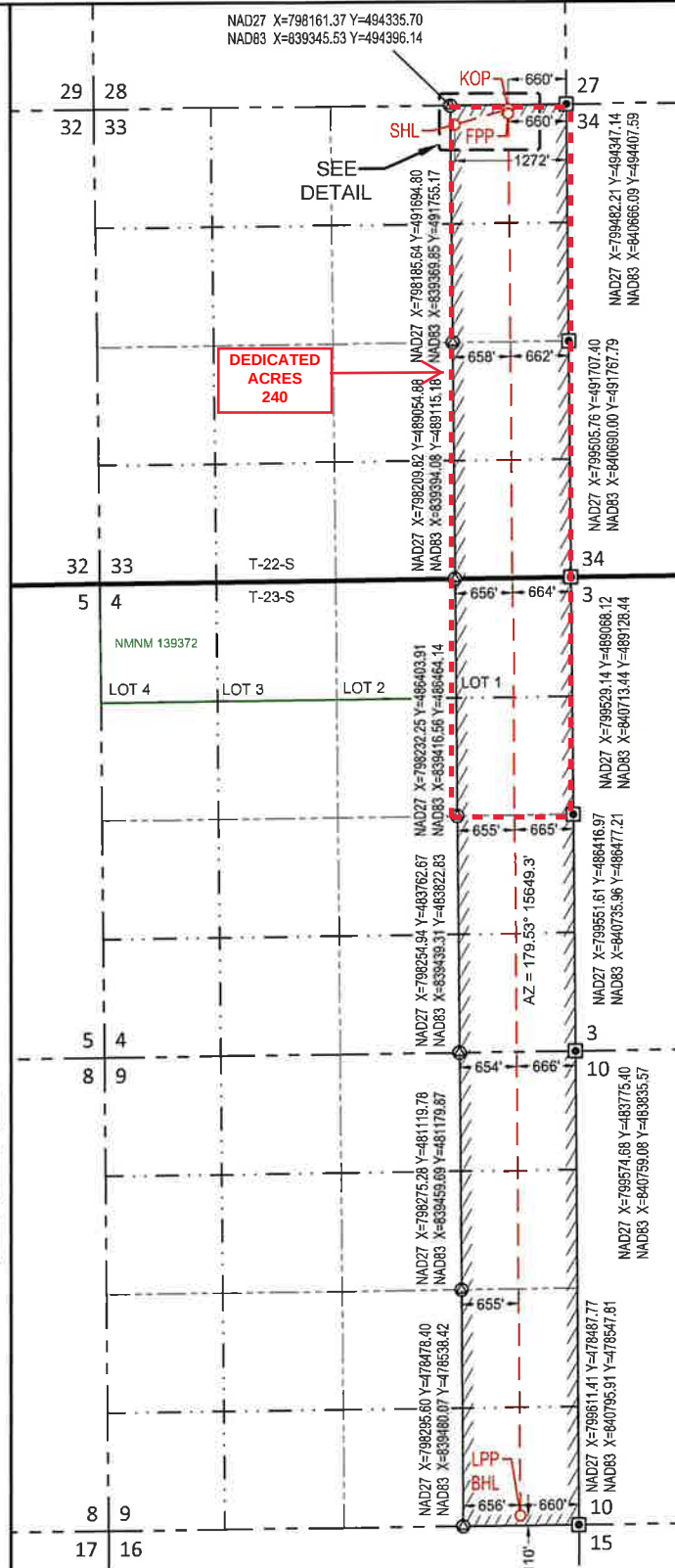
NAD 1927

X=798951 Y=478594

LAT.: N 32.3120606

LONG.: W 103.3656885

110' FSL 660' FEL

DETAIL VIEW
SCALE: 1" = 600'

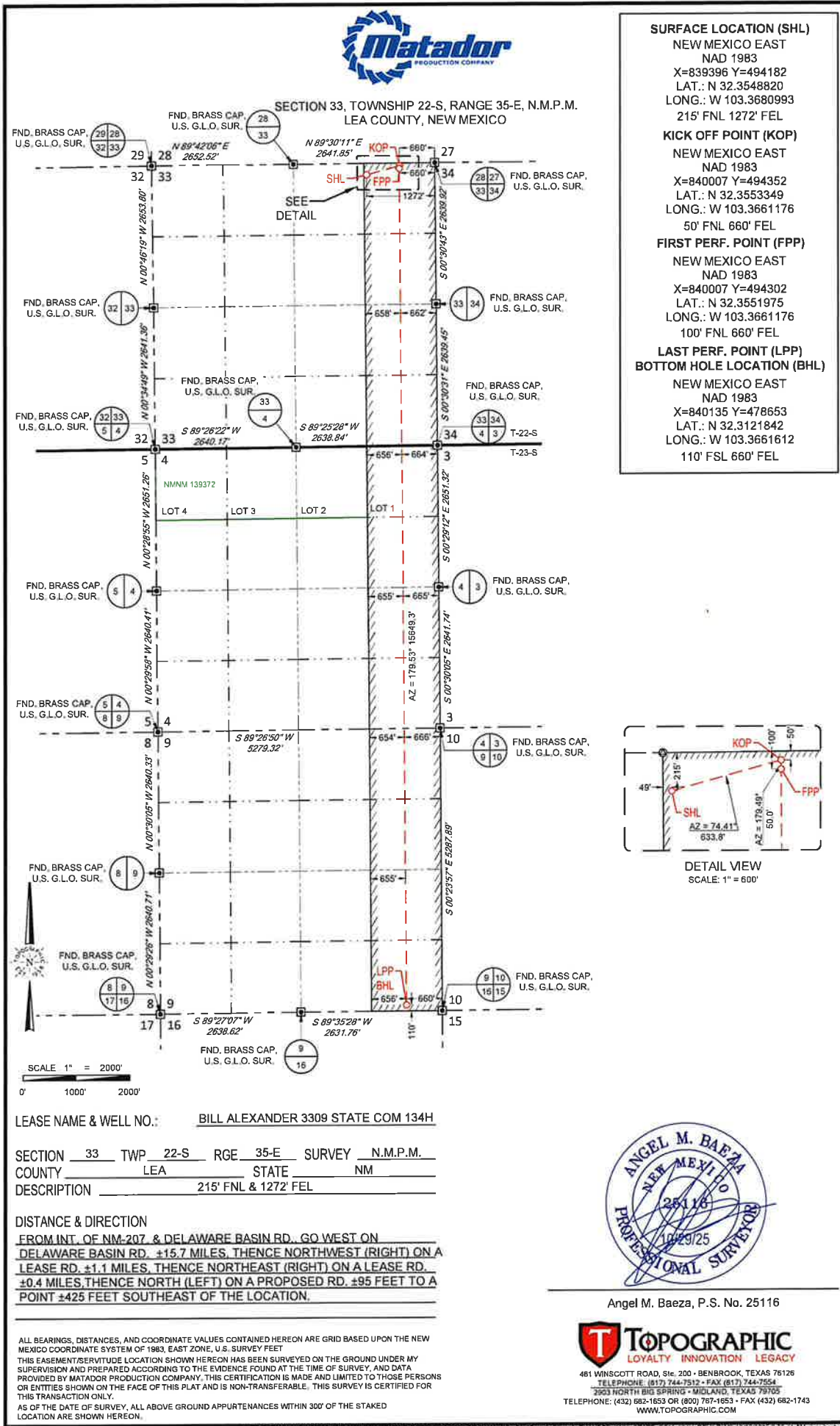
SURVEYORS CERTIFICATION

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.

Date of Survey

Signature and Seal of Professional Surveyor:



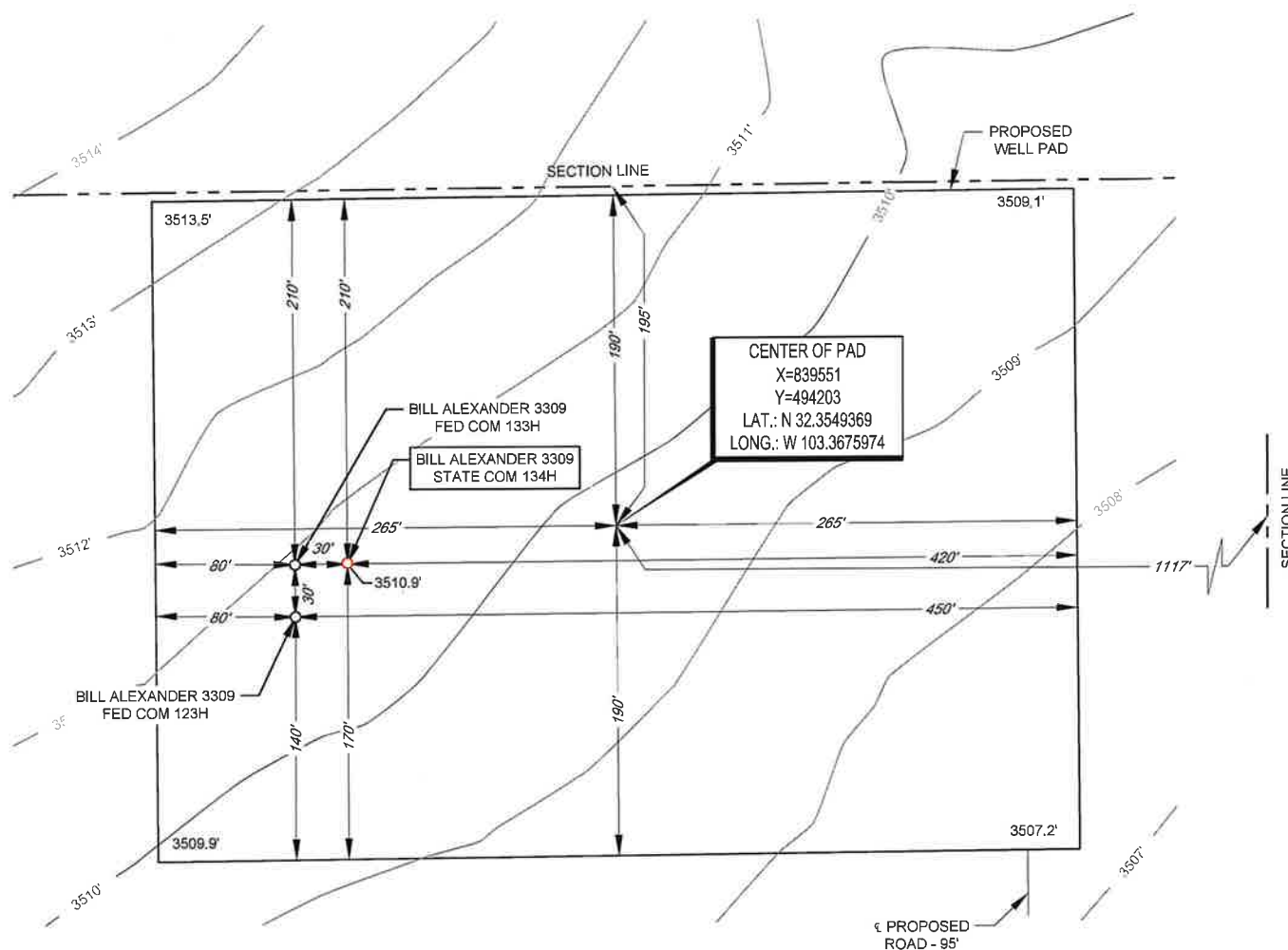




SECTION LINE
PROPOSED ROAD

DETAIL VIEW
SCALE: 1" = 100'

SECTION 33, TOWNSHIP 22-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



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

LEASE NAME & WELL NO.: BILL ALEXANDER 3309 STATE COM 134H
134H LATITUDE N 32.3548820 134H LONGITUDE W 103.3680993

CENTER OF PAD IS 195' FNL & 1117' 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"



481 WINSOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554

TELEPHONE: (817) 744-7512 • FAX (817) 744-7334
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

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 30-025-55408	Pool Code 52769	Pool Name ROCK LAKE; BONE SPRING, SOUTH
Property Code 337842	Property Name BILL ALEXANDER 3309 STATE COM	Well Number 134H
OGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 3511'
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	33	22-S	35-E	-	215' N	1272' E	N 32.3548820	W 103.3680993	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
P	9	23-S	35-E	-	110' S	660' E	N 32.3121842	W 103.3661612	LEA

Dedicated Acres 240.32	Infill or Defining Well Defining	Defining Well API Pending	Overlapping Spacing Unit (Y/N) Y	Consolidated Code C
Order Numbers N/A			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	33	22-S	35-E	-	50' N	660' E	N 32.3553349	W 103.3661176	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	33	22-S	35-E	-	100' N	660' E	N 32.3551975	W 103.3661176	LEA

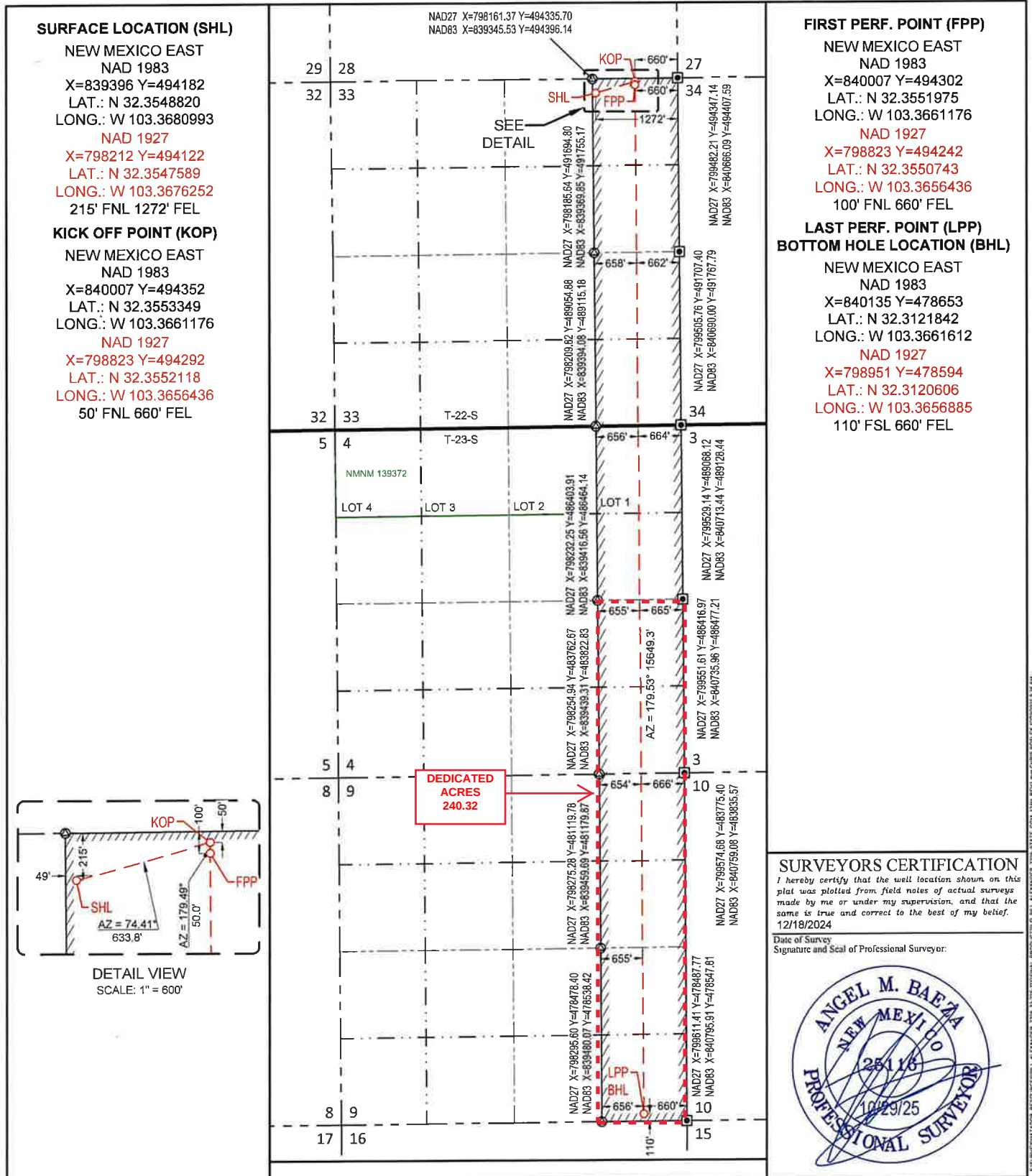
Last Take Point (LTP)

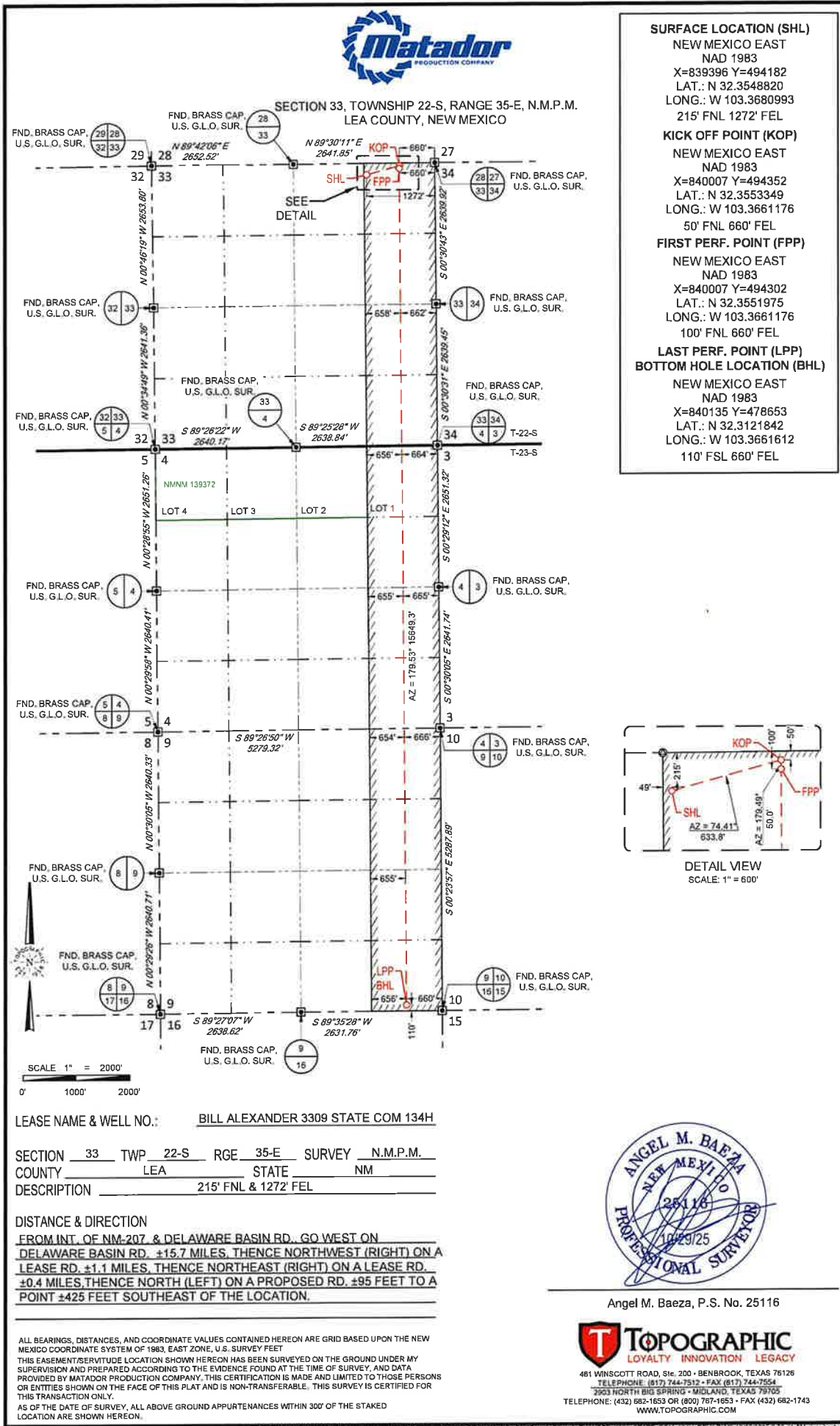
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
P	9	23-S	35-E	-	110' S	660' E	N 32.3121842	W 103.3661612	LEA

Unitized Area or Area of Uniform Interest N/A	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation 3536'
--	--	---------------------------------

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: <i>D. W. Johns</i> Date: <i>10/29/25</i> Print Name: <i>David W. Johns</i> E-mail Address: <i>djohns@matadorresources.com</i>		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: <i>12/18/2024</i>	
---	--	---	--

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☒ Initial Submittal
			☐ Amended Report ☐ As Drilled
Property Name and Well Number BILL ALEXANDER 3309 STATE COM 134H			



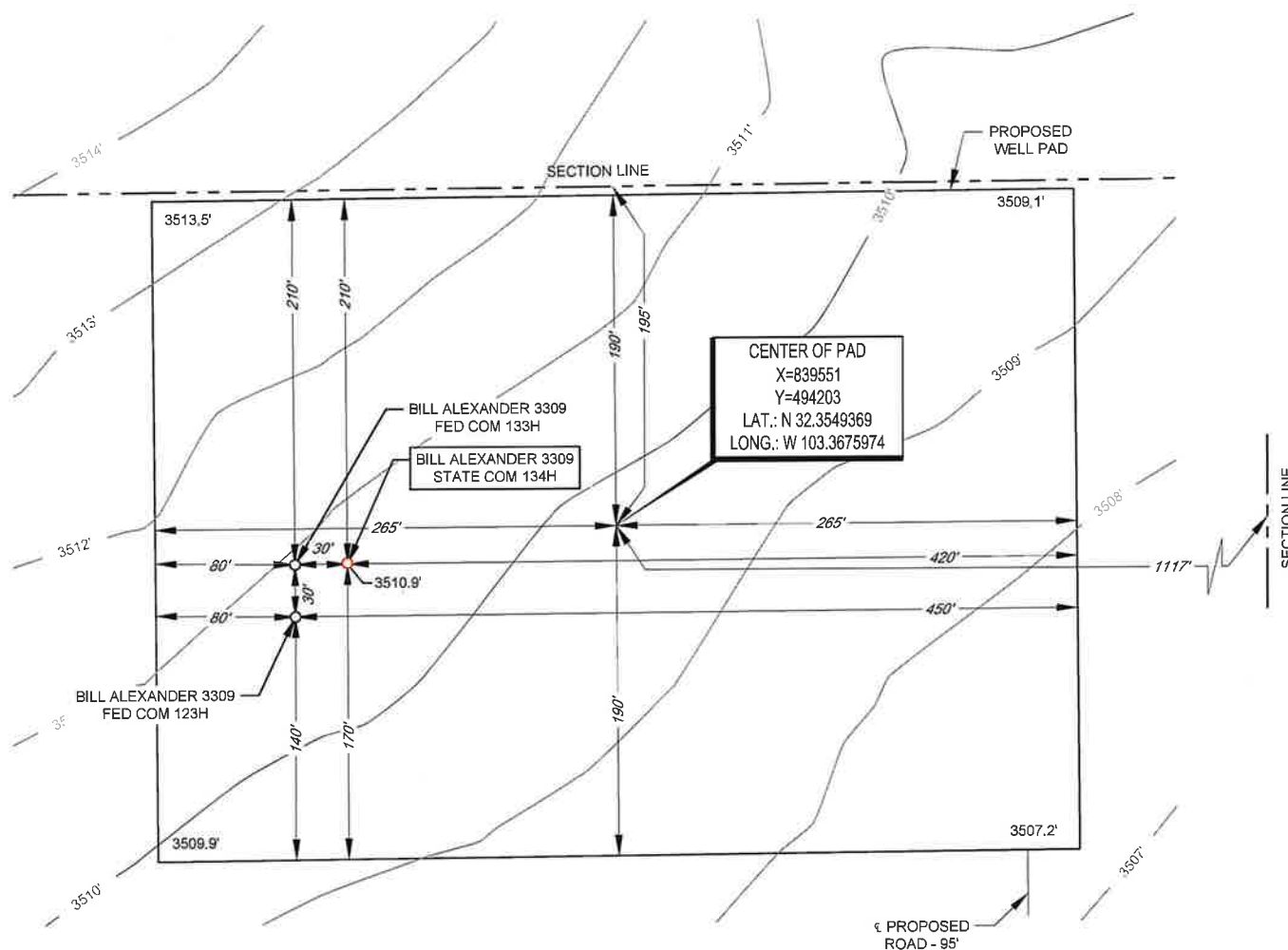




SECTION LINE
PROPOSED ROAD

DETAIL VIEW
SCALE: 1" = 100'

SECTION 33, TOWNSHIP 22-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



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

LEASE NAME & WELL NO.: BILL ALEXANDER 3309 STATE COM 134H
134H LATITUDE N 32.3548820 134H LONGITUDE W 103.3680993

CENTER OF PAD IS 195' FNL & 1117' 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"



481 WINSOOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554

TELEPHONE: (817) 744-7512 • FAX (817) 744-7334
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

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

General Information
Phone: (505) 629-6116

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

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

Form APD Conditions

Permit 402059

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-025-55408
	Well: Bill Alexander 3309 State Com #134H

OCD Reviewer	Condition
jeffrey.harrison	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.
jeffrey.harrison	All logs run on the well must be submitted to NMOCD.
jeffrey.harrison	The OCD is currently reviewing the areas containing the Capitan Reef Aquifer and may expand the designated 4-string casing area to encompass additional portions of it in the future.
jeffrey.harrison	This well is within the Capitan Reef aquifer zone. The first intermediate casing string shall be set and cemented back to surface immediately below the Capitan Reef.
jeffrey.harrison	In Capitan Reef areas if lost circulation (50% or greater) occurs below the base of the salt, the operator shall switch to freshwater mud until the intermediate casing is set.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate1 strings of casing.
jeffrey.harrison	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
jeffrey.harrison	To potentially avoid rejections of future administrative submissions for this well, the operator is encouraged to file a NOI change of plan sundry that more closely aligns the proposed well design requirements outlined in the conditions of approval for this permit.

Addendum to Natural Gas Management Plan for Matador's

**Bill Alexander 3309 State Com #112H, Bill Alexander 3309 State Com #120H,
Bill Alexander 3309 State Com #121H, Bill Alexander 3309 State Com #122H, Bill
Alexander 3309 State Com #123H, Bill Alexander 3309 State Com #131H,
Bill Alexander 3309 State Com #132H, Bill Alexander 3309 State Com #133H, Bill
Alexander 3309 State Com #134H**

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
Bill Alexander 3309 State Com #112H	900	1,400	1,600
Bill Alexander 3309 State Com #120H	1,100	1,500	2,100
Bill Alexander 3309 State Com #121H	700	1,100	1,400
Bill Alexander 3309 State Com #122H	700	1,100	1,400
Bill Alexander 3309 State Com #123H	700	1,100	1,400
Bill Alexander 3309 State Com #131H	1,100	1,500	2,100
Bill Alexander 3309 State Com #132H	1,100	1,500	2,100
Bill Alexander 3309 State Com #133H	1,100	1,500	2,100
Bill Alexander 3309 State Com #134H	1,100	1,500	2,100

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: Bill Alexander 3309 State Com #134H										
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	2025	0	980	0	Option to drill surface hole with surface setting rig
INT 1	Brine	9.875	7.625	P-110	29.70	10608	0	2200	0	Option to cement surface casing offline
PROD	OBM	6.75	5.5	P-110	20.00	26734	0	1640	9608	Option to run DV tool and Packer.

Matador Production Company

Antelope Ridge

Bill Alexander

Bill Alexander 3309 State Com #134H

Wellbore #1

BLM Plan #1

Anticollision Summary Report

29 October, 2025

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Bill Alexander 3309 State Com #134H
Project:	Antelope Ridge	TVD Reference:	KB @ 3539.5usft
Reference Site:	Bill Alexander	MD Reference:	KB @ 3539.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Bill Alexander 3309 State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Reference	BLM Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 2,326.7 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	10/29/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	26,733.6	BLM Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

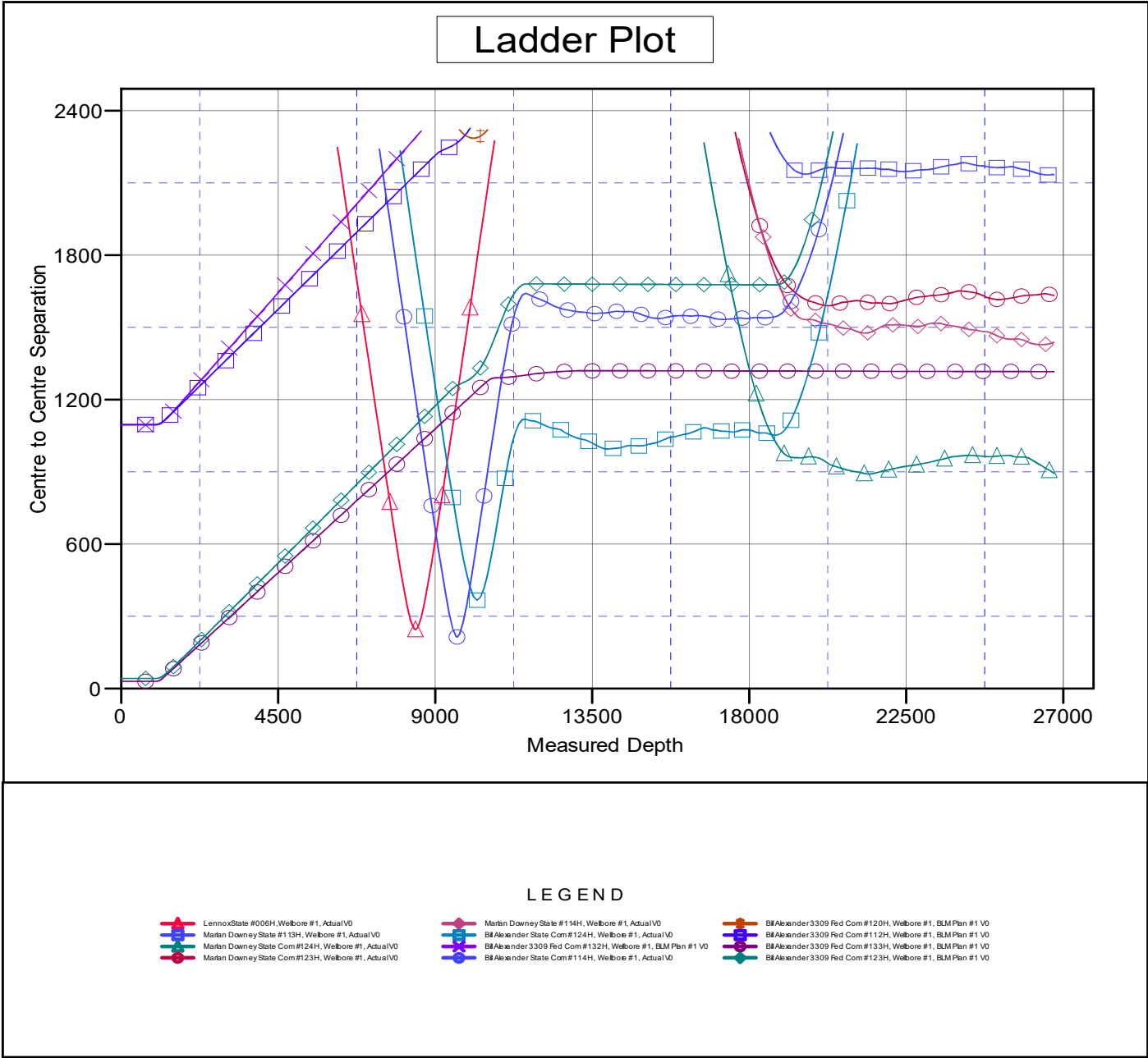
Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bill Alexander						
Bill Alexander 3309 Fed Com #112H - Wellbore #1 - BLM	912.5	923.5	1,097.1	1,090.9	179.221	CC
Bill Alexander 3309 Fed Com #112H - Wellbore #1 - BLM	1,000.0	1,008.0	1,097.1	1,090.3	162.848	ES
Bill Alexander 3309 Fed Com #112H - Wellbore #1 - BLM	9,700.0	9,623.7	2,275.4	2,206.8	33.177	SF
Bill Alexander 3309 Fed Com #120H - Wellbore #1 - BLM	10,099.6	26,248.4	2,285.9	2,137.0	15.345	CC
Bill Alexander 3309 Fed Com #120H - Wellbore #1 - BLM	10,100.0	26,248.4	2,285.9	2,137.0	15.345	ES
Bill Alexander 3309 Fed Com #120H - Wellbore #1 - BLM	10,200.0	26,248.4	2,288.1	2,138.8	15.320	SF
Bill Alexander 3309 Fed Com #123H - Wellbore #1 - BLM	1,000.0	1,000.0	42.4	35.7	6.324	CC, ES
Bill Alexander 3309 Fed Com #123H - Wellbore #1 - BLM	1,100.0	1,099.2	44.9	37.4	6.053	SF
Bill Alexander 3309 Fed Com #131H - Wellbore #1 - BLM						Out of range
Bill Alexander 3309 Fed Com #132H - Wellbore #1 - BLM	1,000.0	1,010.0	1,095.4	1,088.7	162.412	CC, ES
Bill Alexander 3309 Fed Com #132H - Wellbore #1 - BLM	8,600.0	8,398.5	2,315.7	2,255.2	38.267	SF
Bill Alexander 3309 Fed Com #133H - Wellbore #1 - BLM	1,000.0	1,000.0	30.0	23.3	4.474	CC, ES
Bill Alexander 3309 Fed Com #133H - Wellbore #1 - BLM	26,733.6	26,735.2	1,316.0	793.9	2.521	SF
Bill Alexander State Com #111H - Wellbore #1 - Wellbore						Out of range
Bill Alexander State Com #114H - Wellbore #1 - Actual	9,629.5	17,801.0	214.7	44.3	1.260	Level 3, CC, ES, SF
Bill Alexander State Com #124H - Wellbore #1 - Actual	10,200.0	18,346.0	367.3	191.6	2.090	SF
Bill Alexander State Com #124H - Wellbore #1 - Actual	10,203.7	18,346.0	367.3	191.6	2.090	CC, ES
Marlan Downey State						
Marlan Downey State #111H - Wellbore #1 - Actual						Out of range
Marlan Downey State #113H - Wellbore #1 - Actual	26,571.3	17,205.8	2,133.6	1,820.2	6.807	CC
Marlan Downey State #113H - Wellbore #1 - Actual	26,733.6	17,314.7	2,135.1	1,819.0	6.755	ES, SF
Marlan Downey State #114H - Wellbore #1 - Actual	25,900.0	25,900.0	1,445.2	1,185.4	5.563	ES, SF
Marlan Downey State #114H - Wellbore #1 - Actual	26,379.3	16,946.5	1,428.7	1,236.3	7.426	CC
Marlan Downey State Com #121H - Wellbore #1 - Actual						Out of range
Marlan Downey State Com #122H - Wellbore #1 - Actual						Out of range
Marlan Downey State Com #123H - Wellbore #1 - Actual	20,299.6	11,494.7	1,590.1	1,419.1	9.300	CC
Marlan Downey State Com #123H - Wellbore #1 - Actual	25,000.0	25,000.0	1,618.3	1,214.2	4.004	ES, SF
Marlan Downey State Com #124H - Wellbore #1 - Actual	21,433.7	13,065.8	891.4	781.9	8.145	CC
Marlan Downey State Com #124H - Wellbore #1 - Actual	26,733.6	18,465.5	894.4	705.5	4.735	ES, SF
Offset Wells in Antelope Ridge						
Lennox State #006H - Wellbore #1 - Actual	8,435.5	13,120.1	245.3	93.8	1.619	CC, ES, SF

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

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Bill Alexander 3309 State Com #134H
Project:	Antelope Ridge	TVD Reference:	KB @ 3539.5usft
Reference Site:	Bill Alexander	MD Reference:	KB @ 3539.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Bill Alexander 3309 State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3539.5usft	Coordinates are relative to: Bill Alexander 3309 State Com #134H
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Central Meridian is 104° 20' 0.000 W	Grid Convergence at Surface is: 0.52°



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

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Bill Alexander 3309 State Com #134H
Project:	Antelope Ridge	TVD Reference:	KB @ 3539.5usft
Reference Site:	Bill Alexander	MD Reference:	KB @ 3539.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Bill Alexander 3309 State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3539.5usft

Offset Depths are relative to Offset Datum

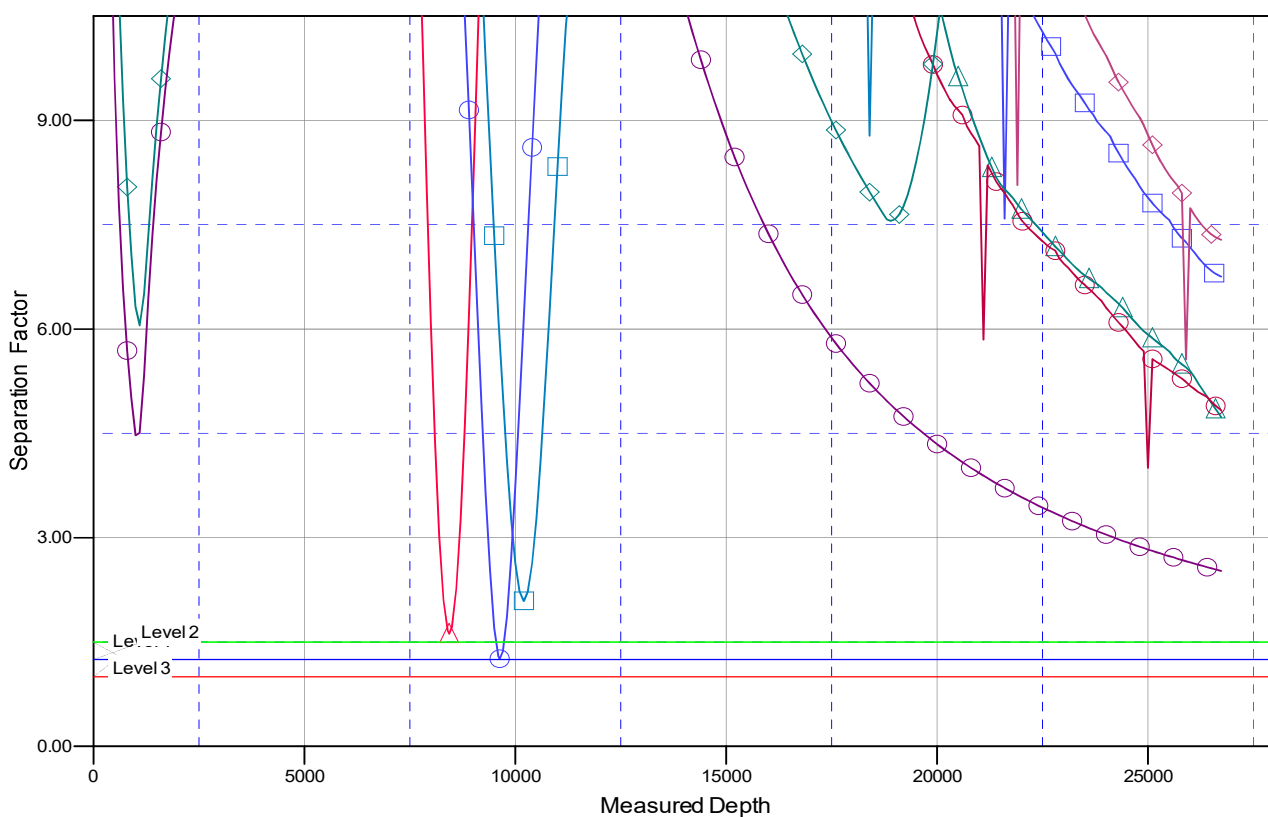
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Bill Alexander 3309 State Com #134H

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

Grid Convergence at Surface is: 0.52°

Separation Factor Plot



LEGEND

LennoxState #006H, Wellbore #1, ActualV0	Marlin Downey State #114H, Wellbore #1, ActualV0	Bl Alexander 3309 Fed Com #120H, Wellbore #1, BLM Plan #1 V0
Marlin Downey State #113H, Wellbore #1, ActualV0	Bl Alexander State Com #124H, Wellbore #1, ActualV0	Bl Alexander 3309 Fed Com #112H, Wellbore #1, BLM Plan #1 V0
Marlin Downey State Com #124H, Wellbore #1, ActualV0	Bl Alexander 3309 Fed Com #132H, Wellbore #1, BLM Plan #1 V0	Bl Alexander 3309 Fed Com #133H, Wellbore #1, BLM Plan #1 V0
Marlin Downey State Com #123H, Wellbore #1, ActualV0	Bl Alexander State Com #114H, Wellbore #1, ActualV0	Bl Alexander 3309 Fed Com #123H, Wellbore #1, BLM Plan #1 V0

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

Matador Production Company

Antelope Ridge

Bill Alexander

Bill Alexander 3309 State Com #134H

Wellbore #1

Plan: BLM Plan #1

Standard Planning Report

29 October, 2025

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Bill Alexander 3309 State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3539.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3539.5usft
Site:	Bill Alexander	North Reference:	Grid
Well:	Bill Alexander 3309 State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM 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		

Site	Bill Alexander					
Site Position:		Northing:	486,149.30 usft	Latitude:	32° 19' 58.420 N	
From:	Lat/Long	Easting:	796,250.33 usft	Longitude:	103° 22' 27.151 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.51 °

Well	Bill Alexander 3309 State Com #134H					
Well Position	+N/-S	7,972.7 usft	Northing:	494,122.00 usft	Latitude:	32° 21' 17.134 N
	+E/-W	1,961.7 usft	Easting:	798,212.00 usft	Longitude:	103° 22' 3.452 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,511.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2024	6.04	60.11	47,258.96664916

Design		BLM Plan #1			
Audit Notes:					
Version:	1	Phase:	PROTOTYPE		Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)		+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0		0.0	0.0	179.53

Plan Survey Tool Program		Date	10/29/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	26,733.6	BLM Plan #1 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,191.7	3.83	74.45	1,191.6	1.7	6.2	2.00	2.00	0.00	74.45	
10,452.5	3.83	74.45	10,431.6	167.7	602.8	0.00	0.00	0.00	0.00	
10,708.1	0.00	0.00	10,687.0	170.0	611.0	1.50	-1.50	0.00	180.00	KOP - Bill Alexander 3
11,608.1	90.00	179.53	11,260.0	-402.9	615.7	10.00	10.00	0.00	179.53	
11,659.1	90.00	179.53	11,260.0	-453.9	616.1	0.00	0.00	0.00	0.00	
26,733.6	90.00	179.53	11,260.0	-15,528.0	739.0	0.00	0.00	0.00	0.00	BHL - Bill Alexander 3

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Bill Alexander 3309 State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3539.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3539.5usft
Site:	Bill Alexander	North Reference:	Grid
Well:	Bill Alexander 3309 State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
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
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	74.45	1,100.0	0.5	1.7	-0.5	2.00	2.00	0.00
1,191.7	3.83	74.45	1,191.6	1.7	6.2	-1.7	2.00	2.00	0.00
Start 9260.7 hold at 1191.7 MD									
1,200.0	3.83	74.45	1,199.8	1.9	6.7	-1.8	0.00	0.00	0.00
1,300.0	3.83	74.45	1,299.6	3.7	13.2	-3.6	0.00	0.00	0.00
1,400.0	3.83	74.45	1,399.4	5.5	19.6	-5.3	0.00	0.00	0.00
1,500.0	3.83	74.45	1,499.2	7.2	26.0	-7.0	0.00	0.00	0.00
1,600.0	3.83	74.45	1,598.9	9.0	32.5	-8.8	0.00	0.00	0.00
1,700.0	3.83	74.45	1,698.7	10.8	38.9	-10.5	0.00	0.00	0.00
1,800.0	3.83	74.45	1,798.5	12.6	45.4	-12.2	0.00	0.00	0.00
1,900.0	3.83	74.45	1,898.3	14.4	51.8	-14.0	0.00	0.00	0.00
2,000.0	3.83	74.45	1,998.0	16.2	58.2	-15.7	0.00	0.00	0.00
Rustler									
2,100.0	3.83	74.45	2,097.8	18.0	64.7	-17.5	0.00	0.00	0.00
2,200.0	3.83	74.45	2,197.6	19.8	71.1	-19.2	0.00	0.00	0.00
2,300.0	3.83	74.45	2,297.4	21.6	77.6	-20.9	0.00	0.00	0.00
2,400.0	3.83	74.45	2,397.2	23.4	84.0	-22.7	0.00	0.00	0.00
2,500.0	3.83	74.45	2,496.9	25.2	90.5	-24.4	0.00	0.00	0.00
2,600.0	3.83	74.45	2,596.7	27.0	96.9	-26.2	0.00	0.00	0.00
2,700.0	3.83	74.45	2,696.5	28.8	103.3	-27.9	0.00	0.00	0.00
2,708.5	3.83	74.45	2,705.0	28.9	103.9	-28.1	0.00	0.00	0.00
Salado									
2,800.0	3.83	74.45	2,796.3	30.5	109.8	-29.6	0.00	0.00	0.00
2,900.0	3.83	74.45	2,896.0	32.3	116.2	-31.4	0.00	0.00	0.00
3,000.0	3.83	74.45	2,995.8	34.1	122.7	-33.1	0.00	0.00	0.00
3,100.0	3.83	74.45	3,095.6	35.9	129.1	-34.9	0.00	0.00	0.00
3,200.0	3.83	74.45	3,195.4	37.7	135.6	-36.6	0.00	0.00	0.00
3,300.0	3.83	74.45	3,295.1	39.5	142.0	-38.3	0.00	0.00	0.00
3,400.0	3.83	74.45	3,394.9	41.3	148.4	-40.1	0.00	0.00	0.00
3,500.0	3.83	74.45	3,494.7	43.1	154.9	-41.8	0.00	0.00	0.00
3,600.0	3.83	74.45	3,594.5	44.9	161.3	-43.6	0.00	0.00	0.00
3,700.0	3.83	74.45	3,694.2	46.7	167.8	-45.3	0.00	0.00	0.00
3,800.0	3.83	74.45	3,794.0	48.5	174.2	-47.0	0.00	0.00	0.00
3,900.0	3.83	74.45	3,893.8	50.3	180.6	-48.8	0.00	0.00	0.00
4,000.0	3.83	74.45	3,993.6	52.1	187.1	-50.5	0.00	0.00	0.00
4,100.0	3.83	74.45	4,093.3	53.8	193.5	-52.3	0.00	0.00	0.00
4,200.0	3.83	74.45	4,193.1	55.6	200.0	-54.0	0.00	0.00	0.00
4,224.9	3.83	74.45	4,218.0	56.1	201.6	-54.4	0.00	0.00	0.00
G30:CS14-CSB									
4,300.0	3.83	74.45	4,292.9	57.4	206.4	-55.7	0.00	0.00	0.00
4,400.0	3.83	74.45	4,392.7	59.2	212.9	-57.5	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Bill Alexander 3309 State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3539.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3539.5usft
Site:	Bill Alexander	North Reference:	Grid
Well:	Bill Alexander 3309 State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,500.0	3.83	74.45	4,492.5	61.0	219.3	-59.2	0.00	0.00	0.00
4,600.0	3.83	74.45	4,592.2	62.8	225.7	-61.0	0.00	0.00	0.00
4,700.0	3.83	74.45	4,692.0	64.6	232.2	-62.7	0.00	0.00	0.00
4,800.0	3.83	74.45	4,791.8	66.4	238.6	-64.4	0.00	0.00	0.00
4,900.0	3.83	74.45	4,891.6	68.2	245.1	-66.2	0.00	0.00	0.00
4,930.5	3.83	74.45	4,922.0	68.7	247.0	-66.7	0.00	0.00	0.00
Capitan (T)									
5,000.0	3.83	74.45	4,991.3	70.0	251.5	-67.9	0.00	0.00	0.00
5,100.0	3.83	74.45	5,091.1	71.8	258.0	-69.7	0.00	0.00	0.00
5,200.0	3.83	74.45	5,190.9	73.6	264.4	-71.4	0.00	0.00	0.00
5,300.0	3.83	74.45	5,290.7	75.4	270.8	-73.1	0.00	0.00	0.00
5,400.0	3.83	74.45	5,390.4	77.1	277.3	-74.9	0.00	0.00	0.00
5,500.0	3.83	74.45	5,490.2	78.9	283.7	-76.6	0.00	0.00	0.00
5,600.0	3.83	74.45	5,590.0	80.7	290.2	-78.4	0.00	0.00	0.00
5,700.0	3.83	74.45	5,689.8	82.5	296.6	-80.1	0.00	0.00	0.00
5,800.0	3.83	74.45	5,789.5	84.3	303.0	-81.8	0.00	0.00	0.00
5,900.0	3.83	74.45	5,889.3	86.1	309.5	-83.6	0.00	0.00	0.00
6,000.0	3.83	74.45	5,989.1	87.9	315.9	-85.3	0.00	0.00	0.00
6,100.0	3.83	74.45	6,088.9	89.7	322.4	-87.0	0.00	0.00	0.00
6,123.2	3.83	74.45	6,112.0	90.1	323.9	-87.5	0.00	0.00	0.00
G26: Bell Cyn.									
6,200.0	3.83	74.45	6,188.6	91.5	328.8	-88.8	0.00	0.00	0.00
6,300.0	3.83	74.45	6,288.4	93.3	335.3	-90.5	0.00	0.00	0.00
6,400.0	3.83	74.45	6,388.2	95.1	341.7	-92.3	0.00	0.00	0.00
6,463.9	3.83	74.45	6,452.0	96.2	345.8	-93.4	0.00	0.00	0.00
G13: Cherry Cyn.									
6,500.0	3.83	74.45	6,488.0	96.9	348.1	-94.0	0.00	0.00	0.00
6,600.0	3.83	74.45	6,587.8	98.7	354.6	-95.7	0.00	0.00	0.00
6,700.0	3.83	74.45	6,687.5	100.4	361.0	-97.5	0.00	0.00	0.00
6,800.0	3.83	74.45	6,787.3	102.2	367.5	-99.2	0.00	0.00	0.00
6,900.0	3.83	74.45	6,887.1	104.0	373.9	-101.0	0.00	0.00	0.00
7,000.0	3.83	74.45	6,986.9	105.8	380.4	-102.7	0.00	0.00	0.00
7,100.0	3.83	74.45	7,086.6	107.6	386.8	-104.4	0.00	0.00	0.00
7,200.0	3.83	74.45	7,186.4	109.4	393.2	-106.2	0.00	0.00	0.00
7,300.0	3.83	74.45	7,286.2	111.2	399.7	-107.9	0.00	0.00	0.00
7,400.0	3.83	74.45	7,386.0	113.0	406.1	-109.7	0.00	0.00	0.00
7,500.0	3.83	74.45	7,485.7	114.8	412.6	-111.4	0.00	0.00	0.00
7,531.3	3.83	74.45	7,517.0	115.4	414.6	-111.9	0.00	0.00	0.00
G7: Brushy Cyn.									
7,600.0	3.83	74.45	7,585.5	116.6	419.0	-113.1	0.00	0.00	0.00
7,700.0	3.83	74.45	7,685.3	118.4	425.4	-114.9	0.00	0.00	0.00
7,800.0	3.83	74.45	7,785.1	120.2	431.9	-116.6	0.00	0.00	0.00
7,900.0	3.83	74.45	7,884.8	122.0	438.3	-118.4	0.00	0.00	0.00
8,000.0	3.83	74.45	7,984.6	123.8	444.8	-120.1	0.00	0.00	0.00
8,100.0	3.83	74.45	8,084.4	125.5	451.2	-121.8	0.00	0.00	0.00
8,200.0	3.83	74.45	8,184.2	127.3	457.7	-123.6	0.00	0.00	0.00
8,300.0	3.83	74.45	8,283.9	129.1	464.1	-125.3	0.00	0.00	0.00
8,400.0	3.83	74.45	8,383.7	130.9	470.5	-127.1	0.00	0.00	0.00
8,430.3	3.83	74.45	8,414.0	131.5	472.5	-127.6	0.00	0.00	0.00
G5: L. Brushy Cyn.									
8,500.0	3.83	74.45	8,483.5	132.7	477.0	-128.8	0.00	0.00	0.00
8,600.0	3.83	74.45	8,583.3	134.5	483.4	-130.5	0.00	0.00	0.00
8,700.0	3.83	74.45	8,683.1	136.3	489.9	-132.3	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Bill Alexander 3309 State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3539.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3539.5usft
Site:	Bill Alexander	North Reference:	Grid
Well:	Bill Alexander 3309 State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,729.0	3.83	74.45	8,712.0	136.8	491.7	-132.8	0.00	0.00	0.00	
G4: BSG (CS9)										
8,800.0	3.83	74.45	8,782.8	138.1	496.3	-134.0	0.00	0.00	0.00	
8,856.3	3.83	74.45	8,839.0	139.1	499.9	-135.0	0.00	0.00	0.00	
L8.2: U. Avalon Shale										
8,900.0	3.83	74.45	8,882.6	139.9	502.8	-135.8	0.00	0.00	0.00	
9,000.0	3.83	74.45	8,982.4	141.7	509.2	-137.5	0.00	0.00	0.00	
9,072.8	3.83	74.45	9,055.0	143.0	513.9	-138.8	0.00	0.00	0.00	
L6.3: Avalon Carb										
9,100.0	3.83	74.45	9,082.2	143.5	515.6	-139.2	0.00	0.00	0.00	
9,200.0	3.83	74.45	9,181.9	145.3	522.1	-141.0	0.00	0.00	0.00	
9,300.0	3.83	74.45	9,281.7	147.1	528.5	-142.7	0.00	0.00	0.00	
9,400.0	3.83	74.45	9,381.5	148.8	535.0	-144.5	0.00	0.00	0.00	
9,500.0	3.83	74.45	9,481.3	150.6	541.4	-146.2	0.00	0.00	0.00	
9,600.0	3.83	74.45	9,581.0	152.4	547.8	-147.9	0.00	0.00	0.00	
9,683.1	3.83	74.45	9,664.0	153.9	553.2	-149.4	0.00	0.00	0.00	
L5.3: FBSC										
9,700.0	3.83	74.45	9,680.8	154.2	554.3	-149.7	0.00	0.00	0.00	
9,744.3	3.83	74.45	9,725.0	155.0	557.1	-150.4	0.00	0.00	0.00	
L5.1: FBSC										
9,800.0	3.83	74.45	9,780.6	156.0	560.7	-151.4	0.00	0.00	0.00	
9,900.0	3.83	74.45	9,880.4	157.8	567.2	-153.1	0.00	0.00	0.00	
10,000.0	3.83	74.45	9,980.1	159.6	573.6	-154.9	0.00	0.00	0.00	
10,009.9	3.83	74.45	9,990.0	159.8	574.3	-155.1	0.00	0.00	0.00	
L4.3: SBSC										
10,100.0	3.83	74.45	10,079.9	161.4	580.1	-156.6	0.00	0.00	0.00	
10,200.0	3.83	74.45	10,179.7	163.2	586.5	-158.4	0.00	0.00	0.00	
10,266.5	3.83	74.45	10,246.0	164.4	590.8	-159.5	0.00	0.00	0.00	
L4.1: SBSC										
10,300.0	3.83	74.45	10,279.5	165.0	592.9	-160.1	0.00	0.00	0.00	
10,400.0	3.83	74.45	10,379.2	166.8	599.4	-161.8	0.00	0.00	0.00	
10,452.5	3.83	74.45	10,431.6	167.7	602.8	-162.8	0.00	0.00	0.00	
Start Drop -1.50										
10,500.0	3.12	74.45	10,479.0	168.5	605.5	-163.5	1.50	-1.50	0.00	
10,600.0	1.62	74.45	10,579.0	169.6	609.5	-164.6	1.50	-1.50	0.00	
10,700.0	0.12	74.45	10,678.9	170.0	611.0	-165.0	1.50	-1.50	0.00	
10,708.1	0.00	0.00	10,687.0	170.0	611.0	-165.0	1.50	-1.50	0.00	
Start Build 10.00 - KOP - Bill Alexander 3309 Fed Com #134H										
10,800.0	9.19	179.53	10,778.5	162.6	611.1	-157.6	10.00	10.00	0.00	
10,900.0	19.19	179.53	10,875.4	138.2	611.3	-133.1	10.00	10.00	0.00	
10,949.2	24.11	179.53	10,921.1	120.0	611.4	-115.0	10.00	10.00	0.00	
FTP - Bill Alexander 3309 Fed Com #134H										
11,000.0	29.19	179.53	10,966.5	97.2	611.6	-92.2	10.00	10.00	0.00	
11,100.0	39.19	179.53	11,049.1	41.1	612.1	-36.1	10.00	10.00	0.00	
11,169.3	46.12	179.53	11,100.0	-5.8	612.4	10.8	10.00	10.00	0.00	
TBSG										
11,200.0	49.19	179.53	11,120.7	-28.5	612.6	33.5	10.00	10.00	0.00	
11,300.0	59.19	179.53	11,179.1	-109.5	613.3	114.5	10.00	10.00	0.00	
11,400.0	69.19	179.53	11,222.6	-199.4	614.0	204.5	10.00	10.00	0.00	
11,500.0	79.19	179.53	11,249.8	-295.5	614.8	300.6	10.00	10.00	0.00	
11,600.0	89.19	179.53	11,259.9	-394.9	615.6	399.9	10.00	10.00	0.00	
11,608.1	90.00	179.53	11,260.0	-402.9	615.7	408.0	10.00	10.00	0.00	

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Bill Alexander 3309 State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3539.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3539.5usft
Site:	Bill Alexander	North Reference:	Grid
Well:	Bill Alexander 3309 State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Start 51.0 hold at 11608.1 MD									
11,659.1	90.00	179.53	11,260.0	-453.9	616.1	459.0	0.00	0.00	0.00
Start 15074.6 hold at 11659.1 MD									
11,700.0	90.00	179.53	11,260.0	-494.9	616.5	499.9	0.00	0.00	0.00
11,800.0	90.00	179.53	11,260.0	-594.9	617.3	599.9	0.00	0.00	0.00
11,900.0	90.00	179.53	11,260.0	-694.9	618.1	699.9	0.00	0.00	0.00
12,000.0	90.00	179.53	11,260.0	-794.9	618.9	799.9	0.00	0.00	0.00
12,100.0	90.00	179.53	11,260.0	-894.9	619.7	899.9	0.00	0.00	0.00
12,200.0	90.00	179.53	11,260.0	-994.9	620.6	999.9	0.00	0.00	0.00
12,300.0	90.00	179.53	11,260.0	-1,094.9	621.4	1,099.9	0.00	0.00	0.00
12,400.0	90.00	179.53	11,260.0	-1,194.9	622.2	1,199.9	0.00	0.00	0.00
12,500.0	90.00	179.53	11,260.0	-1,294.8	623.0	1,299.9	0.00	0.00	0.00
12,600.0	90.00	179.53	11,260.0	-1,394.8	623.8	1,399.9	0.00	0.00	0.00
12,700.0	90.00	179.53	11,260.0	-1,494.8	624.7	1,499.9	0.00	0.00	0.00
12,800.0	90.00	179.53	11,260.0	-1,594.8	625.5	1,599.9	0.00	0.00	0.00
12,900.0	90.00	179.53	11,260.0	-1,694.8	626.3	1,699.9	0.00	0.00	0.00
13,000.0	90.00	179.53	11,260.0	-1,794.8	627.1	1,799.9	0.00	0.00	0.00
13,100.0	90.00	179.53	11,260.0	-1,894.8	627.9	1,899.9	0.00	0.00	0.00
13,200.0	90.00	179.53	11,260.0	-1,994.8	628.8	1,999.9	0.00	0.00	0.00
13,300.0	90.00	179.53	11,260.0	-2,094.8	629.6	2,099.9	0.00	0.00	0.00
13,400.0	90.00	179.53	11,260.0	-2,194.8	630.4	2,199.9	0.00	0.00	0.00
13,500.0	90.00	179.53	11,260.0	-2,294.8	631.2	2,299.9	0.00	0.00	0.00
13,600.0	90.00	179.53	11,260.0	-2,394.8	632.0	2,399.9	0.00	0.00	0.00
13,700.0	90.00	179.53	11,260.0	-2,494.8	632.9	2,499.9	0.00	0.00	0.00
13,800.0	90.00	179.53	11,260.0	-2,594.8	633.7	2,599.9	0.00	0.00	0.00
13,900.0	90.00	179.53	11,260.0	-2,694.8	634.5	2,699.9	0.00	0.00	0.00
14,000.0	90.00	179.53	11,260.0	-2,794.8	635.3	2,799.9	0.00	0.00	0.00
14,100.0	90.00	179.53	11,260.0	-2,894.8	636.1	2,899.9	0.00	0.00	0.00
14,200.0	90.00	179.53	11,260.0	-2,994.8	637.0	2,999.9	0.00	0.00	0.00
14,300.0	90.00	179.53	11,260.0	-3,094.8	637.8	3,099.9	0.00	0.00	0.00
14,400.0	90.00	179.53	11,260.0	-3,194.8	638.6	3,199.9	0.00	0.00	0.00
14,500.0	90.00	179.53	11,260.0	-3,294.8	639.4	3,299.9	0.00	0.00	0.00
14,600.0	90.00	179.53	11,260.0	-3,394.8	640.2	3,399.9	0.00	0.00	0.00
14,700.0	90.00	179.53	11,260.0	-3,494.8	641.1	3,499.9	0.00	0.00	0.00
14,800.0	90.00	179.53	11,260.0	-3,594.8	641.9	3,599.9	0.00	0.00	0.00
14,900.0	90.00	179.53	11,260.0	-3,694.8	642.7	3,699.9	0.00	0.00	0.00
15,000.0	90.00	179.53	11,260.0	-3,794.8	643.5	3,799.9	0.00	0.00	0.00
15,100.0	90.00	179.53	11,260.0	-3,894.8	644.3	3,899.9	0.00	0.00	0.00
15,200.0	90.00	179.53	11,260.0	-3,994.8	645.2	3,999.9	0.00	0.00	0.00
15,300.0	90.00	179.53	11,260.0	-4,094.8	646.0	4,099.9	0.00	0.00	0.00
15,400.0	90.00	179.53	11,260.0	-4,194.7	646.8	4,199.9	0.00	0.00	0.00
15,500.0	90.00	179.53	11,260.0	-4,294.7	647.6	4,299.9	0.00	0.00	0.00
15,600.0	90.00	179.53	11,260.0	-4,394.7	648.4	4,399.9	0.00	0.00	0.00
15,700.0	90.00	179.53	11,260.0	-4,494.7	649.3	4,499.9	0.00	0.00	0.00
15,800.0	90.00	179.53	11,260.0	-4,594.7	650.1	4,599.9	0.00	0.00	0.00
15,900.0	90.00	179.53	11,260.0	-4,694.7	650.9	4,699.9	0.00	0.00	0.00
16,000.0	90.00	179.53	11,260.0	-4,794.7	651.7	4,799.9	0.00	0.00	0.00
16,100.0	90.00	179.53	11,260.0	-4,894.7	652.5	4,899.9	0.00	0.00	0.00
16,200.0	90.00	179.53	11,260.0	-4,994.7	653.4	4,999.9	0.00	0.00	0.00
16,300.0	90.00	179.53	11,260.0	-5,094.7	654.2	5,099.9	0.00	0.00	0.00
16,400.0	90.00	179.53	11,260.0	-5,194.7	655.0	5,199.9	0.00	0.00	0.00
16,500.0	90.00	179.53	11,260.0	-5,294.7	655.8	5,299.9	0.00	0.00	0.00
16,600.0	90.00	179.53	11,260.0	-5,394.7	656.6	5,399.9	0.00	0.00	0.00
16,700.0	90.00	179.53	11,260.0	-5,494.7	657.5	5,499.9	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Bill Alexander 3309 State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3539.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3539.5usft
Site:	Bill Alexander	North Reference:	Grid
Well:	Bill Alexander 3309 State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,800.0	90.00	179.53	11,260.0	-5,594.7	658.3	5,599.9	0.00	0.00	0.00
16,900.0	90.00	179.53	11,260.0	-5,694.7	659.1	5,699.9	0.00	0.00	0.00
17,000.0	90.00	179.53	11,260.0	-5,794.7	659.9	5,799.9	0.00	0.00	0.00
17,100.0	90.00	179.53	11,260.0	-5,894.7	660.7	5,899.9	0.00	0.00	0.00
17,200.0	90.00	179.53	11,260.0	-5,994.7	661.6	5,999.9	0.00	0.00	0.00
17,300.0	90.00	179.53	11,260.0	-6,094.7	662.4	6,099.9	0.00	0.00	0.00
17,400.0	90.00	179.53	11,260.0	-6,194.7	663.2	6,199.9	0.00	0.00	0.00
17,500.0	90.00	179.53	11,260.0	-6,294.7	664.0	6,299.9	0.00	0.00	0.00
17,600.0	90.00	179.53	11,260.0	-6,394.7	664.9	6,399.9	0.00	0.00	0.00
17,700.0	90.00	179.53	11,260.0	-6,494.7	665.7	6,499.9	0.00	0.00	0.00
17,800.0	90.00	179.53	11,260.0	-6,594.7	666.5	6,599.9	0.00	0.00	0.00
17,900.0	90.00	179.53	11,260.0	-6,694.7	667.3	6,699.9	0.00	0.00	0.00
18,000.0	90.00	179.53	11,260.0	-6,794.7	668.1	6,799.9	0.00	0.00	0.00
18,100.0	90.00	179.53	11,260.0	-6,894.7	669.0	6,899.9	0.00	0.00	0.00
18,200.0	90.00	179.53	11,260.0	-6,994.7	669.8	6,999.9	0.00	0.00	0.00
18,300.0	90.00	179.53	11,260.0	-7,094.7	670.6	7,099.9	0.00	0.00	0.00
18,400.0	90.00	179.53	11,260.0	-7,194.6	671.4	7,199.9	0.00	0.00	0.00
18,500.0	90.00	179.53	11,260.0	-7,294.6	672.2	7,299.9	0.00	0.00	0.00
18,600.0	90.00	179.53	11,260.0	-7,394.6	673.1	7,399.9	0.00	0.00	0.00
18,700.0	90.00	179.53	11,260.0	-7,494.6	673.9	7,499.9	0.00	0.00	0.00
18,800.0	90.00	179.53	11,260.0	-7,594.6	674.7	7,599.9	0.00	0.00	0.00
18,900.0	90.00	179.53	11,260.0	-7,694.6	675.5	7,699.9	0.00	0.00	0.00
19,000.0	90.00	179.53	11,260.0	-7,794.6	676.3	7,799.9	0.00	0.00	0.00
19,100.0	90.00	179.53	11,260.0	-7,894.6	677.2	7,899.9	0.00	0.00	0.00
19,200.0	90.00	179.53	11,260.0	-7,994.6	678.0	7,999.9	0.00	0.00	0.00
19,300.0	90.00	179.53	11,260.0	-8,094.6	678.8	8,099.9	0.00	0.00	0.00
19,400.0	90.00	179.53	11,260.0	-8,194.6	679.6	8,199.9	0.00	0.00	0.00
19,500.0	90.00	179.53	11,260.0	-8,294.6	680.4	8,299.9	0.00	0.00	0.00
19,600.0	90.00	179.53	11,260.0	-8,394.6	681.3	8,399.9	0.00	0.00	0.00
19,700.0	90.00	179.53	11,260.0	-8,494.6	682.1	8,499.9	0.00	0.00	0.00
19,800.0	90.00	179.53	11,260.0	-8,594.6	682.9	8,599.9	0.00	0.00	0.00
19,900.0	90.00	179.53	11,260.0	-8,694.6	683.7	8,699.9	0.00	0.00	0.00
20,000.0	90.00	179.53	11,260.0	-8,794.6	684.5	8,799.9	0.00	0.00	0.00
20,100.0	90.00	179.53	11,260.0	-8,894.6	685.4	8,899.9	0.00	0.00	0.00
20,200.0	90.00	179.53	11,260.0	-8,994.6	686.2	8,999.9	0.00	0.00	0.00
20,300.0	90.00	179.53	11,260.0	-9,094.6	687.0	9,099.9	0.00	0.00	0.00
20,400.0	90.00	179.53	11,260.0	-9,194.6	687.8	9,199.9	0.00	0.00	0.00
20,500.0	90.00	179.53	11,260.0	-9,294.6	688.6	9,299.9	0.00	0.00	0.00
20,600.0	90.00	179.53	11,260.0	-9,394.6	689.5	9,399.9	0.00	0.00	0.00
20,700.0	90.00	179.53	11,260.0	-9,494.6	690.3	9,499.9	0.00	0.00	0.00
20,800.0	90.00	179.53	11,260.0	-9,594.6	691.1	9,599.9	0.00	0.00	0.00
20,900.0	90.00	179.53	11,260.0	-9,694.6	691.9	9,699.9	0.00	0.00	0.00
21,000.0	90.00	179.53	11,260.0	-9,794.6	692.7	9,799.9	0.00	0.00	0.00
21,100.0	90.00	179.53	11,260.0	-9,894.6	693.6	9,899.9	0.00	0.00	0.00
21,200.0	90.00	179.53	11,260.0	-9,994.6	694.4	9,999.9	0.00	0.00	0.00
21,300.0	90.00	179.53	11,260.0	-10,094.6	695.2	10,099.9	0.00	0.00	0.00
21,400.0	90.00	179.53	11,260.0	-10,194.5	696.0	10,199.9	0.00	0.00	0.00
21,500.0	90.00	179.53	11,260.0	-10,294.5	696.8	10,299.9	0.00	0.00	0.00
21,600.0	90.00	179.53	11,260.0	-10,394.5	697.7	10,399.9	0.00	0.00	0.00
21,700.0	90.00	179.53	11,260.0	-10,494.5	698.5	10,499.9	0.00	0.00	0.00
21,800.0	90.00	179.53	11,260.0	-10,594.5	699.3	10,599.9	0.00	0.00	0.00
21,900.0	90.00	179.53	11,260.0	-10,694.5	700.1	10,699.9	0.00	0.00	0.00
22,000.0	90.00	179.53	11,260.0	-10,794.5	700.9	10,799.9	0.00	0.00	0.00
22,100.0	90.00	179.53	11,260.0	-10,894.5	701.8	10,899.9	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Bill Alexander 3309 State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3539.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3539.5usft
Site:	Bill Alexander	North Reference:	Grid
Well:	Bill Alexander 3309 State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
22,200.0	90.00	179.53	11,260.0	-10,994.5	702.6	10,999.9	0.00	0.00	0.00
22,300.0	90.00	179.53	11,260.0	-11,094.5	703.4	11,099.9	0.00	0.00	0.00
22,400.0	90.00	179.53	11,260.0	-11,194.5	704.2	11,199.9	0.00	0.00	0.00
22,500.0	90.00	179.53	11,260.0	-11,294.5	705.0	11,299.9	0.00	0.00	0.00
22,600.0	90.00	179.53	11,260.0	-11,394.5	705.9	11,399.9	0.00	0.00	0.00
22,700.0	90.00	179.53	11,260.0	-11,494.5	706.7	11,499.9	0.00	0.00	0.00
22,800.0	90.00	179.53	11,260.0	-11,594.5	707.5	11,599.9	0.00	0.00	0.00
22,900.0	90.00	179.53	11,260.0	-11,694.5	708.3	11,699.9	0.00	0.00	0.00
23,000.0	90.00	179.53	11,260.0	-11,794.5	709.1	11,799.9	0.00	0.00	0.00
23,100.0	90.00	179.53	11,260.0	-11,894.5	710.0	11,899.9	0.00	0.00	0.00
23,200.0	90.00	179.53	11,260.0	-11,994.5	710.8	11,999.9	0.00	0.00	0.00
23,300.0	90.00	179.53	11,260.0	-12,094.5	711.6	12,099.9	0.00	0.00	0.00
23,400.0	90.00	179.53	11,260.0	-12,194.5	712.4	12,199.9	0.00	0.00	0.00
23,500.0	90.00	179.53	11,260.0	-12,294.5	713.2	12,299.9	0.00	0.00	0.00
23,600.0	90.00	179.53	11,260.0	-12,394.5	714.1	12,399.9	0.00	0.00	0.00
23,700.0	90.00	179.53	11,260.0	-12,494.5	714.9	12,499.9	0.00	0.00	0.00
23,800.0	90.00	179.53	11,260.0	-12,594.5	715.7	12,599.9	0.00	0.00	0.00
23,900.0	90.00	179.53	11,260.0	-12,694.5	716.5	12,699.9	0.00	0.00	0.00
24,000.0	90.00	179.53	11,260.0	-12,794.5	717.3	12,799.9	0.00	0.00	0.00
24,100.0	90.00	179.53	11,260.0	-12,894.5	718.2	12,899.9	0.00	0.00	0.00
24,200.0	90.00	179.53	11,260.0	-12,994.5	719.0	12,999.9	0.00	0.00	0.00
24,300.0	90.00	179.53	11,260.0	-13,094.5	719.8	13,099.9	0.00	0.00	0.00
24,400.0	90.00	179.53	11,260.0	-13,194.4	720.6	13,199.9	0.00	0.00	0.00
24,500.0	90.00	179.53	11,260.0	-13,294.4	721.5	13,299.9	0.00	0.00	0.00
24,600.0	90.00	179.53	11,260.0	-13,394.4	722.3	13,399.9	0.00	0.00	0.00
24,700.0	90.00	179.53	11,260.0	-13,494.4	723.1	13,499.9	0.00	0.00	0.00
24,800.0	90.00	179.53	11,260.0	-13,594.4	723.9	13,599.9	0.00	0.00	0.00
24,900.0	90.00	179.53	11,260.0	-13,694.4	724.7	13,699.9	0.00	0.00	0.00
25,000.0	90.00	179.53	11,260.0	-13,794.4	725.6	13,799.9	0.00	0.00	0.00
25,100.0	90.00	179.53	11,260.0	-13,894.4	726.4	13,899.9	0.00	0.00	0.00
25,200.0	90.00	179.53	11,260.0	-13,994.4	727.2	13,999.9	0.00	0.00	0.00
25,300.0	90.00	179.53	11,260.0	-14,094.4	728.0	14,099.9	0.00	0.00	0.00
25,400.0	90.00	179.53	11,260.0	-14,194.4	728.8	14,199.9	0.00	0.00	0.00
25,500.0	90.00	179.53	11,260.0	-14,294.4	729.7	14,299.9	0.00	0.00	0.00
25,600.0	90.00	179.53	11,260.0	-14,394.4	730.5	14,399.9	0.00	0.00	0.00
25,700.0	90.00	179.53	11,260.0	-14,494.4	731.3	14,499.9	0.00	0.00	0.00
25,800.0	90.00	179.53	11,260.0	-14,594.4	732.1	14,599.9	0.00	0.00	0.00
25,900.0	90.00	179.53	11,260.0	-14,694.4	732.9	14,699.9	0.00	0.00	0.00
26,000.0	90.00	179.53	11,260.0	-14,794.4	733.8	14,799.9	0.00	0.00	0.00
26,100.0	90.00	179.53	11,260.0	-14,894.4	734.6	14,899.9	0.00	0.00	0.00
26,200.0	90.00	179.53	11,260.0	-14,994.4	735.4	14,999.9	0.00	0.00	0.00
26,300.0	90.00	179.53	11,260.0	-15,094.4	736.2	15,099.9	0.00	0.00	0.00
26,400.0	90.00	179.53	11,260.0	-15,194.4	737.0	15,199.9	0.00	0.00	0.00
26,500.0	90.00	179.53	11,260.0	-15,294.4	737.9	15,299.9	0.00	0.00	0.00
26,600.0	90.00	179.53	11,260.0	-15,394.4	738.7	15,399.9	0.00	0.00	0.00
26,700.0	90.00	179.53	11,260.0	-15,494.4	739.5	15,499.9	0.00	0.00	0.00
26,733.6	90.00	179.53	11,260.0	-15,528.0	739.8	15,533.5	0.00	0.00	0.00
TD at 26733.6 - BHL - Bill Alexander 3309 Fed Com #134H									

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Bill Alexander 3309 State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3539.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3539.5usft
Site:	Bill Alexander	North Reference:	Grid
Well:	Bill Alexander 3309 State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM 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 - Bill Alexander 33C - plan hits target center - Point	0.00	0.00	10,687.0	170.0	611.0	494,292.00	798,823.00	32° 21' 18.761 N	103° 21' 56.312 W
FTP - Bill Alexander 330 - plan hits target center - Point	0.00	0.00	10,921.1	120.0	611.4	494,242.00	798,823.41	32° 21' 18.267 N	103° 21' 56.313 W
BHL - Bill Alexander 33C - plan misses target center by 0.8usft at 26733.6usft MD (11260.0 TVD, -15528.0 N, 739.8 E) - Point	0.00	0.00	11,260.0	-15,528.0	739.0	478,594.00	798,951.00	32° 18' 43.422 N	103° 21' 56.473 W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,000.0	1,998.0	Rustler				
2,708.5	2,705.0	Salado				
4,224.9	4,218.0	G30:CS14-CSB				
4,930.5	4,922.0	Capitan (T)				
6,123.2	6,112.0	G26: Bell Cyn.				
6,463.9	6,452.0	G13: Cherry Cyn.				
7,531.3	7,517.0	G7: Brushy Cyn.				
8,430.3	8,414.0	G5: L. Brushy Cyn.				
8,729.0	8,712.0	G4: BSG (CS9)				
8,856.3	8,839.0	L8.2: U. Avalon Shale				
9,072.8	9,055.0	L6.3: Avalon Carb				
9,683.1	9,664.0	L5.3: FBSC				
9,744.3	9,725.0	L5.1: FBSC				
10,009.9	9,990.0	L4.3: SBSC				
10,266.5	10,246.0	L4.1: SBSC				
11,169.3	11,100.0	TBSG				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,000.0	1,000.0	0.0	0.0	Start Build 2.00	
1,191.7	1,191.6	1.7	6.2	Start 9260.7 hold at 1191.7 MD	
10,452.5	10,431.6	167.7	602.8	Start Drop -1.50	
10,708.1	10,687.0	170.0	611.0	Start Build 10.00	
11,608.1	11,260.0	-402.9	615.7	Start 51.0 hold at 11608.1 MD	
11,659.1	11,260.0	-453.9	616.1	Start 15074.6 hold at 11659.1 MD	
26,733.6	11,260.0	-15,528.0	739.8	TD at 26733.6	

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:** 10/29/2025

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Bill Alexander 3309 State Com #112H	TBD	B-33-22S-35E	145' FNL & 2,367' FEL	900	1,400	1,600
Bill Alexander 3309 State Com #120H	TBD	D-33-22S-35E	175' FNL & 1,229' FWL	1,100	1,500	2,100
Bill Alexander 3309 State Com #121H	TBD	D-33-22S-35E	145' FNL & 1,230' FWL	700	1,100	1,400
Bill Alexander 3309 State Com #122H	TBD	B-33-22S-35E	175' FNL & 2,337' FEL	700	1,100	1,400
Bill Alexander 3309 State Com #123H	TBD	A-33-22S-35E	245' FNL & 1,302' FEL	700	1,100	1,400
Bill Alexander 3309 State Com #131H	TBD	D-33-22S-35E	175' FNL & 1,199' FWL	1,100	1,500	2,100
Bill Alexander 3309 State Com #132H	TBD	B-33-22S-35E	175' FNL & 2,367' FEL	1,100	1,500	2,100
Bill Alexander 3309 State Com #133H	TBD	A-33-22S-35E	215' FNL & 1,302' FEL	1,100	1,500	2,100
Bill Alexander 3309 State Com #134H	TBD	A-33-22S-35E	215' FNL & 1,272' FEL	1,100	1,500	2,100

IV. Central Delivery Point Name: Bill Alexander TB [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Bill Alexander 3309 State Com #112H	TBD	04/19/2026	05/15/2026	07/13/2026	09/09/2026	09/09/2026
Bill Alexander 3309 State Com #120H	TBD	04/08/2026	05/05/2026	07/13/2026	09/09/2026	09/09/2026
Bill Alexander 3309 State Com #121H	TBD	04/21/2026	05/20/2026	07/13/2026	09/09/2026	09/09/2026
Bill Alexander 3309 State Com #122H	TBD	05/21/2026	06/15/2026	07/13/2026	09/09/2026	09/09/2026
Bill Alexander 3309 State Com #123H	TBD	03/26/2026	04/22/2026	07/13/2026	09/09/2026	09/09/2026
Bill Alexander 3309 State Com #131H	TBD	05/06/2026	06/01/2026	07/13/2026	09/09/2026	09/09/2026
Bill Alexander 3309 State Com #132H	TBD	05/16/2026	06/10/2026	07/13/2026	09/09/2026	09/09/2026
Bill Alexander 3309 State Com #133H	TBD	04/23/2026	05/20/2026	07/13/2026	09/09/2026	09/09/2026
Bill Alexander 3309 State Com #134H	TBD	05/21/2026	06/18/2026	07/13/2026	09/09/2026	09/09/2026

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

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

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

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

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: Facilities Engineer
E-mail Address: ogonzalez@matadorresources.com
Date: 10/29/2025
Phone: 972 – 629 – 2147
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval: