<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

Title:

Date:

Email Address:

channa@ameredev.com

3/23/2022

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

2901 Via Fortuna

AMEREDEV OPERATING, LLC

1. Operator Name and Address

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 312656

2. OGRID Number

3. API Number

372224

Expiration Date: 3/28/2024

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

	i via i Oitulia									S. API IN		
Aus	tin, TX 78746										30-025-4993	3
Property Co			Property N							6. Well N		
331	807		A	ZALEA 26 36 28	STATE COM						127H	
					7 Surfa	ce Location						
UL - Lot	Section	Township	Rar	nge	Lot Idn	Feet From		N/S Line	Feet From		E/W Line	County
Α Α	28			36E	Α	230)	N		225	E	Lea
			- 1		ı			1			<u> </u>	
UL - Lot	Section	Township	I D	ange	8. Proposed Bo	Feet From	cation	N/S Line	Feet From		E/W Line	County
H				36E	1		0	S S		785	E	Lea
	•	II.			0 Dool	Information						•
WC-025 G-0	9 S263619C;WOLF	CAMP			9. P001	iniormation					98234	
					A -1 -11411 1	M-11 1 6					1	
11. Work Type		12. Well Typ		12	Cable/Rotary	Nell Informati		Lease Type	15 C	round Love	el Elevation	
New Well OIL			13.	Cable/Rotaly		144. L	State	13. G	2912			
16. Multiple	V VVCII	17. Proposed		18	Formation		10 (Contractor	20. St	pud Date		
N 20169					Wolfcamp		19. 0	Contractor	20. 3		2022	
	epth to Ground water Distance from nearest								Distar		est surface water	
					. Proposed Casir							
Туре	Hole Size	Casing		Casir	ig Weight/ft	_	ing De	pth	Sacks of (Estimated TOC
Surf	17.5	13.3			68		1848		150			0
Int1	12.25	7.62			29.7		0899		240			0
Prod	6.75	5.5	5		23	2	20169 1570			0		
				Casi	ng/Cement Progr	am: Addition	al Con	nments				
					. Proposed Blow	out Preventio	n Pro	gram				
	Туре			Workin	g Pressure			Test Press	ure		Manu	ıfacturer
	Double Ram			5	000			2500			TBD	
					4 - 4b - 14 -6				ON CONCESS	ATION DE		
	certify that the infor	mation given ab	ove is true	and complete	to trie best of my			(OIL CONSERV	A HON DI	VISION	
knowledge a	na pellet. ify I have complie	d with 40 45 44	O (A) NIBAA	C Mandle: 40	4E 44 0 (D) NISA	ر ا						
i τurtner ceri ⊠, if applica		u with 19.15.14	.σ (A) NIVIA	C 🖂 and/or 19	. 13. 14.9 (B) NMA							
Signature:												
Printed Name:	Electronical	ly filed by Chris	tie Hanna			Approved B	v:	Paul F Kaut	Z			
T:41		,,					,	/ (0.0)				

Title:

Phone: 737-300-4723

Approved Date:

Geologist

3/28/2022

Conditions of Approval Attached

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

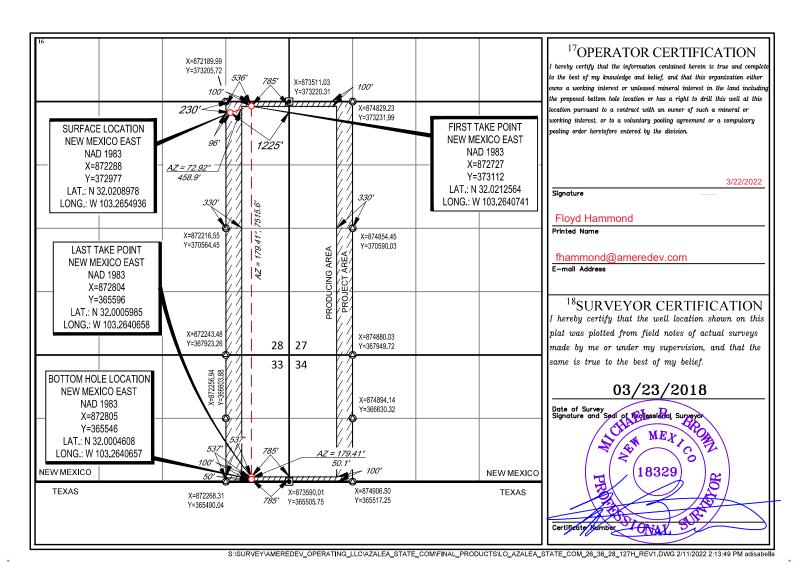
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-49933	r ² Pool Code 98234	³ Pool Name WC-025 G-09 S263619C; WOLFCAMP	
⁴ Property Code 331807		Property Name ATEXEOM 26 36 28 STATE COM	⁶ Well Number 127H
⁷ OGRID No. 372224	AMEREDEV	Operator Name OPERATING, LLC.	⁹ Elevation 2912'

¹⁰Surface Location

UL or lot no.	Section 28	Township 26-S	36-E	Lot Idn —	Feet from the 230'	NORTH	1225'	EAST	LEA
			11]	Bottom Ho	le Location If I	Different From Su	rface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	33	26-S	36-E	_	50'	SOUTH	785'	EAST	LEA
12Dedicated Acres	¹³ Joint or l	infill 14Co	nsolidation Cod	de ¹⁵ Ord	er No.				
467.40			С						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Form APD Conditions

Permit 312656

<u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

<u>District II</u> 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 <u>District III</u>

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:			
AMEREDEV OPERATING, LLC [372224]	30-025-49933			
2901 Via Fortuna	Well:			
Austin, TX 78746	AZALEA 26 36 28 STATE COM #127H			

OCD Reviewer	Condition
pkautz	Notify OCD 24 hours prior to casing & cement
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
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
	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	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface 2) PRODUCTION CASING - Cement must tie back into intermediate casing
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud



American Resource Development LLC.

Ameredev Operating

Lea County, NM (N83-NME)
Camelia_Azalea
Azalea State Com 26-36-28 127H
127H

Plan: Baseline Plan #2 - 179.41

Permit Plan

15 March, 2022



TVD Reference: MD Reference:

Company: Ameredev Operating
Project: Lea County, NM (N83-NME)

Site: Camelia_Azalea

Well: Azalea State Com 26-36-28 127H

Wellbore: 127H

Design: Baseline Plan #2 - 179.41

Local Co-ordinate Reference:

GL 2912 + 27 KB @ 2939.0usft GL 2912 + 27 KB @ 2939.0usft

Well Azalea State Com 26-36-28 127H

North Reference: Grid

Survey Calculation Method: Minimum Curvature

Database: AUS-COMPASS - EDM_15 - 32bit

Project Lea County, NM (N83-NME)

Map System:US State Plane 1983Geo Datum:North American Datum 1983

Map Zone: New Mexico Eastern Zone

Mean Sea Level

Site Camelia Azalea

Northing: 372,976.85 usft 32.02089781 Site Position: Latitude: Easting: -103.26549359 From: 872,288.43 usft Map Longitude: 13-3/16" 0.57 **Position Uncertainty:** 0.0 usft Slot Radius: **Grid Convergence:**

System Datum:

Well Azalea State Com 26-36-28 127H **Well Position** +N/-S 0.0 usft Northing: 372,976.85 usft Latitude: 32.02089780 +E/-W 0.0 usft 872,288.43 usft -103.26549360 Easting: Longitude: **Position Uncertainty** 0.0 usft Wellhead Elevation: Ground Level: 2,912.0 usft

Wellbore 127H Field Strength Declination Magnetics **Model Name** Sample Date Dip Angle (°) (°) (nT) 47,338.30296344 IGRF2020 2/14/2022 6.31 59.74

Baseline Plan #2 - 179.41 Design **Audit Notes:** PLAN 0.0 Version: Phase: Tie On Depth: Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 179.41 0.0 0.0 0.0

 Survey Tool Program
 Date
 3/15/2022

 From (usft)
 To (usft)
 Survey (Wellbore)
 Tool Name
 Description

 0.0
 20,168.6
 Baseline Plan #2 - 179.41 (127H)
 MWD
 OWSG MWD - Standard

Planned Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude (°)	Longitude (°)
0.0	0.00	0.00	0.0	-230.0	-1,225.0	32.02089780	-103.26549360
100.0	0.00	0.00	100.0	-230.0	-1,225.0	32.02089780	-103.26549360
200.0	0.00	0.00	200.0	-230.0	-1,225.0	32.02089780	-103.26549360
300.0	0.00	0.00	300.0	-230.0	-1,225.0	32.02089780	-103.26549360
400.0	0.00	0.00	400.0	-230.0	-1,225.0	32.02089780	-103.26549360
Start Build 1.00							
500.0	1.00	33.72	500.0	-229.3	-1,224.5	32.02089978	-103.26549201
600.0	2.00	33.72	600.0	-227.1	-1,223.1	32.02090573	-103.26548726
700.0	3.00	33.72	699.9	-223.5	-1,220.6	32.02091563	-103.26547933
800.0	4.00	33.72	799.7	-218.4	-1,217.3	32.02092950	-103.26546823
900.0	5.00	33.72	899.4	-211.9	-1,212.9	32.02094731	-103.26545397



Company: Ameredev Operating
Project: Lea County, NM (N83-NME)

Site: Camelia_Azalea

Well: Azalea State Com 26-36-28 127H

Wellbore: 127H

Design: Baseline Plan #2 - 179.41

Local Co-ordinate Reference:

TVD Reference:
MD Reference:

North Reference: Survey Calculation Method:

Database:

Well Azalea State Com 26-36-28 127H

GL 2912 + 27 KB @ 2939.0usft GL 2912 + 27 KB @ 2939.0usft

Grid

Minimum Curvature

d Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude (°)	Longitude (°)
964.6	5.65	33.72	963.6	-206.9	-1,209.6	32.02096091	-103.26544
Start 5487.2 hold							
1,000.0	5.65	33.72	998.9	-204.0	-1,207.6	32.02096883	-103.26543
1,100.0	5.65	33.72	1,098.4	-195.8	-1,202.2	32.02099117	-103.26541
1,200.0	5.65	33.72	1,197.9	-187.6	-1,196.7	32.02101351	-103.26540
1,300.0	5.65	33.72	1,297.5	-179.4	-1,191.3	32.02103585	-103.26538
1,400.0	5.65	33.72	1,397.0	-171.3	-1,185.8	32.02105819	-103.26536
1,500.0	5.65	33.72	1,496.5	-163.1	-1,180.3	32.02108053	-103.26534
1,600.0	5.65	33.72	1,596.0	-154.9	-1,174.9	32.02110287	-103.26532
1,700.0	5.65	33.72	1,695.5	-146.7	-1,169.4	32.02112522	-103.2653
1,727.6	5.65	33.72	1,723.0	-144.5	-1,167.9	32.02113138	-103.26530
Rustler							
1,800.0	5.65	33.72	1.795.0	-138.5	-1,163.9	32.02114756	-103.26529
1,900.0	5.65	33.72	1,894.5	-130.3	-1,158.5	32.02116990	-103.2652
2,000.0	5.65	33.72	1,994.1	-122.2	-1,153.0	32.02119224	-103.2652
2,100.0	5.65	33.72	2,093.6	-114.0	-1,147.6	32.02121458	-103.2652
2,187.8	5.65	33.72	2,181.0	-106.8	-1,142.8	32.02123420	-103.26522
Salado	0.00	552	2,10110	.00.0	.,2.0	02.02.120.120	.00.2002.
2,200.0	5.65	33.72	2,193.1	-105.8	-1,142.1	32.02123692	-103.2652
2,300.0	5.65	33.72	2,292.6	-97.6	-1,136.6	32.02125926	-103.2652
2,400.0	5.65	33.72	2,392.1	-89.4	-1,131.2	32.02128160	-103.26518
2,500.0	5.65	33.72	2,491.6	-81.3	-1,125.7	32.02130394	-103.2651
2,600.0	5.65	33.72	2,591.2	-73.1	-1,120.3	32.02132628	-103.2651
2,700.0	5.65	33.72	2,690.7	-64.9	-1,114.8	32.02134862	-103.2651
2,800.0	5.65	33.72	2,790.2	-56.7	-1,109.3	32.02137096	-103.2651
2,900.0	5.65	33.72	2,889.7	-48.5	-1,103.9	32.02139330	-103.2650
3,000.0	5.65	33.72	2,989.2	-40.3	-1,098.4	32.02141564	-103.2650
3,100.0	5.65	33.72	3,088.7	-32.2	-1,092.9	32.02143798	-103.2650
3,160.6	5.65	33.72	3,149.0	-27.2	-1,089.6	32.02145151	-103.2650
Tansill							
3,200.0	5.65	33.72	3,188.2	-24.0	-1,087.5	32.02146032	-103.2650
3,300.0	5.65	33.72	3,287.8	-15.8	-1,082.0	32.02148266	-103.2650
3,400.0	5.65	33.72	3,387.3	-7.6	-1,076.6	32.02150500	-103.26500
3,500.0	5.65	33.72	3,486.8	0.6	-1,071.1	32.02152734	-103.26498
3,514.0	5.65	33.72	3,500.7	1.7	-1,070.3	32.02153047	-103.26498
Lease Line Exit a	t 3514.0 MD						
3,600.0	5.65	33.72	3,586.3	8.8	-1,065.6	32.02154968	-103.26497
3,700.0	5.65	33.72	3,685.8	16.9	-1,060.2	32.02157203	-103.2649
3,772.5	5.65	33.72	3,758.0	22.9	-1,056.2	32.02158823	-103.26494
Capitan	5.05	00.70	0.705.0	05.4	40547	20 00450407	100.0040
3,800.0	5.65	33.72	3,785.3	25.1	-1,054.7	32.02159437	-103.2649
3,900.0	5.65	33.72	3,884.8	33.3	-1,049.3	32.02161671	-103.2649
4,000.0	5.65	33.72	3,984.4	41.5	-1,043.8	32.02163905	-103.26490
4,100.0	5.65	33.72	4,083.9	49.7	-1,038.3	32.02166139	-103.26488
4,200.0	5.65	33.72	4,183.4	57.8	-1,032.9	32.02168373	-103.26486



Company: Ameredev Operating
Project: Lea County, NM (N83-NME)

Site: Camelia_Azalea

Well: Azalea State Com 26-36-28 127H

Wellbore: 127H

Design: Baseline Plan #2 - 179.41

Local Co-ordinate Reference:

TVD Reference:
MD Reference:

North Reference:

Survey Calculation Method: Database:

Well Azalea State Com 26-36-28 127H

GL 2912 + 27 KB @ 2939.0usft GL 2912 + 27 KB @ 2939.0usft

Grid

Minimum Curvature

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude (°)	Longitude (°)
4,300.0	5.65	33.72	4,282.9	66.0	-1,027.4	32.02170607	-103.26484
4,400.0	5.65	33.72	4,382.4	74.2	-1,021.9	32.02172841	-103.26482
4,500.0	5.65	33.72	4,481.9	82.4	-1,016.5	32.02175075	-103.26481
4,600.0	5.65	33.72	4,581.5	90.6	-1,011.0	32.02177309	-103.26479
4,700.0	5.65	33.72	4,681.0	98.8	-1,005.6	32.02179543	-103.26477
4,800.0	5.65	33.72	4,780.5	106.9	-1,000.1	32.02181777	-103.26475
4,900.0	5.65	33.72	4,880.0	115.1	-994.6	32.02184011	-103.26473
4,999.5	5.65	33.72	4,979.0	123.3	-989.2	32.02186234	-103.26472
Lamar							
5,000.0	5.65	33.72	4,979.5	123.3	-989.2	32.02186245	-103.26472
5,100.0	5.65	33.72	5,079.0	131.5	-983.7	32.02188479	-103.26470
5,174.3	5.65	33.72	5,153.0	137.6	-979.7	32.02190140	-103.26469
Bell Canyon							
5,200.0	5.65	33.72	5,178.5	139.7	-978.3	32.02190713	-103.26468
5,300.0	5.65	33.72	5,278.1	147.8	-972.8	32.02192947	-103.26466
5,400.0	5.65	33.72	5,377.6	156.0	-967.3	32.02195181	-103.2646
5,500.0	5.65	33.72	5,477.1	164.2	-961.9	32.02197415	-103.26463
5,600.0	5.65	33.72	5,576.6	172.4	-956.4	32.02199649	-103.2646
5,700.0	5.65	33.72	5,676.1	180.6	-950.9	32.02201883	-103.26459
5,800.0	5.65	33.72	5,775.6	188.8	-945.5	32.02204117	-103.26457
5,900.0	5.65	33.72	5,875.1	196.9	-940.0	32.02206352	-103.26456
6,000.0	5.65	33.72	5,974.7	205.1	-934.6	32.02208586	-103.26454
6,100.0	5.65	33.72	6,074.2	213.3	-929.1	32.02210820	-103.26452
6,200.0	5.65	33.72	6,173.7	221.5	-923.6	32.02213054	-103.26450
6,300.0	5.65	33.72	6,273.2	229.7	-918.2	32.02215288	-103.26448
6,400.0	5.65	33.72	6,372.7	237.9	-912.7	32.02217522	-103.26447
6,451.8	5.65	33.72	6,424.2	242.1	-909.9	32.02218678	-103.26446
Start Drop -1.50							
6,500.0	4.92	33.72	6,472.3	245.8	-907.4	32.02219687	-103.26445
6,600.0	3.42	33.72	6,572.0	251.8	-903.4	32.02221339	-103.26444
6,700.0	1.92	33.72	6,671.9	255.7	-900.8	32.02222398	-103.26443
6,800.0	0.42	33.72	6,771.9	257.4	-899.7	32.02222862	-103.26442
6,828.1	0.00	0.00	6,800.0	257.5	-899.6	32.02222886	-103.26442
Start 2720.0 hold a	t 6828.1 MD						
6,900.0	0.00	0.00	6,871.9	257.5	-899.6	32.02222886	-103.26442
7,000.0	0.00	0.00	6,971.9	257.5	-899.6	32.02222886	-103.26442
7,041.1	0.00	0.00	7,013.0	257.5	-899.6	32.02222886	-103.26442
Brushy Canyon							
7,100.0	0.00	0.00	7,071.9	257.5	-899.6	32.02222886	-103.26442
7,200.0	0.00	0.00	7,171.9	257.5	-899.6	32.02222886	-103.26442
7,300.0	0.00	0.00	7,271.9	257.5	-899.6	32.02222886	-103.26442
7,400.0	0.00	0.00	7,371.9	257.5	-899.6	32.02222886	-103.26442
7,500.0	0.00	0.00	7,471.9	257.5	-899.6	32.02222886	-103.26442
7,600.0	0.00	0.00	7,571.9	257.5	-899.6	32.02222886	-103.26442
7,700.0	0.00	0.00	7,671.9	257.5	-899.6	32.02222886	-103.26442



Company: Ameredev Operating
Project: Lea County, NM (N83-NME)

Site: Camelia_Azalea

Well: Azalea State Com 26-36-28 127H

Wellbore: 127H

Design: Baseline Plan #2 - 179.41

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method:

Database:

Well Azalea State Com 26-36-28 127H

GL 2912 + 27 KB @ 2939.0usft GL 2912 + 27 KB @ 2939.0usft

Grid

Minimum Curvature

ned Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude (°)	Longitude (°)
7,800.0	0.00	0.00	7,771.9	257.5	-899.6	32.02222886	-103.264428
7,900.0	0.00	0.00	7,871.9	257.5	-899.6	32.02222886	-103.264428
7,984.1	0.00	0.00	7,956.0	257.5	-899.6	32.02222886	-103.264428
Bone Spring Lin	ne						
8,000.0	0.00	0.00	7,971.9	257.5	-899.6	32.02222886	-103.264428
8,100.0	0.00	0.00	8,071.9	257.5	-899.6	32.02222886	-103.264428
8,200.0	0.00	0.00	8,171.9	257.5	-899.6	32.02222886	-103.264428
8,300.0	0.00	0.00	8,271.9	257.5	-899.6	32.02222886	-103.264428
8,400.0	0.00	0.00	8,371.9	257.5	-899.6	32.02222886	-103.264428
8,500.0	0.00	0.00	8,471.9	257.5	-899.6	32.02222886	-103.264428
8,600.0	0.00	0.00	8,571.9	257.5	-899.6	32.02222886	-103.264428
8,700.0	0.00	0.00	8,671.9	257.5	-899.6	32.02222886	-103.264428
8,800.0	0.00	0.00	8,771.9	257.5	-899.6	32.02222886	-103.264428
8,900.0	0.00	0.00	8,871.9	257.5	-899.6	32.02222886	-103.264428
9,000.0	0.00	0.00	8,971.9	257.5	-899.6	32.02222886	-103.264428
9,100.0	0.00	0.00	9,071.9	257.5	-899.6	32.02222886	-103.264428
9,200.0	0.00	0.00	9,171.9	257.5	-899.6	32.02222886	-103.264428
9,300.0	0.00	0.00	9,271.9	257.5	-899.6	32.02222886	-103.264428
9,400.0	0.00	0.00	9,371.9	257.5	-899.6	32.02222886	-103.264428
9,500.0	0.00	0.00	9,471.9	257.5	-899.6	32.02222886	-103.264428
9,536.1	0.00	0.00	9,508.0	257.5	-899.6	32.02222886	-103.264428
First Bone Sprin 9,548.1	ng 0.00	0.00	9,520.0	257.5	-899.6	32.02222886	-103.264428
Start Build 1.50	0.00	0.00	9,320.0	251.5	-099.0	32.02222000	-103.204420
	0.70	20.04	0.574.0	057.0	200.4		400.00440
9,600.0	0.78	33.61	9,571.9	257.8	-899.4	32.02222966	-103.264427
9,700.0	2.28	33.61	9,671.8	260.0	-897.9	32.02223572	-103.264422
9,800.0	3.78	33.61	9,771.7	264.4	-895.0	32.02224773	-103.264413
9,900.0 9,947.9	5.28 6.00	33.61 33.61	9,871.4 9,919.1	271.0 274.9	-890.6 -888.0	32.02226568 32.02227639	-103.264398 -103.264390
,		33.01	9,919.1	274.9	-000.0	32.02227039	-103.204390
Start 1467.4 hold							
10,000.0	6.00	33.61	9,970.8	279.4	-885.0	32.02228876	-103.264380
10,100.0	6.00	33.61	10,070.3	288.1	-879.2	32.02231252	-103.264361
10,111.8	6.00	33.61	10,082.0	289.2	-878.6	32.02231532	-103.264359
Second Bone Sp 10,200.0	pring 6.00	33.61	10,169.8	296.8	-873.5	32.02233628	-103.264342
10,300.0	6.00	33.61	10,269.2	305.5	-867.7	32.02236004	-103.264323
10,400.0	6.00	33.61	10,368.7	314.2	-861.9	32.02238379	-103.264304
10,500.0	6.00	33.61	10,468.1	322.9	-856.1	32.02230379	-103.264285
10,600.0	6.00	33.61	10,567.6	331.6	-850.3	32.02243131	-103.264266
10,700.0	6.00	33.61	10,667.0	340.3	-844.5	32.02245507	-103.264247
10,800.0	6.00	33.61	10,766.5	349.0	-838.8	32.02247883	-103.264229
10,807.6	6.00	33.61	10,774.0	349.7	-838.3	32.02248063	-103.264227
Third Bone Spri			2,				
10,900.0	6.00	33.61	10,865.9	357.7	-833.0	32.02250259	-103.264210
11,000.0	6.00	33.61	10,965.4	366.4	-827.2	32.02252634	-103.26419



Company: Ameredev Operating
Project: Lea County, NM (N83-NME)

Site: Camelia_Azalea

Well: Azalea State Com 26-36-28 127H

Wellbore: 127H

Design: Baseline Plan #2 - 179.41

Local Co-ordinate Reference:

TVD Reference:
MD Reference:

North Reference: C Survey Calculation Method:

Database:

Well Azalea State Com 26-36-28 127H

GL 2912 + 27 KB @ 2939.0usft GL 2912 + 27 KB @ 2939.0usft

Grid

Minimum Curvature

ed Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude (°)	Longitude (°)
11,100.0	6.00	33.61	11,064.8	375.2	-821.4	32.02255010	-103.26417
11,200.0	6.00	33.61	11,164.3	383.9	-815.6	32.02257386	-103.26415
11,300.0	6.00	33.61	11,263.7	392.6	-809.8	32.02259762	-103.26413
11,400.0	6.00	33.61	11,363.2	401.3	-804.1	32.02262138	-103.26411
11,406.9	6.00	33.61	11,370.0	401.9	-803.7	32.02262300	-103.26411
Third Bone Spring	0.00	20.04	44.070.4	400.0	200.0	00.0000500	100 00111
11,415.3	6.00	33.61	11,378.4	402.6	-803.2	32.02262502	-103.26411
Start Drop -1.50 11,500.0	4.73	33.61	11,462.7	409.2	-798.8	32.02264301	-103.26409
11,598.5	3.25	33.61	11,561.0	414.9	-795.0	32.02265859	-103.26408
Wolfcamp	2.02	22.64	44 EGO E	445.0	705.0	22 02265979	102.26400
11,600.0	3.23	33.61	11,562.5	415.0	-795.0	32.02265878	-103.26408 -103.26407
11,700.0	1.73	33.61	11,662.4	418.6	-792.6 -791.6	32.02266861	
11,800.0	0.23 0.00	33.61 0.00	11,762.4	420.0	-791.6 -791.6	32.02267249	-103.26407
11,815.1		0.00	11,777.5	420.0	-/91.0	32.02267255	-103.26407
Start DLS 12.00 TF							
11,900.0	10.18	179.41	11,861.9	412.5	-791.5	32.02265187	-103.26407
12,000.0	22.18	179.41	11,957.8	384.7	-791.2	32.02257540	-103.26407
12,066.0	30.11	179.41	12,017.0	355.6	-790.9	32.02249551	-103.26407
Wolfcamp B	24.49	170 41	12.045.0	227 5	700.0	22 02244594	102.2640
12,100.0 12,200.0	34.18 46.18	179.41 179.41	12,045.8 12,122.0	337.5 273.1	-790.8 -790.1	32.02244581 32.02226878	-103.26407 -103.26407
12,200.0	40.16	179.41	12,122.0	2/3.1	-790.1	32.02220676	-103.20407
12,300.0	58.18	179.41	12,183.2	194.3	-789.3	32.02205204	-103.26407
12,400.0	70.18	179.41	12,226.7	104.4	-788.4	32.02180506	-103.26407
12,500.0	82.18	179.41	12,250.5	7.5	-787.4	32.02153863	-103.26407
12,503.0	82.54	179.41	12,250.9	4.5	-787.4	32.02153053	-103.26407
Lease Line Entry at 12,564.7	t 12503.0 MD 89.95	179.41	12,255.0	-57.0	-786.7	32.02136139	-103.26407
Start 38.2 hold at 1		179.41	12,233.0	-51.0	-700.7	32.02 130 139	-105.20407
		470.44	10.055.0	00.0	700.4	00.00400400	100.0010
12,600.0	89.95	179.41	12,255.0	-92.3	-786.4	32.02126432	-103.26407
12,602.9	89.95	179.41	12,255.0	-95.2	-786.3	32.02125640	-103.26407
Start 7515.6 hold at 12,700.0	12602.9 MD - 0 89.95	1-FTP (AZ127H) 179.41	12,255.1	-192.3	-785.3	32.02098945	-103.26407
12,800.0	89.95	179.41	12,255.2	-292.3	-784.3	32.02098943	-103.26407
12,900.0	89.95	179.41	12,255.3	-392.3	-783.3	32.02043973	-103.26407
13,000.0 13,100.0	89.95 89.95	179.41 179.41	12,255.4 12,255.5	-492.3 -592.3	-782.3 -781.2	32.02016486 32.01989000	-103.26407 -103.26407
13,200.0	89.95	179.41	12,255.6	-592.3 -692.3	-781.2 -780.2	32.01961513	-103.26407
13,300.0	89.95	179.41	12,255.6	-692.3 -792.3	-760.2 -779.2	32.01934027	-103.26407
13,400.0	89.95	179.41	12,255.7	-792.3 -892.3	-778.2 -778.2	32.01934027	-103.26407
13,500.0	89.95	179.41	12,255.8	-992.3	-777.2	32.01879054	-103.26407
13,600.0	89.95	179.41	12,255.9	-1,092.3	-776.1	32.01851567	-103.26407
13,700.0	89.95	179.41 179.41	12,256.0 12,256.1	-1,192.3 -1,292.2	-775.1 -774.1	32.01824081 32.01796594	-103.26407 -103.26407
13,800.0	89.95						



Company: Ameredev Operating
Project: Lea County, NM (N83-NME)

Site: Camelia_Azalea

Well: Azalea State Com 26-36-28 127H

Wellbore: 127H

Design: Baseline Plan #2 - 179.41

Local Co-ordinate Reference:

Well Azalea State Com 26-36-28 127H

 TVD Reference:
 GL 2912 + 27 KB @ 2939.0usft

 MD Reference:
 GL 2912 + 27 KB @ 2939.0usft

North Reference: Gri

Survey Calculation Method: Minimum Curvature

Database: AUS-COMPASS - EDM_15 - 32bit

				. = 0.1 / = : ::	. = =		
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude (°)	Longitude (°)
14,000.0	89.95	179.41	12,256.3	-1,492.2	-772.0	32.01741621	-103.26407
14,100.0	89.95	179.41	12,256.4	-1,592.2	-771.0	32.01714135	-103.26407
14,200.0	89.95	179.41	12,256.5	-1,692.2	-770.0	32.01686648	-103.2640
14,300.0	89.95	179.41	12,256.6	-1,792.2	-769.0	32.01659162	-103.2640
14,400.0	89.95	179.41	12,256.7	-1,892.2	-767.9	32.01631675	-103.26407
14,500.0	89.95	179.41	12,256.8	-1,992.2	-766.9	32.01604189	-103.2640
14,600.0	89.95	179.41	12,256.8	-2,092.2	-765.9	32.01576702	-103.2640
14,700.0	89.95	179.41	12,256.9	-2,192.2	-764.9	32.01549216	-103.2640
14,800.0	89.95	179.41	12,257.0	-2,292.2	-763.9	32.01521729	-103.2640
14,900.0	89.95	179.41	12,257.1	-2,392.2	-762.8	32.01494243	-103.2640
15,000.0	89.95	179.41	12,257.2	-2,492.2	-761.8	32.01466756	-103.2640
15,100.0	89.95	179.41	12,257.3	-2,592.2	-760.8	32.01439270	-103.2640
15,200.0	89.95	179.41	12,257.4	-2,692.2	-759.8	32.01411783	-103.2640
15,300.0	89.95	179.41	12,257.5	-2,792.2	-758.7	32.01384297	-103.2640
15,400.0	89.95	179.41	12,257.6	-2,892.2	-757.7	32.01356810	-103.2640
15,500.0	89.95	179.41	12,257.7	-2,992.2	-756.7	32.01329324	-103.2640
15,600.0	89.95	179.41	12,257.8	-3,092.2	-755.7	32.01301837	-103.2640
15,700.0	89.95	179.41	12,257.9	-3,192.1	-754.6	32.01274351	-103.2640
15,800.0	89.95	179.41	12,258.0	-3,292.1	-753.6	32.01246864	-103.2640
15,900.0	89.95	179.41	12,258.1	-3,392.1	-752.6	32.01219377	-103.2640
16,000.0	89.95	179.41	12,258.1	-3,492.1	-751.6	32.01191891	-103.2640
16,100.0	89.95	179.41	12,258.2	-3,592.1	-750.6	32.01164404	-103.2640
16,200.0	89.95	179.41	12,258.3	-3,692.1	-749.5	32.01136918	-103.2640
16,300.0	89.95	179.41	12,258.4	-3,792.1	-748.5	32.01109431	-103.2640
16,400.0	89.95	179.41	12,258.5	-3,892.1	-747.5	32.01081945	-103.2640
16,500.0	89.95	179.41	12,258.6	-3,992.1	-746.5	32.01054458	-103.2640
16,600.0	89.95	179.41	12,258.7	-4,092.1	-745.4	32.01026972	-103.2640
16,700.0	89.95	179.41	12,258.8	-4,192.1	-744.4	32.00999485	-103.2640
16,800.0	89.95	179.41	12,258.9	-4,292.1	-743.4	32.00971999	-103.2640
16,900.0	89.95	179.41	12,259.0	-4,392.1	-742.4	32.00944512	-103.2640
17,000.0	89.95	179.41	12,259.1	-4,492.1	-741.3	32.00917026	-103.2640
17,100.0	89.95	179.41	12,259.2	-4,592.1	-740.3	32.00889539	-103.2640
17,200.0	89.95	179.41	12,259.3	-4,692.1	-739.3	32.00862053	-103.2640
17,300.0	89.95	179.41	12,259.4	-4,792.1	-738.3	32.00834566	-103.2640
17,400.0	89.95	179.41	12,259.4	-4,892.1	-737.3	32.00807080	-103.2640
17,500.0	89.95	179.41	12,259.5	-4,992.1	-736.2	32.00779593	-103.2640
17,600.0	89.95	179.41	12,259.6	-5,092.0	-735.2	32.00752106	-103.2640
17,700.0	89.95	179.41	12,259.7	-5,192.0	-734.2	32.00724620	-103.2640
17,800.0	89.95	179.41	12,259.8	-5,292.0	-733.2	32.00697133	-103.2640
17,900.0	89.95	179.41	12,259.9	-5,392.0	-732.1	32.00669647	-103.2640
18,000.0	89.95	179.41	12,260.0	-5,492.0	-731.1	32.00642160	-103.2640
18,100.0	89.95	179.41	12,260.1	-5,592.0	-730.1	32.00614674	-103.2640
18,200.0	89.95	179.41	12,260.2	-5,692.0	-729.1	32.00587187	-103.2640
18,300.0	89.95	179.41	12,260.3	-5,792.0	-728.0	32.00559701	-103.2640
18,400.0	89.95	179.41	12,260.4	-5,892.0	-727.0	32.00532214	-103.2640



Company: Ameredev Operating
Project: Lea County, NM (N83-NME)

Site: Camelia_Azalea

Well: Azalea State Com 26-36-28 127H

Wellbore: 127H

Design: Baseline Plan #2 - 179.41

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method:

Database:

Well Azalea State Com 26-36-28 127H

GL 2912 + 27 KB @ 2939.0usft GL 2912 + 27 KB @ 2939.0usft

Grid

Minimum Curvature

ned Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude (°)	Longitude (°)
18,500.0	89.95	179.41	12,260.5	-5,992.0	-726.0	32.00504728	-103.26406
18,600.0	89.95	179.41	12,260.6	-6,092.0	-725.0	32.00477241	-103.26406
18,700.0	89.95	179.41	12,260.6	-6,192.0	-724.0	32.00449754	-103.26406
18,800.0	89.95	179.41	12,260.7	-6,292.0	-722.9	32.00422268	-103.26406
18,900.0	89.95	179.41	12,260.8	-6,392.0	-721.9	32.00394781	-103.26406
19,000.0	89.95	179.41	12,260.9	-6,492.0	-720.9	32.00367295	-103.26406
19,100.0	89.95	179.41	12,261.0	-6,592.0	-719.9	32.00339808	-103.26406
19,200.0	89.95	179.41	12,261.1	-6,692.0	-718.8	32.00312322	-103.26406
19,300.0	89.95	179.41	12,261.2	-6,792.0	-717.8	32.00284835	-103.26406
19,400.0	89.95	179.41	12,261.3	-6,892.0	-716.8	32.00257349	-103.26406
19,500.0	89.95	179.41	12,261.4	-6,991.9	-715.8	32.00229862	-103.26406
19,600.0	89.95	179.41	12,261.5	-7,091.9	-714.7	32.00202375	-103.26406
19,700.0	89.95	179.41	12,261.6	-7,191.9	-713.7	32.00174889	-103.26406
19,800.0	89.95	179.41	12,261.7	-7,291.9	-712.7	32.00147402	-103.26406
19,900.0	89.95	179.41	12,261.8	-7,391.9	-711.7	32.00119916	-103.26406
20,000.0	89.95	179.41	12,261.9	-7,491.9	-710.7	32.00092429	-103.26406
20,100.0	89.95	179.41	12,261.9	-7,591.9	-709.6	32.00064943	-103.26406
20,118.5	89.95	179.41	12,262.0	-7,610.4	-709.4	32.00059852	-103.26406
Start 50.1 hold at	20118.5 MD - 02-L	.TP (AZ127H)					
20,168.6	89.95	179.41	12,262.0	-7,660.5	-708.9	32.00046082	-103.26406
TD at 20168.6 - 03	B-BHL (AZ127H)						



Database:

Company: Ameredev Operating
Project: Lea County, NM (N83-NME)

Site: Camelia_Azalea

Well: Azalea State Com 26-36-28 127H

Wellbore: 127H

Design: Baseline Plan #2 - 179.41

Local Co-ordinate Reference:

Well Azalea State Com 26-36-28 127H

AUS-COMPASS - EDM_15 - 32bit

 TVD Reference:
 GL 2912 + 27 KB @ 2939.0usft

 MD Reference:
 GL 2912 + 27 KB @ 2939.0usft

North Reference: Grid

Survey Calculation Method: Minimum Curvature

Formations Measured Vertical Dip Depth Depth Direction Dip (usft) (usft) (°) Name Lithology 3,160.6 3,149.0 Tansill 3,758.0 Capitan 3,772.5 4,999.5 4,979.0 Lamar 10,807.6 10,774.0 Third Bone Spring Upper 2,187.8 2,181.0 Salado 7,041.1 7,013.0 Brushy Canyon 11,406.9 11,370.0 Third Bone Spring 11,598.5 11,561.0 Wolfcamp 1,723.0 Rustler 1,727.6 10,082.0 Second Bone Spring 10,111.8 9,508.0 First Bone Spring 9,536.1 5,174.3 5,153.0 Bell Canyon 7,984.1 7,956.0 Bone Spring Lime 12,066.0 12,017.0 Wolfcamp B

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coor +N/-S (usft)	dinates +E/-W (usft)	Comment
400.0	400.0	0.0	0.0	Start Build 1.00
964.6	963.6	23.1	15.4	Start 5487.2 hold at 964.6 MD
3,514.0	3,500.7	231.7	154.7	Lease Line Exit at 3514.0 MD
6,451.8	6,424.2	472.1	315.1	Start Drop -1.50
6,828.1	6,800.0	487.5	325.4	Start 2720.0 hold at 6828.1 MD
9,548.1	9,520.0	487.5	325.4	Start Build 1.50
9,947.9	9,919.1	504.9	337.0	Start 1467.4 hold at 9947.9 MD
11,415.3	11,378.4	632.6	421.8	Start Drop -1.50
11,815.1	11,777.5	650.0	433.4	Start DLS 12.00 TFO 179.41
12,503.0	12,250.9	234.5	437.7	Lease Line Entry at 12503.0 MD
12,564.7	12,255.0	173.0	438.3	Start 38.2 hold at 12564.7 MD
12,602.9	12,255.0	134.8	438.7	Start 7515.6 hold at 12602.9 MD
20,118.5	12,262.0	-7,380.4	515.6	Start 50.1 hold at 20118.5 MD
20,168.6	12,262.0	-7,430.5	516.1	TD at 20168.6

Checked By:	Approved By:	Date:
-		



Wellbore Schematic

Well: Azalea 26 36 28 State Com 127H
SHL: Sec. 28 26S-36E 230' FNL & 1225' FEL
BHL: Sec. 33 26S-36E 50' FSL & 785' FEL

Lea, NM

Wellhead: A - 13-5/8" 10M x 13-5/8" SOW

B - 13-5/8" 10M x 13-5/8" 10M C - 13-5/8" 10M x 13-5/8" 10M

Tubing Spool - 7-1/16" 15M x 13-3/8" 10M

Xmas Tree: 2-9/16" 10M

Tubing: 2-7/8" L-80 6.5# 8rd EUE

Co. Well ID: XXXXXX

AFE No.: XXXX-XXX

API No.: XXXXXXXXXXX

GL: 2,912'
Field: Delaware
Objective: Wolfcamp B
TVD: 12,262'

MD: 20,169' **KB** 27'

E-Mail: Wellsite2@ameredev.com

Hole Size	Formation Tops		Logs	Cement	Mud Weight
17.5"	Rustler	1,723'		1,505 Sacks TOC 0' 100% Excess	8.4-8.6 ppg WBM
<u> </u>	13.375" 68# J-55 BTC	1,848'			
	Salado	2,181'		800 Sacks TOC 0' 50% Excess	
	DV Tool with ACP Tansill	3,149' 3,149'		8 T 5	
12.25"	Capitan Reef	3,758'			lon
	Lamar	4,979'			nulsi
	Bell Canyon	5,153'			ne Er
	No Casing	5,104'			Bri
	Brushy Canyon	7,013'			7.5-9.4 Diesel Brine Emulsion
	Bone Spring Lime	7,956'			5-9.4
9.875"	First Bone Spring	9,508'			7.
	Second Bone Spring	10,082'		2,402 Sacks TOC 0' 50% Excess	
	Third Bone Spring Upper	10,774'			
	7.625" 29.7# L-80HC FJM	10,899'		2,402 S TOC 0' 50% Ex	
6.75"	Third Bone Spring	11,370'			
12° Build	Wolfcamp A	11,561'			OBM
@ 6,900' MD thru	Wolfcamp B	12,017'			6dd
12,565' MD	5.5" 23# P-110 USS-Eagle SFH et Wolfcamp B 12262 TVD // 20169 MD	20,169'		1,570 Sacks TOC 0' 25% Excess	10.5-12.5
				1, TC	<u> </u>

Casing Design and Safety Factor Check

Casing Specifications						
Segment Hole ID Depth OD Weight Grade Coupling						
Surface	17.5	1,848'	13.375	68	J-55	BTC
Intermediate	9.875	10,899'	7.625	29.7	HCL-80	FJM
Prod Segment A	6.75	6,900'	5.5	23	P-110	SFH
Prod Segment B	6.75	20,169'	5.5	23	P-110	SFH

	Check Surface Casing						
OD Cplg	Body	Body Joint Collapse Burst					
inches	1000 lbs	1000 lbs	psi	psi			
14.375	1,069	915	4,100	3,450			
	S	afety Facto	ors				
1.56	8.51	7.28	4.97	0.65			
	Check I	ntermedia	te Casing				
OD Cplg	Body	Joint	Collapse	Burst			
inches	1000 lbs	1000 lbs	psi	psi			
7.625	940	558	6700	9460			
	S	afety Facto	ors				
1.13	2.90	1.97	1.26	1.19			
	Check Pro	od Casing,	Segment A				
OD Cplg	Body	Body Joint Collapse Burst					
inches	1000 lbs	1000 lbs	psi	psi			
5.777	728	655	12780	14360			
	S	afety Facto	ors				
0.49	2.58	2.32	2.85	1.80			
	Check Prod Casing, Segment B						
OD Cplg	Body	Joint	Collapse	Burst			
inches	1000 lbs	1000 lbs	psi	psi			
5.777	728	655	12780	14360			
_	S	afety Facto	ors				
0.49 5.90 5.31 1.61 1.80							

State of New Mexico Energy, Minerals and Natural Resources

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: AMI	EREDEV OPEI	RATING, LLC	OGRID:	372224	Date	e: 3	3/22/2022
II. Type: 🗸 Original 🗌	Amendment d	lue to 19.15.27.9.	D(6)(a) NMAC	C 19.15.27.9.	D(6)(b) NMA	C Otho	er.
If Other, please describ	e:						
III. Well(s): Provide the to be recompleted from a	-		-		vells proposed	to be drille	ed or proposed
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipa Wat	ted Produced ter BBL/D
AZALEA STATE		A-28-26-S-36-E	230'FNL &	+/- 1500	+/- 7000		+/- 2500
COM 26 36 28 127H			1225'FEL				
-	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 Commencemen		ial Flow ck Date	First Production Date
AZALEA STATE		6/9/2022	7/10/2022	1/6/2023		0/2023	2/22/2023
COM 26 36 28 127H							
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

			/E APRIL 1, 2022		
Beginning April 1, 20 reporting area must c	•	-	with its statewide natural gas	captur	re requirement for the applicable
Operator certifies capture requirement f			tion because Operator is in c	omplia	ance with its statewide natural gas
IX. Anticipated Nat	ural Gas Production	n:			
We	ell	API	Anticipated Average Natural Rate MCF/D	l Gas	Anticipated Volume of Natural Gas for the First Year MCF
X. Natural Gas Gatl	hering System (NGC	GS):			
Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Avai	lable Maximum Daily Capacity of System Segment Tie-in
production operations of the segment or por XII. Line Capacity.	s to the existing or pl tion of the natural ga The natural gas gath	lanned interconnect of as gathering system(s)	to which the well(s) will be will not have capacity to	stem(s)	ted pipeline route(s) connecting the), and the maximum daily capacity eted. 100% of the anticipated natural
					o the same segment, or portion, of ine pressure caused by the new
Attach Operator's	s plan to manage pro	duction in response to	the increased line pressure.		
Section 2 as provided	l in Paragraph (2) of		5.27.9 NMAC, and attaches a		78 for the information provided in description of the specific

Section 3 - Certifications Effective May 25, 2021

<u>Effective May 25, 2021</u>					
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. <i>If Operator checks this box, Operator will select one of the following:</i>					
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:	البدار ال
Printed Name:	Dayeed Khan
Title:	Engineer
E-mail Address:	dkhan@ameredev.com
Date:	3/22/2022
Phone:	737-300-4735
	OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

Natural Gas Management Plan

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

- Separation equipment is sized to allow for retention time and velocity to adequately separate oil, gas, and water at anticipated peak rates.
- All central tank battery equipment is designed to efficiently capture the remaining gas from the liquid phase.
- Valves and meters are designed to service without flow interruption or venting of gas.

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

19.15.27.8 (A)

Ameredev's field operations are designed with the goal of minimizing flaring and preventing venting of natural gas. If capturing the gas is not possible then the gas is combusted/flared using properly sized flares or combustors in accordance with state air permit rules.

19.15.27.8 (B) Venting and Flaring during drilling operations

- A properly-sized flare stack will be located at a minimum 100' from the nearest surface hole location on the pad.
- All natural gas produced during drilling operations will be flared. Venting will only occur if there is an equipment malfunction and/or to avoid risk of an immediate and substantial adverse impact on safety, public health, or the environment.

19.15.27.8 (C) Venting and Flaring during completions or recompletions operations.

- During all phases of flowback, wells will flow through a sand separator, or other appropriate flowback separation equipment, and the well stream will be directed to a central tank battery (CTB) through properly sized flowlines
- The CTB will have properly sized separation equipment for maximum anticipated flowrates
- Multiple stages of separation will be used to separate gas from liquids. All gas will be routed to a sales outlet. Fluids will be routed to tanks equipped with a closed loop system that will recover any residual gas from the tanks and route such gas to a sales outlet.

19.15.27.8 (D) Venting and Flaring during production operations.

• During production, the well stream will be routed to the CTB where multiple stages of separation will separate gas from liquids. All gas will be routed to a sales outlet. Fluids will be routed to tanks with a closed

loop system that will recover any residual gas from the tanks and route such gas to a sales outlet, minimizing tank emissions.

- Flares are equipped with auto-ignition systems and continuous pilot operations.
- Automatic gauging equipment is installed on all tanks.

19.15.27.8 (E) Performance Standards

- Production equipment will be designed to handle maximum anticipated rates and pressure.
- Automatic gauging equipment is installed on all tanks to minimize venting
- All flared gas will be combusted in a flare stack that is properly sized and designed to ensure proper combustion.
- •Flares are equipped with continuous pilots and auto-ignitors along with remote monitoring of the pilot status
- Weekly AVOs and monthly LDAR inspections will be performed on all wells and facilities that produce more than 60 Mcfd.
- Gas/H2S detectors will be installed throughout the facilities and wellheads to detect leaks and enable timely repairs.

19.15.27.8 (F) Measurement or estimation of vented and flared natural gas

- All high pressure flared gas is measured by equipment conforming to API 14.10.
- No meter bypasses are installed.
- When metering is not practical due to low pressure/low rate, the vented or flared volume will be estimated through flare flow curves with the assistance of air emissions consultants, as necessary.

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

- Ameredev will use best management practices to vent as minimally as possible during well intervention operations and downhole well maintenance
- All natural gas is routed into the gas gathering system and directed to one of Ameredev's multiple gas sales outlets.
- All venting events will be recorded and all start-up, shutdown, maintenance logs will be kept for control equipment
- All control equipment will be maintained to provide highest run-time possible
- All procedures are drafted to keep venting and flaring to the absolute minimum