

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 379349

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

1. Operator Name and Address AMTEX ENERGY INC P.O. Box 470158 Ft. Worth, TX 76147		2. OGRID Number 785
		3. API Number 30-025-54122
4. Property Code 336588	5. Property Name RECORD 23 26 35 STATE COM	6. Well No. 501H

7. Surface Location

UL - Lot M	Section 23	Township 19S	Range 35E	Lot Idn M	Feet From 1190	N/S Line S	Feet From 400	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot M	Section 35	Township 19S	Range 35E	Lot Idn M	Feet From 70	N/S Line S	Feet From 400	E/W Line W	County Lea
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9. Pool Information

PEARL;BONE SPRING	49680
PEARL;BONE SPRING, SOUTH	49685

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3736
16. Multiple Y	17. Proposed Depth 21341	18. Formation Bone Spring	19. Contractor	20. Spud Date 1/2/2025
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	2200	2131	0
Int1	12.25	9.625	40	9113	3939	0
Prod	8.5	5.5	20	21341	6111	0

Casing/Cement Program: Additional Comments

Production Casing Grade is HCP110

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	3500	TBD
Blind	5000	3500	TBD
Pipe	5000	3500	TBD

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 Riley Swanston	Approved By: Paul F Kautz
Title: Petroleum Engineer	Title: Geologist
Email Address: rswanston@amtenergy.com	Approved Date: 12/20/2024 Expiration Date: 12/20/2026
Date: 12/10/2024 Phone: 817-915-8099	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-	Pool Code 49680	Pool Name PEARL; BONE SPRING
Property Code	Property Name RECORD STATE COM 23 26 35	Well Number 501H
OGRID No. 785	Operator Name AMTEX ENERGY INC.	Ground Level Elevation 3736'
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
M	23	19-S	35-E	-	1190' S	400' W	N 32.6419745	W 103.4352089	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
M	35	19-S	35-E	-	70' S	400' W	N 32.6097420	W 103.4352372	LEA

Dedicated Acres 200	Infill or Defining Well -	Defining Well API -	Overlapping Spacing Unit (Y/N) -	Consolidated Code C
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
M	23	19-S	35-E	-	1310' S	400' W	N 32.6423053	W 103.4352093	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
M	23	19-S	35-E	-	1230' S	400' W	N 32.6420844	W 103.4352089	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
M	35	19-S	35-E	-	100' S	400' W	N 32.6098245	W 103.4352371	LEA

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



12-8-24

Signature BRIAN WOOD	Date
Print Name brian@permitswest.com	
E-mail Address	

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.



Signature and Seal of Professional Surveyor		Date
Certificate Number	Date of Survey 10/01/2024	

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 RECORD STATE COM 23-26-35 501H			

SURFACE LOCATION (SHL)

NEW MEXICO EAST
 NAD 1983
 X=817793 Y=598450
 LAT.: N 32.6419745
 LONG.: W 103.4352089
 1190' FSL 400' FWL

KICK OFF POINT (KOP)

NEW MEXICO EAST
 NAD 1983
 X=817792 Y=598570
 LAT.: N 32.6423053
 LONG.: W 103.4352093
 1310' FSL 400' FWL

FIRST TAKE POINT (FTP)

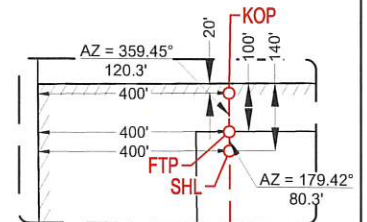
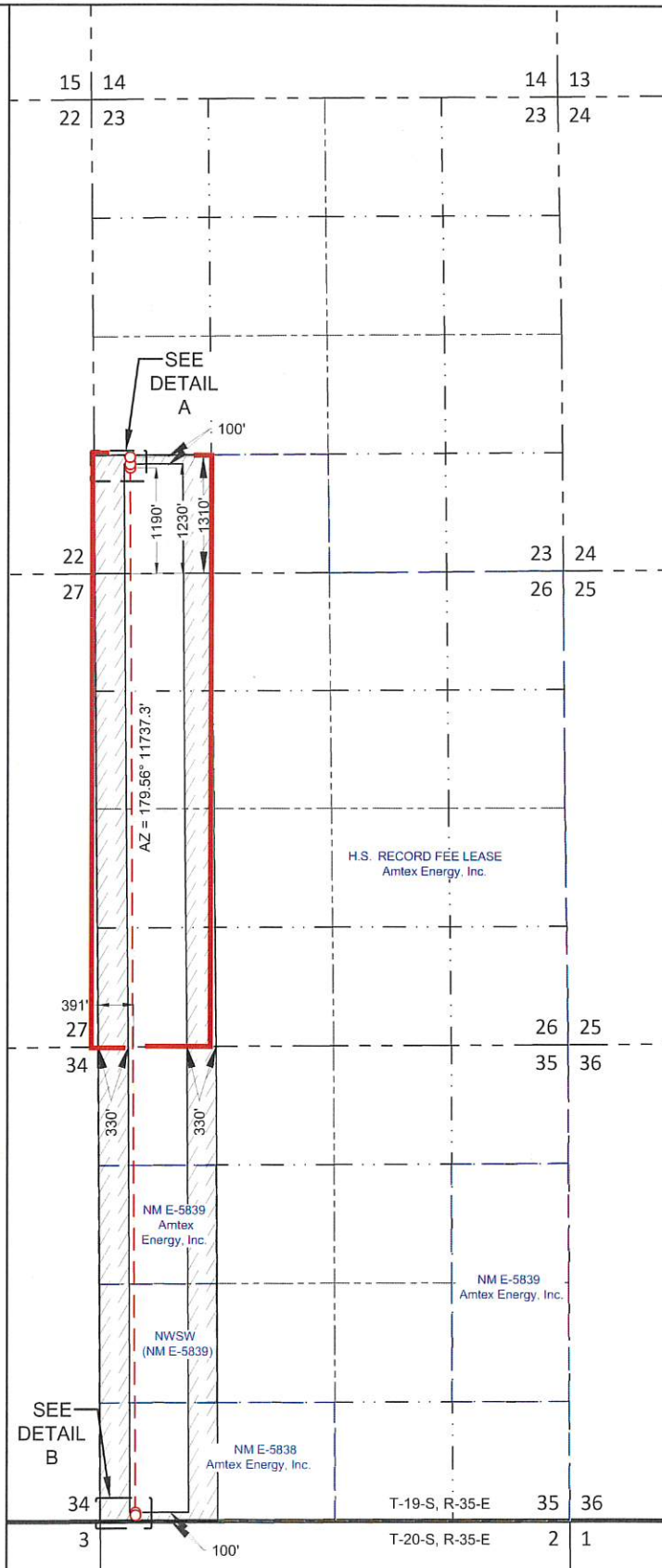
NEW MEXICO EAST
 NAD 1983
 X=817792 Y=598490
 LAT.: N 32.6420844
 LONG.: W 103.4352089
 1230' FSL 400' FWL

LAST TAKE POINT (LTP)

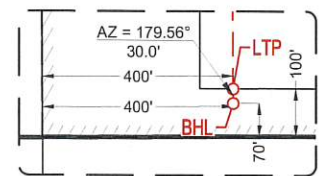
NEW MEXICO EAST
 NAD 1983
 X=817883 Y=586753
 LAT.: N 32.6098245
 LONG.: W 103.4352371
 100' FSL 400' FWL

BOTTOM HOLE LOCATION (BHL)

NEW MEXICO EAST
 NAD 1983
 X=817883 Y=586723
 LAT.: N 32.6097420
 LONG.: W 103.4352372
 70' FSL 400' FWL



DETAIL VIEW A
 SCALE: 1" = 400'



DETAIL VIEW B
 SCALE: 1" = 400'

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10/01/2024

Date of Survey

Signature and Seal of Professional Surveyor:



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		Submittal Type:	☒ Initial Submittal
			☐ Amended Report
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Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☒ Fee ☐ Tribal ☐ Federal

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Dedicated Acres 160	Infill or Defining Well -	Defining Well API -	Overlapping Spacing Unit (Y/N) -	Consolidated Code C
Order Numbers			Well Setbacks are under Common Ownership: ☐ Yes ☐ No	

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M	23	19-S	35-E	-	1230' S	400' W	N 32.6420844	W 103.4352089	LEA

Last Take Point (LTP)

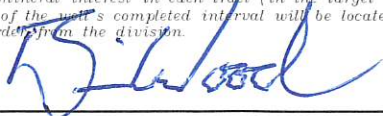
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
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12-8-24

Signature
BRIAN WOOD

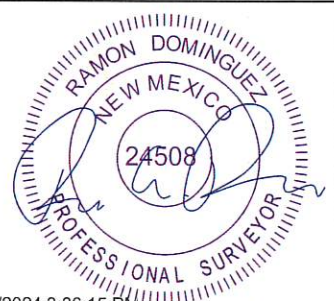
Date

Print Name
brian@permitswest.com

E-mail Address

SURVEYORS CERTIFICATION

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11/12/2024 3:36:15 PM

Signature and Seal of Professional Surveyor

Date

Certificate Number

Date of Survey

10/01/2024

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

RECORD STATE COM 23-26-35 501H

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NAD 1983
X=817792 Y=598570
LAT.: N 32.6423053
LONG.: W 103.4352093
1310' FSL 400' FWL

FIRST TAKE POINT (FTP)

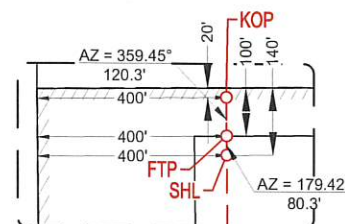
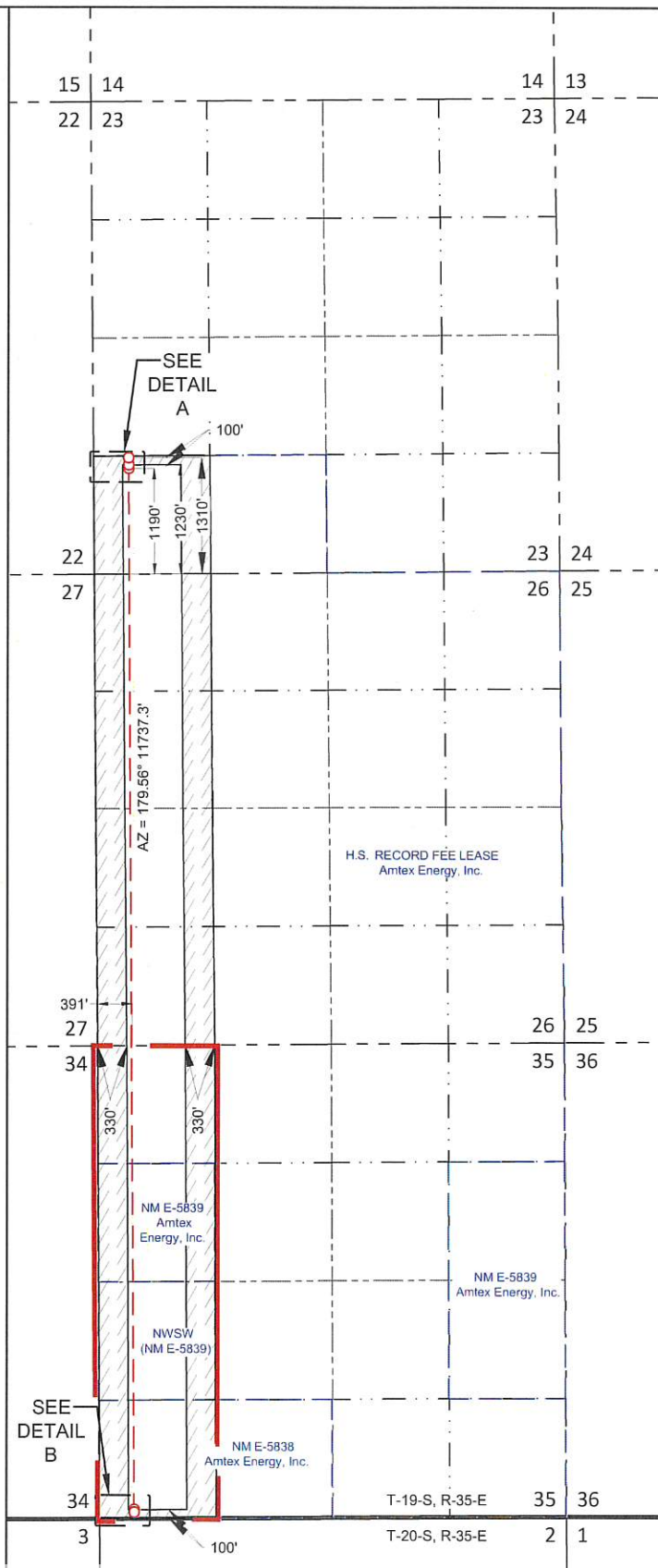
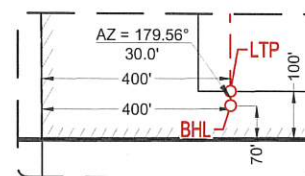
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BOTTOM HOLE LOCATION (BHL)

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X=817883 Y=586723
LAT.: N 32.6097420
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70' FSL 400' FWL

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SCALE: 1" = 400'DETAIL VIEW B
SCALE: 1" = 400'

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10/01/2024

Date of Survey

Signature and Seal of Professional Surveyor:



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

Form APD Conditions
Permit 379349

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: AMTEX ENERGY INC [785] P.O. Box 470158 Ft. Worth, TX 76147	API Number: 30-025-54122
	Well: RECORD 23 26 35 STATE COM #501H

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	Cement is required to circulate on both surface and intermediate1 strings of casing.
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.

Amtex Energy Inc.

Lea Co., NM (NAD-83)

Record Com 26-35

Record State Com 23-26-35 501H

OH

Plan: Plan #1

Standard Planning Report

05 December, 2024



Project: Lea Co., NM (NAD-83)
Site: Record Com 26-35
Well: Record State Com 23-26-35 501H
Wellbore: OH
Design: Plan #1
Lat: 32.641974
Long: -103.435209
GL: 3736.00
KB: RKB @ 3762.50usft

WELL DETAILS: Record State Com 23-26-35 501H

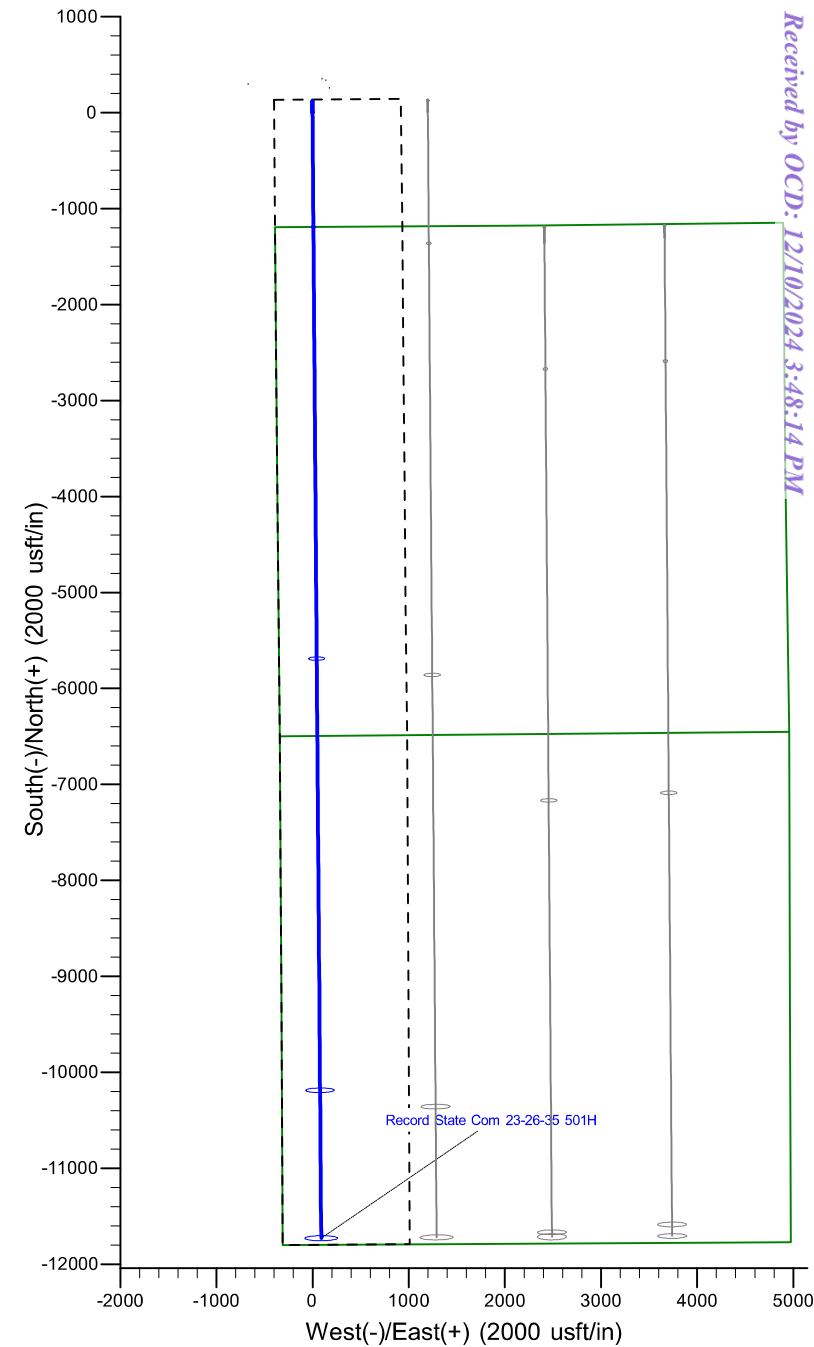
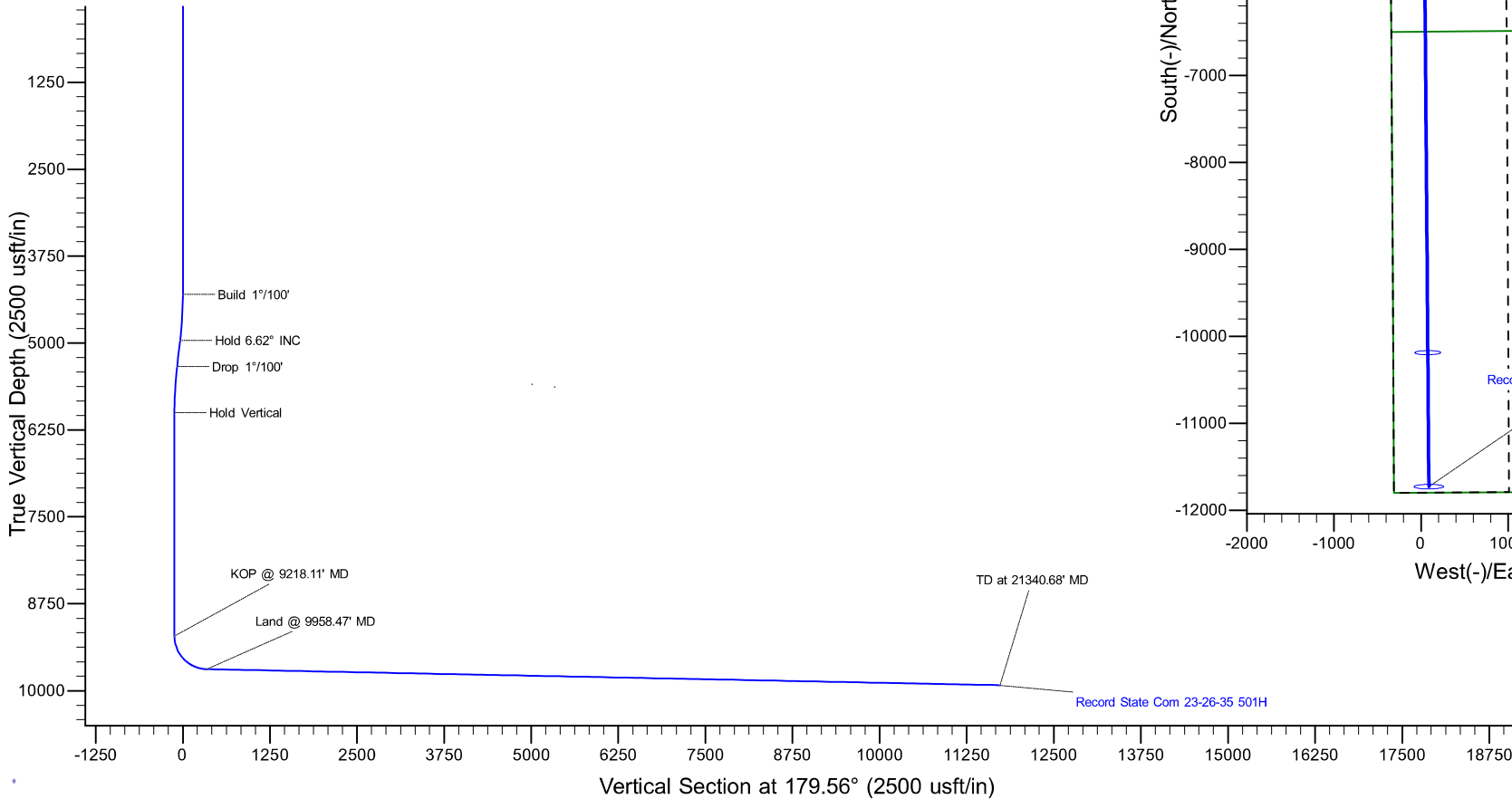
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	598450.01	817792.84	32.641974	-103.435209

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
RSC 23-26-35 501H - BHL	0.00	-11727.00	90.40	586723.01	817883.24	Point
RSC 23-26-35 501H - FTP	0.00	39.98	-0.34	598489.99	817792.50	Point
RSC 23-26-35 501H - KOP	0.00	120.35	-1.14	598570.36	817791.70	Point
RSC 23-26-35 501H - LTP	0.00	-11696.98	90.18	586753.02	817883.02	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	Build 1°/100'
4961.63	6.62	359.46	4960.16	38.16	-0.36	1.00	359.46	-38.16	Hold 6.62° INC
5343.86	6.62	359.46	5339.84	82.20	-0.78	0.00	0.00	-82.20	Drop 1°/100'
6005.48	0.00	0.00	6000.00	120.35	-1.14	1.00	180.00	-120.36	Hold Vertical
9218.11	0.00	0.00	9212.63	120.35	-1.14	0.00	0.00	-120.36	KOP @ 9218.11' MD
9958.47	88.84	179.56	9690.00	-347.45	2.47	12.00	179.56	347.46	Land @ 9958.47' MD
21340.68	88.84	179.56	9920.00	-11727.00	90.40	0.00	0.00	11727.35	TD at 21340.68' MD



Azimuths to Grid North
True North: -0.48°
Magnetic North: 5.6°
Magnetic Strength: 47425
Dip Angle: 60.2°
Date: 12/5/2024
Model: HRM

Planning Report

Database:	EDMProd	Local Co-ordinate Reference:	Well Record State Com 23-26-35 501H
Company:	Amtex Energy Inc.	TVD Reference:	RKB @ 3762.50usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	RKB @ 3762.50usft
Site:	Record Com 26-35	North Reference:	Grid
Well:	Record State Com 23-26-35 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Lea Co., NM (NAD-83)				
Map System:	US State Plane 1983	System Datum:	Mean Sea Level		
Geo Datum:	North American Datum 1983				
Map Zone:	New Mexico Eastern Zone				

Site	Record Com 26-35				
Site Position:		Northing:	597,091.43 usft	Latitude:	32.638184
From:	Lat/Long	Easting:	820,205.72 usft	Longitude:	-103.427409
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	Record State Com 23-26-35 501H					
Well Position	+N/-S	0.00 usft	Northing:	598,450.01 usft	Latitude:	32.641975
	+E/-W	0.00 usft	Easting:	817,792.84 usft	Longitude:	-103.435209
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,736.00 usft	
Grid Convergence:	0.48 °					

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	12/5/2024	6.09	60.41	47,425.65792086

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.56	

Plan Survey Tool Program	Date	12/5/2024			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	21,340.68	Plan #1 (OH)	MWD+HRGM	
				OWSG MWD + HRGM	

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,961.63	6.62	359.46	4,960.16	38.16	-0.36	1.00	1.00	0.00	359.46	
5,343.86	6.62	359.46	5,339.84	82.20	-0.78	0.00	0.00	0.00	0.00	
6,005.48	0.00	0.00	6,000.00	120.35	-1.14	1.00	-1.00	0.00	180.00	
9,218.11	0.00	0.00	9,212.63	120.35	-1.14	0.00	0.00	0.00	0.00	
9,958.47	88.84	179.56	9,690.00	-347.45	2.47	12.00	12.00	24.25	179.56	
21,340.68	88.84	179.56	9,920.00	-11,727.00	90.40	0.00	0.00	0.00	0.00	

Planning Report

Database:	EDMProd	Local Co-ordinate Reference:	Well Record State Com 23-26-35 501H
Company:	Amtex Energy Inc.	TVD Reference:	RKB @ 3762.50usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	RKB @ 3762.50usft
Site:	Record Com 26-35	North Reference:	Grid
Well:	Record State Com 23-26-35 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 1°/100'									
4,400.00	1.00	359.46	4,400.00	0.87	-0.01	-0.87	1.00	1.00	0.00
4,500.00	2.00	359.46	4,499.96	3.49	-0.03	-3.49	1.00	1.00	0.00
4,600.00	3.00	359.46	4,599.86	7.85	-0.07	-7.85	1.00	1.00	0.00
4,700.00	4.00	359.46	4,699.68	13.96	-0.13	-13.96	1.00	1.00	0.00
4,800.00	5.00	359.46	4,799.37	21.80	-0.21	-21.80	1.00	1.00	0.00
4,900.00	6.00	359.46	4,898.90	31.39	-0.30	-31.39	1.00	1.00	0.00
4,961.63	6.62	359.46	4,960.16	38.16	-0.36	-38.16	1.00	1.00	0.00
Hold 6.62° INC									

Planning Report

Database:	EDMProd	Local Co-ordinate Reference:	Well Record State Com 23-26-35 501H
Company:	Amtex Energy Inc.	TVD Reference:	RKB @ 3762.50usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	RKB @ 3762.50usft
Site:	Record Com 26-35	North Reference:	Grid
Well:	Record State Com 23-26-35 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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)
5,000.00	6.62	359.46	4,998.28	42.58	-0.40	-42.58	0.00	0.00	0.00
5,100.00	6.62	359.46	5,097.61	54.10	-0.51	-54.10	0.00	0.00	0.00
5,200.00	6.62	359.46	5,196.94	65.62	-0.62	-65.62	0.00	0.00	0.00
5,300.00	6.62	359.46	5,296.28	77.14	-0.73	-77.15	0.00	0.00	0.00
5,343.86	6.62	359.46	5,339.84	82.20	-0.78	-82.20	0.00	0.00	0.00
Drop 1°/100'									
5,400.00	6.05	359.46	5,395.64	88.39	-0.84	-88.39	1.00	-1.00	0.00
5,500.00	5.05	359.46	5,495.17	98.07	-0.93	-98.07	1.00	-1.00	0.00
5,600.00	4.05	359.46	5,594.85	106.01	-1.00	-106.02	1.00	-1.00	0.00
5,700.00	3.05	359.46	5,694.66	112.21	-1.06	-112.22	1.00	-1.00	0.00
5,800.00	2.05	359.46	5,794.56	116.67	-1.11	-116.67	1.00	-1.00	0.00
5,900.00	1.05	359.46	5,894.52	119.38	-1.13	-119.39	1.00	-1.00	0.00
6,005.48	0.00	0.00	6,000.00	120.35	-1.14	-120.36	1.00	-1.00	0.51
Hold Vertical									
6,100.00	0.00	0.00	6,094.52	120.35	-1.14	-120.36	0.00	0.00	0.00
6,200.00	0.00	0.00	6,194.52	120.35	-1.14	-120.36	0.00	0.00	0.00
6,300.00	0.00	0.00	6,294.52	120.35	-1.14	-120.36	0.00	0.00	0.00
6,400.00	0.00	0.00	6,394.52	120.35	-1.14	-120.36	0.00	0.00	0.00
6,500.00	0.00	0.00	6,494.52	120.35	-1.14	-120.36	0.00	0.00	0.00
6,600.00	0.00	0.00	6,594.52	120.35	-1.14	-120.36	0.00	0.00	0.00
6,700.00	0.00	0.00	6,694.52	120.35	-1.14	-120.36	0.00	0.00	0.00
6,800.00	0.00	0.00	6,794.52	120.35	-1.14	-120.36	0.00	0.00	0.00
6,900.00	0.00	0.00	6,894.52	120.35	-1.14	-120.36	0.00	0.00	0.00
7,000.00	0.00	0.00	6,994.52	120.35	-1.14	-120.36	0.00	0.00	0.00
7,100.00	0.00	0.00	7,094.52	120.35	-1.14	-120.36	0.00	0.00	0.00
7,200.00	0.00	0.00	7,194.52	120.35	-1.14	-120.36	0.00	0.00	0.00
7,300.00	0.00	0.00	7,294.52	120.35	-1.14	-120.36	0.00	0.00	0.00
7,400.00	0.00	0.00	7,394.52	120.35	-1.14	-120.36	0.00	0.00	0.00
7,500.00	0.00	0.00	7,494.52	120.35	-1.14	-120.36	0.00	0.00	0.00
7,600.00	0.00	0.00	7,594.52	120.35	-1.14	-120.36	0.00	0.00	0.00
7,700.00	0.00	0.00	7,694.52	120.35	-1.14	-120.36	0.00	0.00	0.00
7,800.00	0.00	0.00	7,794.52	120.35	-1.14	-120.36	0.00	0.00	0.00
7,900.00	0.00	0.00	7,894.52	120.35	-1.14	-120.36	0.00	0.00	0.00
8,000.00	0.00	0.00	7,994.52	120.35	-1.14	-120.36	0.00	0.00	0.00
8,100.00	0.00	0.00	8,094.52	120.35	-1.14	-120.36	0.00	0.00	0.00
8,200.00	0.00	0.00	8,194.52	120.35	-1.14	-120.36	0.00	0.00	0.00
8,300.00	0.00	0.00	8,294.52	120.35	-1.14	-120.36	0.00	0.00	0.00
8,400.00	0.00	0.00	8,394.52	120.35	-1.14	-120.36	0.00	0.00	0.00
8,500.00	0.00	0.00	8,494.52	120.35	-1.14	-120.36	0.00	0.00	0.00
8,600.00	0.00	0.00	8,594.52	120.35	-1.14	-120.36	0.00	0.00	0.00
8,700.00	0.00	0.00	8,694.52	120.35	-1.14	-120.36	0.00	0.00	0.00
8,800.00	0.00	0.00	8,794.52	120.35	-1.14	-120.36	0.00	0.00	0.00
8,900.00	0.00	0.00	8,894.52	120.35	-1.14	-120.36	0.00	0.00	0.00
9,000.00	0.00	0.00	8,994.52	120.35	-1.14	-120.36	0.00	0.00	0.00
9,100.00	0.00	0.00	9,094.52	120.35	-1.14	-120.36	0.00	0.00	0.00
9,200.00	0.00	0.00	9,194.52	120.35	-1.14	-120.36	0.00	0.00	0.00
9,218.11	0.00	0.00	9,212.63	120.35	-1.14	-120.36	0.00	0.00	0.00
KOP @ 9218.11' MD									
9,225.00	0.83	179.56	9,219.52	120.30	-1.14	-120.31	12.00	12.00	0.00
9,250.00	3.83	179.56	9,244.49	119.29	-1.13	-119.29	12.00	12.00	0.00
9,275.00	6.83	179.56	9,269.38	116.97	-1.11	-116.97	12.00	12.00	0.00
9,300.00	9.83	179.56	9,294.11	113.35	-1.09	-113.35	12.00	12.00	0.00
9,325.00	12.83	179.56	9,318.63	108.44	-1.05	-108.44	12.00	12.00	0.00

Planning Report

Database:	EDMProd	Local Co-ordinate Reference:	Well Record State Com 23-26-35 501H
Company:	Amtex Energy Inc.	TVD Reference:	RKB @ 3762.50usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	RKB @ 3762.50usft
Site:	Record Com 26-35	North Reference:	Grid
Well:	Record State Com 23-26-35 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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)	
9,350.00	15.83	179.56	9,342.84	102.25	-1.00	-102.26	12.00	12.00	0.00	
9,375.00	18.83	179.56	9,366.71	94.81	-0.94	-94.81	12.00	12.00	0.00	
9,400.00	21.83	179.56	9,390.15	86.13	-0.88	-86.13	12.00	12.00	0.00	
9,425.00	24.83	179.56	9,413.10	76.23	-0.80	-76.23	12.00	12.00	0.00	
9,450.00	27.83	179.56	9,435.51	65.14	-0.71	-65.15	12.00	12.00	0.00	
9,475.00	30.83	179.56	9,457.30	52.90	-0.62	-52.90	12.00	12.00	0.00	
9,500.00	33.83	179.56	9,478.42	39.53	-0.52	-39.54	12.00	12.00	0.00	
9,525.00	36.83	179.56	9,498.82	25.08	-0.40	-25.08	12.00	12.00	0.00	
9,550.00	39.83	179.56	9,518.43	9.58	-0.28	-9.58	12.00	12.00	0.00	
9,575.00	42.83	179.56	9,537.20	-6.93	-0.16	6.93	12.00	12.00	0.00	
9,600.00	45.83	179.56	9,555.08	-24.39	-0.02	24.39	12.00	12.00	0.00	
9,625.00	48.83	179.56	9,572.03	-42.77	0.12	42.77	12.00	12.00	0.00	
9,650.00	51.83	179.56	9,587.98	-62.01	0.27	62.01	12.00	12.00	0.00	
9,675.00	54.83	179.56	9,602.91	-82.06	0.42	82.06	12.00	12.00	0.00	
9,700.00	57.83	179.56	9,616.77	-102.86	0.58	102.86	12.00	12.00	0.00	
9,725.00	60.83	179.56	9,629.53	-124.36	0.75	124.36	12.00	12.00	0.00	
9,750.00	63.83	179.56	9,641.14	-146.50	0.92	146.50	12.00	12.00	0.00	
9,775.00	66.83	179.56	9,651.57	-169.21	1.10	169.22	12.00	12.00	0.00	
9,800.00	69.83	179.56	9,660.80	-192.44	1.28	192.45	12.00	12.00	0.00	
9,825.00	72.83	179.56	9,668.81	-216.12	1.46	216.13	12.00	12.00	0.00	
9,850.00	75.83	179.56	9,675.56	-240.19	1.65	240.19	12.00	12.00	0.00	
9,875.00	78.83	179.56	9,681.04	-264.58	1.83	264.58	12.00	12.00	0.00	
9,900.00	81.83	179.56	9,685.24	-289.22	2.02	289.22	12.00	12.00	0.00	
9,925.00	84.83	179.56	9,688.15	-314.04	2.22	314.05	12.00	12.00	0.00	
9,950.00	87.83	179.56	9,689.75	-338.99	2.41	339.00	12.00	12.00	0.00	
9,958.47	88.84	179.56	9,690.00	-347.45	2.47	347.46	12.00	12.00	0.00	
Land @ 9958.47' MD										
10,000.00	88.84	179.56	9,690.84	-388.98	2.79	388.99	0.00	0.00	0.00	
10,100.00	88.84	179.56	9,692.86	-488.95	3.57	488.96	0.00	0.00	0.00	
10,200.00	88.84	179.56	9,694.88	-588.93	4.34	588.94	0.00	0.00	0.00	
10,300.00	88.84	179.56	9,696.90	-688.91	5.11	688.92	0.00	0.00	0.00	
10,400.00	88.84	179.56	9,698.92	-788.88	5.88	788.90	0.00	0.00	0.00	
10,500.00	88.84	179.56	9,700.94	-888.86	6.66	888.88	0.00	0.00	0.00	
10,600.00	88.84	179.56	9,702.96	-988.83	7.43	988.86	0.00	0.00	0.00	
10,700.00	88.84	179.56	9,704.98	-1,088.81	8.20	1,088.84	0.00	0.00	0.00	
10,800.00	88.84	179.56	9,707.00	-1,188.79	8.97	1,188.82	0.00	0.00	0.00	
10,900.00	88.84	179.56	9,709.02	-1,288.76	9.75	1,288.80	0.00	0.00	0.00	
11,000.00	88.84	179.56	9,711.04	-1,388.74	10.52	1,388.78	0.00	0.00	0.00	
11,100.00	88.84	179.56	9,713.06	-1,488.72	11.29	1,488.76	0.00	0.00	0.00	
11,200.00	88.84	179.56	9,715.09	-1,588.69	12.06	1,588.74	0.00	0.00	0.00	
11,300.00	88.84	179.56	9,717.11	-1,688.67	12.84	1,688.72	0.00	0.00	0.00	
11,400.00	88.84	179.56	9,719.13	-1,788.65	13.61	1,788.70	0.00	0.00	0.00	
11,500.00	88.84	179.56	9,721.15	-1,888.62	14.38	1,888.68	0.00	0.00	0.00	
11,600.00	88.84	179.56	9,723.17	-1,988.60	15.15	1,988.66	0.00	0.00	0.00	
11,700.00	88.84	179.56	9,725.19	-2,088.58	15.93	2,088.64	0.00	0.00	0.00	
11,800.00	88.84	179.56	9,727.21	-2,188.55	16.70	2,188.62	0.00	0.00	0.00	
11,900.00	88.84	179.56	9,729.23	-2,288.53	17.47	2,288.60	0.00	0.00	0.00	
12,000.00	88.84	179.56	9,731.25	-2,388.51	18.24	2,388.58	0.00	0.00	0.00	
12,100.00	88.84	179.56	9,733.27	-2,488.48	19.02	2,488.56	0.00	0.00	0.00	
12,200.00	88.84	179.56	9,735.29	-2,588.46	19.79	2,588.54	0.00	0.00	0.00	
12,300.00	88.84	179.56	9,737.31	-2,688.44	20.56	2,688.52	0.00	0.00	0.00	
12,400.00	88.84	179.56	9,739.33	-2,788.41	21.33	2,788.50	0.00	0.00	0.00	
12,500.00	88.84	179.56	9,741.35	-2,888.39	22.11	2,888.47	0.00	0.00	0.00	
12,600.00	88.84	179.56	9,743.38	-2,988.37	22.88	2,988.45	0.00	0.00	0.00	

Planning Report

Database:	EDMProd	Local Co-ordinate Reference:	Well Record State Com 23-26-35 501H
Company:	Amtex Energy Inc.	TVD Reference:	RKB @ 3762.50usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	RKB @ 3762.50usft
Site:	Record Com 26-35	North Reference:	Grid
Well:	Record State Com 23-26-35 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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)	
12,700.00	88.84	179.56	9,745.40	-3,088.34	23.65	3,088.43	0.00	0.00	0.00	
12,800.00	88.84	179.56	9,747.42	-3,188.32	24.42	3,188.41	0.00	0.00	0.00	
12,900.00	88.84	179.56	9,749.44	-3,288.30	25.20	3,288.39	0.00	0.00	0.00	
13,000.00	88.84	179.56	9,751.46	-3,388.27	25.97	3,388.37	0.00	0.00	0.00	
13,100.00	88.84	179.56	9,753.48	-3,488.25	26.74	3,488.35	0.00	0.00	0.00	
13,200.00	88.84	179.56	9,755.50	-3,588.23	27.51	3,588.33	0.00	0.00	0.00	
13,300.00	88.84	179.56	9,757.52	-3,688.20	28.29	3,688.31	0.00	0.00	0.00	
13,400.00	88.84	179.56	9,759.54	-3,788.18	29.06	3,788.29	0.00	0.00	0.00	
13,500.00	88.84	179.56	9,761.56	-3,888.16	29.83	3,888.27	0.00	0.00	0.00	
13,600.00	88.84	179.56	9,763.58	-3,988.13	30.60	3,988.25	0.00	0.00	0.00	
13,700.00	88.84	179.56	9,765.60	-4,088.11	31.38	4,088.23	0.00	0.00	0.00	
13,800.00	88.84	179.56	9,767.62	-4,188.09	32.15	4,188.21	0.00	0.00	0.00	
13,900.00	88.84	179.56	9,769.64	-4,288.06	32.92	4,288.19	0.00	0.00	0.00	
14,000.00	88.84	179.56	9,771.67	-4,388.04	33.69	4,388.17	0.00	0.00	0.00	
14,100.00	88.84	179.56	9,773.69	-4,488.02	34.47	4,488.15	0.00	0.00	0.00	
14,200.00	88.84	179.56	9,775.71	-4,587.99	35.24	4,588.13	0.00	0.00	0.00	
14,300.00	88.84	179.56	9,777.73	-4,687.97	36.01	4,688.11	0.00	0.00	0.00	
14,400.00	88.84	179.56	9,779.75	-4,787.95	36.78	4,788.09	0.00	0.00	0.00	
14,500.00	88.84	179.56	9,781.77	-4,887.92	37.56	4,888.07	0.00	0.00	0.00	
14,600.00	88.84	179.56	9,783.79	-4,987.90	38.33	4,988.05	0.00	0.00	0.00	
14,700.00	88.84	179.56	9,785.81	-5,087.88	39.10	5,088.03	0.00	0.00	0.00	
14,800.00	88.84	179.56	9,787.83	-5,187.85	39.87	5,188.01	0.00	0.00	0.00	
14,900.00	88.84	179.56	9,789.85	-5,287.83	40.65	5,287.98	0.00	0.00	0.00	
15,000.00	88.84	179.56	9,791.87	-5,387.81	41.42	5,387.96	0.00	0.00	0.00	
15,100.00	88.84	179.56	9,793.89	-5,487.78	42.19	5,487.94	0.00	0.00	0.00	
15,200.00	88.84	179.56	9,795.91	-5,587.76	42.96	5,587.92	0.00	0.00	0.00	
15,300.00	88.84	179.56	9,797.94	-5,687.74	43.74	5,687.90	0.00	0.00	0.00	
15,400.00	88.84	179.56	9,799.96	-5,787.71	44.51	5,787.88	0.00	0.00	0.00	
15,500.00	88.84	179.56	9,801.98	-5,887.69	45.28	5,887.86	0.00	0.00	0.00	
15,600.00	88.84	179.56	9,804.00	-5,987.66	46.05	5,987.84	0.00	0.00	0.00	
15,700.00	88.84	179.56	9,806.02	-6,087.64	46.83	6,087.82	0.00	0.00	0.00	
15,800.00	88.84	179.56	9,808.04	-6,187.62	47.60	6,187.80	0.00	0.00	0.00	
15,900.00	88.84	179.56	9,810.06	-6,287.59	48.37	6,287.78	0.00	0.00	0.00	
16,000.00	88.84	179.56	9,812.08	-6,387.57	49.14	6,387.76	0.00	0.00	0.00	
16,100.00	88.84	179.56	9,814.10	-6,487.55	49.92	6,487.74	0.00	0.00	0.00	
16,200.00	88.84	179.56	9,816.12	-6,587.52	50.69	6,587.72	0.00	0.00	0.00	
16,300.00	88.84	179.56	9,818.14	-6,687.50	51.46	6,687.70	0.00	0.00	0.00	
16,400.00	88.84	179.56	9,820.16	-6,787.48	52.23	6,787.68	0.00	0.00	0.00	
16,500.00	88.84	179.56	9,822.18	-6,887.45	53.01	6,887.66	0.00	0.00	0.00	
16,600.00	88.84	179.56	9,824.20	-6,987.43	53.78	6,987.64	0.00	0.00	0.00	
16,700.00	88.84	179.56	9,826.23	-7,087.41	54.55	7,087.62	0.00	0.00	0.00	
16,800.00	88.84	179.56	9,828.25	-7,187.38	55.32	7,187.60	0.00	0.00	0.00	
16,900.00	88.84	179.56	9,830.27	-7,287.36	56.10	7,287.58	0.00	0.00	0.00	
17,000.00	88.84	179.56	9,832.29	-7,387.34	56.87	7,387.56	0.00	0.00	0.00	
17,100.00	88.84	179.56	9,834.31	-7,487.31	57.64	7,487.54	0.00	0.00	0.00	
17,200.00	88.84	179.56	9,836.33	-7,587.29	58.41	7,587.52	0.00	0.00	0.00	
17,300.00	88.84	179.56	9,838.35	-7,687.27	59.19	7,687.49	0.00	0.00	0.00	
17,400.00	88.84	179.56	9,840.37	-7,787.24	59.96	7,787.47	0.00	0.00	0.00	
17,500.00	88.84	179.56	9,842.39	-7,887.22	60.73	7,887.45	0.00	0.00	0.00	
17,600.00	88.84	179.56	9,844.41	-7,987.20	61.50	7,987.43	0.00	0.00	0.00	
17,700.00	88.84	179.56	9,846.43	-8,087.17	62.28	8,087.41	0.00	0.00	0.00	
17,800.00	88.84	179.56	9,848.45	-8,187.15	63.05	8,187.39	0.00	0.00	0.00	
17,900.00	88.84	179.56	9,850.47	-8,287.13	63.82	8,287.37	0.00	0.00	0.00	
18,000.00	88.84	179.56	9,852.49	-8,387.10	64.59	8,387.35	0.00	0.00	0.00	

Planning Report

Database:	EDMProd	Local Co-ordinate Reference:	Well Record State Com 23-26-35 501H
Company:	Amtex Energy Inc.	TVD Reference:	RKB @ 3762.50usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	RKB @ 3762.50usft
Site:	Record Com 26-35	North Reference:	Grid
Well:	Record State Com 23-26-35 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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)	
18,100.00	88.84	179.56	9,854.52	-8,487.08	65.37	8,487.33	0.00	0.00	0.00	
18,200.00	88.84	179.56	9,856.54	-8,587.06	66.14	8,587.31	0.00	0.00	0.00	
18,300.00	88.84	179.56	9,858.56	-8,687.03	66.91	8,687.29	0.00	0.00	0.00	
18,400.00	88.84	179.56	9,860.58	-8,787.01	67.68	8,787.27	0.00	0.00	0.00	
18,500.00	88.84	179.56	9,862.60	-8,886.99	68.46	8,887.25	0.00	0.00	0.00	
18,600.00	88.84	179.56	9,864.62	-8,986.96	69.23	8,987.23	0.00	0.00	0.00	
18,700.00	88.84	179.56	9,866.64	-9,086.94	70.00	9,087.21	0.00	0.00	0.00	
18,800.00	88.84	179.56	9,868.66	-9,186.92	70.77	9,187.19	0.00	0.00	0.00	
18,900.00	88.84	179.56	9,870.68	-9,286.89	71.55	9,287.17	0.00	0.00	0.00	
19,000.00	88.84	179.56	9,872.70	-9,386.87	72.32	9,387.15	0.00	0.00	0.00	
19,100.00	88.84	179.56	9,874.72	-9,486.85	73.09	9,487.13	0.00	0.00	0.00	
19,200.00	88.84	179.56	9,876.74	-9,586.82	73.86	9,587.11	0.00	0.00	0.00	
19,300.00	88.84	179.56	9,878.76	-9,686.80	74.64	9,687.09	0.00	0.00	0.00	
19,400.00	88.84	179.56	9,880.78	-9,786.78	75.41	9,787.07	0.00	0.00	0.00	
19,500.00	88.84	179.56	9,882.81	-9,886.75	76.18	9,887.05	0.00	0.00	0.00	
19,600.00	88.84	179.56	9,884.83	-9,986.73	76.95	9,987.03	0.00	0.00	0.00	
19,700.00	88.84	179.56	9,886.85	-10,086.71	77.73	10,087.00	0.00	0.00	0.00	
19,800.00	88.84	179.56	9,888.87	-10,186.68	78.50	10,186.98	0.00	0.00	0.00	
19,900.00	88.84	179.56	9,890.89	-10,286.66	79.27	10,286.96	0.00	0.00	0.00	
20,000.00	88.84	179.56	9,892.91	-10,386.64	80.04	10,386.94	0.00	0.00	0.00	
20,100.00	88.84	179.56	9,894.93	-10,486.61	80.82	10,486.92	0.00	0.00	0.00	
20,200.00	88.84	179.56	9,896.95	-10,586.59	81.59	10,586.90	0.00	0.00	0.00	
20,300.00	88.84	179.56	9,898.97	-10,686.57	82.36	10,686.88	0.00	0.00	0.00	
20,400.00	88.84	179.56	9,900.99	-10,786.54	83.13	10,786.86	0.00	0.00	0.00	
20,500.00	88.84	179.56	9,903.01	-10,886.52	83.91	10,886.84	0.00	0.00	0.00	
20,600.00	88.84	179.56	9,905.03	-10,986.49	84.68	10,986.82	0.00	0.00	0.00	
20,700.00	88.84	179.56	9,907.05	-11,086.47	85.45	11,086.80	0.00	0.00	0.00	
20,800.00	88.84	179.56	9,909.07	-11,186.45	86.22	11,186.78	0.00	0.00	0.00	
20,900.00	88.84	179.56	9,911.10	-11,286.42	87.00	11,286.76	0.00	0.00	0.00	
21,000.00	88.84	179.56	9,913.12	-11,386.40	87.77	11,386.74	0.00	0.00	0.00	
21,100.00	88.84	179.56	9,915.14	-11,486.38	88.54	11,486.72	0.00	0.00	0.00	
21,200.00	88.84	179.56	9,917.16	-11,586.35	89.31	11,586.70	0.00	0.00	0.00	
21,300.00	88.84	179.56	9,919.18	-11,686.33	90.09	11,686.68	0.00	0.00	0.00	
21,340.68	88.84	179.56	9,920.00	-11,727.00	90.40	11,727.35	0.00	0.00	0.00	
TD at 21340.68' MD										

Planning Report

Database:	EDMProd	Local Co-ordinate Reference:	Well Record State Com 23-26-35 501H
Company:	Amtex Energy Inc.	TVD Reference:	RKB @ 3762.50usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	RKB @ 3762.50usft
Site:	Record Com 26-35	North Reference:	Grid
Well:	Record State Com 23-26-35 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
RSC 23-26-35 501H - BI	0.00	0.00	0.00	-11,727.00	90.40	586,723.01	817,883.24	32.609742	-103.435237
- plan misses target center by 9917.97usft at 21140.22usft MD (9915.95 TVD, -11526.59 N, 88.85 E)									
- Point									
RSC 23-26-35 501H - L1	0.00	0.00	0.00	-11,696.98	90.18	586,753.02	817,883.01	32.609825	-103.435237
- plan misses target center by 9917.37usft at 21110.21usft MD (9915.34 TVD, -11496.59 N, 88.62 E)									
- Point									
RSC 23-26-35 501H - F	0.00	0.00	0.00	39.98	-0.34	598,489.99	817,792.50	32.642084	-103.435209
- plan misses target center by 39.99usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
RSC 23-26-35 501H - K	0.00	0.00	0.00	120.35	-1.14	598,570.36	817,791.69	32.642305	-103.435210
- plan misses target center by 120.36usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(usft)	(usft)	+N/-S	+E/-W	Comment	
		(usft)	(usft)		
4,300.00	4,300.00	0.00	0.00	Build 1°/100'	
4,961.63	4,960.16	38.16	-0.36	Hold 6.62° INC	
5,343.86	5,339.84	82.20	-0.78	Drop 1°/100'	
6,005.48	6,000.00	120.35	-1.14	Hold Vertical	
9,218.11	9,212.63	120.35	-1.14	KOP @ 9218.11' MD	
9,958.47	9,690.00	-347.45	2.47	Land @ 9958.47' MD	
21,340.68	9,920.00	-11,727.00	90.40	TD at 21340.68' MD	

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: Amtex Energy Inc. **OGRID:** 785 **Date:** 12 / 08 / 24

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
Record State Com 23 26 35 501H	30-025-	M-23-19s-35e	1190 FSL 400 FWL	30	30	70

IV. Central Delivery Point Name: DCP Operating Company LP (36785) [See 19.15.27.9(D)(1) NMAC]
@ Amtex's Record 5 E-26-19s-35e

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
Record State Com 23 26 35 501H	30-025-	1-2-24	2-2-24	2-16-24	3-1-24	3-15--24

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

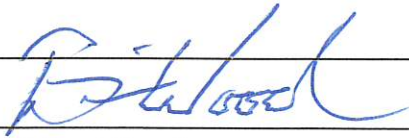
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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:	Brian Wood
Title:	Consultant
E-mail Address:	brian@permitswest.com
Date:	12-8-24
Phone:	505 466-8120

OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)

Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. SEPARATION EQUIPMENT

Amtex Energy Inc. (Amtex) tentatively plans to install a heater-treater, gas scrubber, separator, vapor recovery unit, vapor recovery pipes for all tanks, and oil and water tanks.

VII. OPERATIONAL PRACTICES

NMAC 19.15.27.8 (A) Venting & Flaring of Natural Gas

1. Amtex will comply NMAC 19.15.27.8 – venting and flaring of gas during drilling, completion, or production that constitutes waste as defined in 19.15.2 is banned.

NMAC 19.15.27.8 (B) Venting & Flaring During Drilling

1. Amtex will capture or combust gas if technically feasible during drilling operations using best industry practices.
2. A flare stack with a 100% capacity for expected volume will be set on the pad ≥ 100 feet from the nearest well head and storage tank.
3. In an emergency, Amtex will vent gas in order to avoid substantial impact. Amtex will report vented or flared gas to the NMOCD.

NMAC 19.15.27.8 (C) Venting & Flaring During Completion or Recompletion

1. Facilities will be built and ready from the first day of flowback
2. Test separator will be properly separate gas and liquids. Temporary test separator will be used initially to process volumes. In addition, separator will be tied into flowback tanks which will be tied into the gas processing equipment for sale down a pipeline.
3. Should the facility not be ready to process gas, or the gas does not meet quality standards, then storage tanks will be set that are tied into gas busters or a temporary flare to manage all gas. This flare would meet the following requirements:
 - a) An appropriately sized flare stack with an automatic igniter
 - b) Amtex analyzes gas samples twice a week

- c) Amtex flows the gas into a gathering line as soon as the pipeline specifications are met
- d) Amtex provides the NMOCD with pipeline specifications and natural gas data.

NMAC 19.15.27.8 (D) Venting & Flaring During Production

Amtex will not vent or flare natural gas except:

1. During an emergency or malfunction
2. To unload or clean-up liquid holdup in a well to atmospheric pressure, provided
 - a) Amtex does not vent after the well achieves a stabilized rate and pressure
 - b) Amtex will be on-site while unloading liquids by manual purging and take all reasonable actions to achieve a stabilized rate and pressure as soon as possible
 - c) Amtex will optimize the system to minimize gas venting if the well is equipped with a plunger lift or auto control system
 - d) Best management practices will be used during downhole well maintenance.
3. During the first year of production from an exploratory well provided
 - a) Amtex receives approval from the NMOCD
 - b) Amtex stays in compliance with NMOCD gas capture requirements
 - c) Amtex submits an updated C-129 form to the NMOCD
4. During the following activities unless prohibited
 - a) Gauging or sampling a storage tank or low-pressure production vessel
 - b) Loading out liquids from a storage tank
 - c) Repair and maintenance
 - d) Normal operation of a gas-activated pneumatic controller or pump
 - e) Normal operation of a storage tank but not including venting from a thief hatch
 - f) Normal operation of dehydration units
 - g) Normal operations of compressors, engines, turbines, valves, flanges, & connectors
 - h) During a Braden head, packer leak test, or production test lasting <24 hours
 - i) When natural gas does not meet the gathering line specifications
 - j) Commissioning of lines, equipment, or facilities only for as long as necessary to purge introduced impurities.

NMAC 19.15.27.8 (E) Performance Standards

1. Amtex used a safety factor to design the separation and storage equipment. The equipment will be routed to a vapor recovery system and uses a flare as back up for startup, shutdown, maintenance, or malfunction of the VRU system.
2. Amtex will install a flare that will handle the full facility vapor volume in case the VRU fails. It will have an auto-ignition system.
3. Flare stacks will be appropriately sized and designed to ensure proper combustion efficiency
 - a) Flare stacks installed or replaced will be equipped with an automatic ignitor or continuous pilot.
 - b) Previously installed flare stacks will be retrofitted within 18 months of May 25, 2021, with an automatic ignitor, continuous pilot, or technology that alerts Amtex to flare malfunction.
 - c) Flare stacks replaced after May 25, 2021, will be equipped with an automatic ignitor or continuous pilot if at a well or facility with an average production of ≤ 60 Mcfd of natural gas.
 - d) Flare stacks will be located >100 feet from well head and storage tanks and securely anchored.
4. Amtex will conduct an audio/visual/olfactory inspection on all components for leaks and defects every week.
5. Amtex will make and keep records of AVO inspections available to the NMOCD for at least 5 years.
6. Amtex may use a remote or automated monitoring technology to detect leaks and releases in lieu of AVO inspections with prior NMOCD approval.
7. Facilities will be designed to minimize waste.
8. Amtex will resolve emergencies as promptly as possible.

NMAC 19.15.27.8 (F) Measuring or Estimating Vented & Flared Natural Gas

1. Amtex will have meters on both the low pressure and high-pressure sides of the flares. Volumes will be recorded in the SCADA system.
2. Amtex will install equipment to measure the volume of flared natural gas that has an average production of ≥ 60 Mcfd.
3. Amtex's measuring equipment will conform to industry standards.
4. Measurement system will be designed such that it cannot be bypassed except for inspections and servicing the meters.

5. Amtex will estimate the volume of vented or flared gas using a methodology that can be independently verified if metering is not practicable due to low flow rate or pressure.
6. Amtex will estimate the volume of vented and flared gas based on the results of an annual GOR test for wells that do not require measuring equipment reported on form C-116.
7. Amtex will install measuring equipment whenever the NMOCD determines that metering is necessary.

VIII. Best Management Practices

Amtex will minimize venting during maintenance by:

1. Designing and operating system to route storage tank and process equipment emissions to the VRU. If the VRU is inoperable, then vapors will be routed to the flare.
2. Scheduling maintenance for multiple tasks to minimize the need for blowdowns.
3. After completion of maintenance, gas will be flared until it meets pipeline specifications.