

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address AMEREDEV OPERATING, LLC 2901 VIA FORTUNA, SUITE 600 AUSTIN, TX 78746		² OGRID Number 372224
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30-025-49181	⁵ Pool Name Jal/Wolfcamp West	⁶ Pool Code 33813
⁷ Property Code 322647	⁸ Property Name NANDINA 25 36 31 FEDERAL COM	⁹ Well Number 127H

II. ¹⁰ Surface Location

UI or lot no. P	Section 31	Township 25-S	Range 36-E	Lot Idn -	Feet from the 200	North/South Line SOUTH	Feet from the 950	East/West Line EAST	County LEA
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¹¹ Bottom Hole Location

UI or lot no. A	Section 30	Township 25-S	Range 36-E	Lot Idn -	Feet from the 56	North/South Line NORTH	Feet from the 296	East/West Line EAST	County LEA
¹² Lse Code	¹³ Producing Method Code F	¹⁴ Gas Connection Date 9/2/2022	¹⁵ C-129 Permit Number N/A	¹⁶ C-129 Effective Date N/A	¹⁷ C-129 Expiration Date N/A				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
35103/34053	SUNOCO PARTNERS MARKETING & TERMINALS L.P. (35103) 1735 MARKET STREET, SUITE LL PHILADELPHIA, PA 19103 PLAINS MARKETING L.P. (34053) 333 CLAY ST, STE 1600 HOUSTON, TX 77002	O
330718	PINION MIDSTREAM LLC (330718) 465 W. NM HIGHWAY 128 JAL, NM 88252	G
372224	AMEREDEV OPERATING, LLC 2901 VIA FORTUNA, SUITE 600 AUSTIN, TX 78746	W

IV. Well Completion Data

²¹ Spud Date 10/7/2021	²² Ready Date 9/2/2022	²³ TD 22,187'	²⁴ PBDT 22,163'	²⁵ Perforations 11,938' - 22,101'	²⁶ DHC, MC N/A
²⁷ Hole Size	²⁸ Casing and Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375" J55 BTC	1,205'	801 / 302		
12.25"	10.75" HCL-80 BTC	5,095'	1145 / 925		
9.875"	7.625" HCL-80 BTC	11,171'	980 / 340		
6.75"	5.5" RYSP110 / HP110 2.875"	22,163' 11,296'	520 / 1105		

V. Well Test Data

³¹ Date New Oil 9/5/2022	³² Gas Delivery Date 9/5/2022	³³ Test Date 9/25/2022	³⁴ Test Length 24	³⁵ Tbg. Pressure 153	³⁶ Csg. Pressure 0
³⁷ Choke Size 64	³⁸ Oil 1231	³⁹ Water 5110	⁴⁰ Gas 1353		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Biff Yocham</i>			OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i> Title: <i>PETROLEUM SPECIALIST</i> Approval Date: <i>5/1/2024</i>		
Printed Name: Biff Yocham					
Title: Engineer					
E-mail Address: byocham@ameredev.com					
Date: 12/13/2022		Phone: 832-671-9665			

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 30-025-49181	² Pool Code 33813	³ Pool Name JAL/WOLFCAMP WEST
⁴ Property Code 322647	⁵ Property Name NANDINA 25 36 31 FEDERAL COM	⁶ Well Number 127H
⁷ OGRID No. 372224	⁸ Operator Name AMEREDEV OPERATING, LLC.	⁹ Elevation 3010'

¹⁰Surface Location

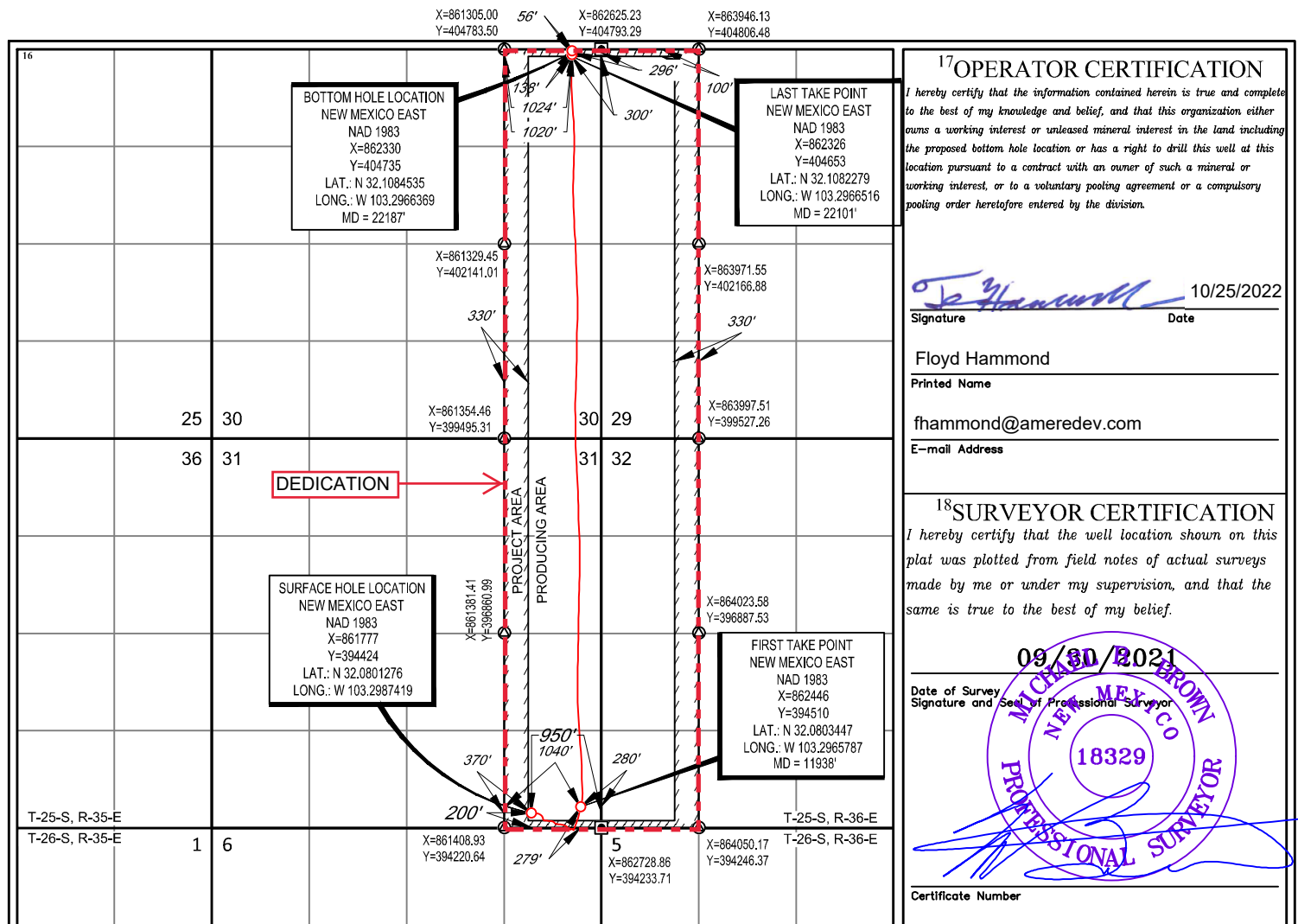
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	31	25-S	36-E	-	200'	SOUTH	950'	EAST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	30	25-S	36-E	-	56'	NORTH	296'	EAST	LEA

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code C	¹⁵ Order No.
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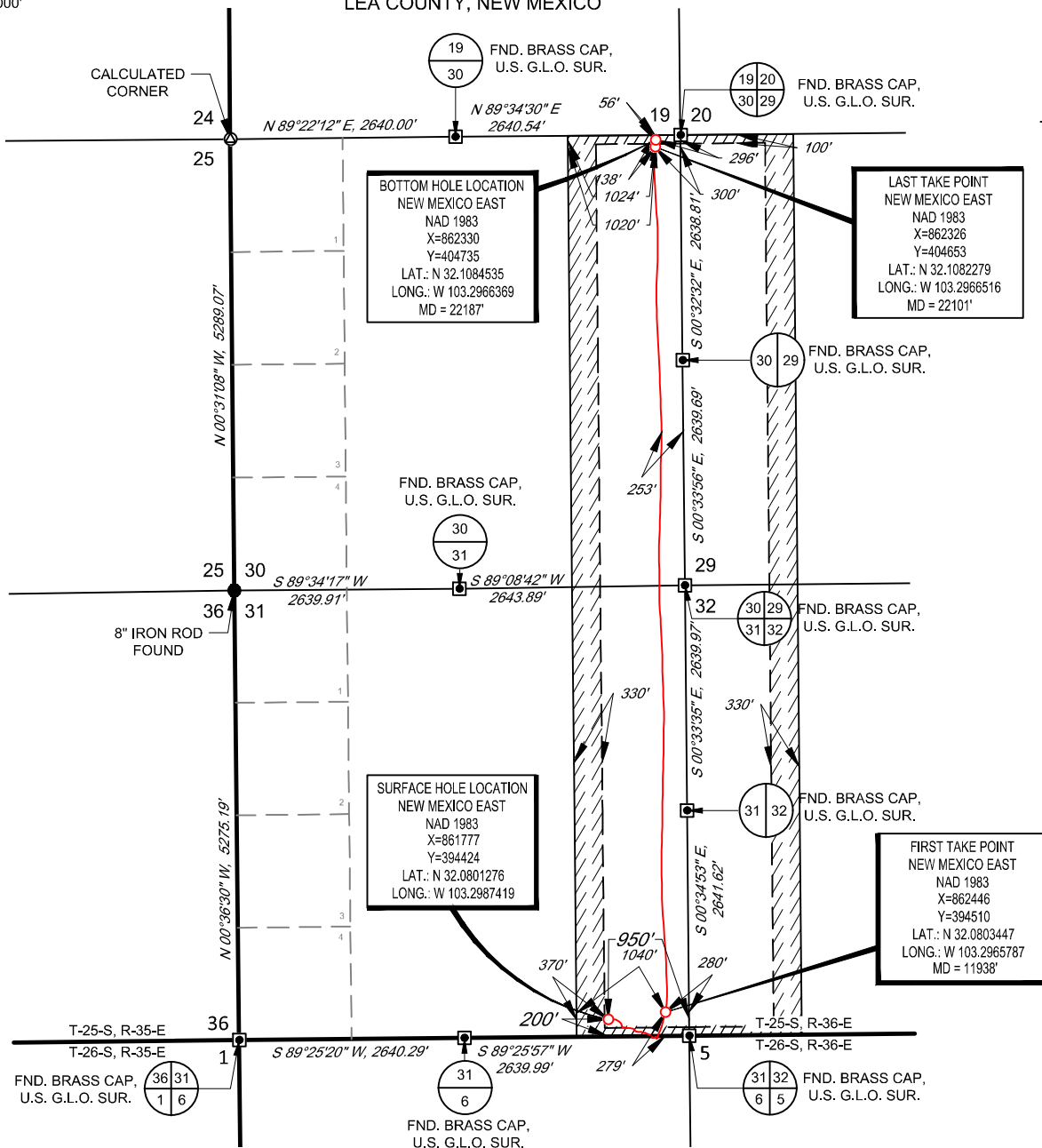
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SCALE: 1" = 2000'

0' 1000' 2000'

SECTION 31, TOWNSHIP 25-S, RANGE 36-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: NANDINA 25 36 31 FEDERAL COM 127H
 SECTION 31 TWP 25-S RGE 36-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3010'
 DESCRIPTION 200' FSL & 950' FEL

AMEREDEV
 AMEREDEV OPERATING, LLC

TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY
 1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
 TEXAS FIRM REGISTRATION NO. 10042504
 WWW.TOPOGRAPHIC.COM

MICHAEL B. BROWN
 NEW MEXICO
 18329
 PROFESSIONAL SURVEYOR
 Michael B. Brown, P.S. No. 18329
 October 18, 2022

REVISION:		NOTES:
NANDINA 25 36 31 127H		
AS-DRILLED		
DATE: 10/18/22		
FILE: AD_NANDINA_FED_COM_25_36_31_127H		
DRAWN BY: EAH		
SHEET: 2 OF 2		

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY AMEREDEV OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



American Resource Development LLC.

Ameredev Operating

Lea County, NM (N83-NME)

Nandina_GoldenBell

Nandina 25 36 31 Fed Com 127H

N127H

Plan: FINAL

Survey Report - Geographic

08 November, 2022



American Resource Development LLC.

Survey Report - Geographic

Company:	Ameredev Operating	Local Co-ordinate Reference:	Well Nandina Fed Com 25-36-31 127H
Project:	Lea County, NM (N83-NME)	TVD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Site:	Nandina_GoldenBell	MD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Well:	Nandina Fed Com 25-36-31 127H	North Reference:	Grid
Wellbore:	N127H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	AUS-COMPASS - EDM_15 - 32bit

Project	Lea County, NM (N83-NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Nandina_GoldenBell			
Site Position:		Northing:	394,432.00 usft	Latitude:	32.0802090
From:	Map	Easting:	859,493.00 usft	Longitude:	-103.3061147
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.55 °

Well	Nandina Fed Com 25-36-31 127H					
Well Position	+N/-S	0.0 usft	Northing:	394,424.21 usft	Latitude:	32.0801276
	+E/-W	0.0 usft	Easting:	861,776.89 usft	Longitude:	-103.2987420
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,010.0 usft

Wellbore	N127H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	9/30/2021	6.37	59.80	47,408.20032202

Design	FINAL				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	3.07	

Survey Tool Program	Date	11/8/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	22,187.0	FINAL (N127H)	MWD	OWSG MWD - Standard	

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	394,424.21	861,776.89	32.0801276	-103.2987420
7Deg(NAN-127H) (copy) - 25-36-30 (copy) (copy) (copy) (copy) (copy) - 25-36-31 (copy) (copy) (copy) (copy) - 5Deg(NAN-127H)									
73.0	0.10	97.00	73.0	0.0	0.1	394,424.21	861,776.96	32.0801276	-103.2987418
158.0	0.40	260.00	158.0	-0.1	-0.2	394,424.15	861,776.74	32.0801274	-103.2987425
254.0	0.70	253.00	254.0	-0.3	-1.0	394,423.92	861,775.85	32.0801268	-103.2987454
380.0	0.70	256.00	380.0	-0.7	-2.5	394,423.50	861,774.36	32.0801257	-103.2987502
475.0	0.70	256.00	475.0	-1.0	-3.7	394,423.22	861,773.24	32.0801250	-103.2987538
522.0	0.70	264.00	522.0	-1.1	-4.2	394,423.12	861,772.67	32.0801247	-103.2987556
570.0	1.30	265.00	570.0	-1.2	-5.1	394,423.05	861,771.84	32.0801245	-103.2987583
711.0	1.20	264.00	710.9	-1.5	-8.1	394,422.75	861,768.78	32.0801238	-103.2987682
806.0	1.30	249.00	805.9	-2.0	-10.1	394,422.26	861,766.78	32.0801225	-103.2987747
869.0	1.30	262.00	868.9	-2.3	-11.5	394,421.91	861,765.41	32.0801216	-103.2987791



American Resource Development LLC.

Survey Report - Geographic

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Project:	Lea County, NM (N83-NME)	TVD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Site:	Nandina_GoldenBell	MD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Well:	Nandina Fed Com 25-36-31 127H	North Reference:	Grid
Wellbore:	N127H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	AUS-COMPASS - EDM_15 - 32bit

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
948.0	1.20	244.00	947.9	-2.8	-13.1	394,421.42	861,763.78	32.0801203	-103.2987844
1,042.0	1.10	253.00	1,041.9	-3.5	-14.9	394,420.72	861,762.03	32.0801184	-103.2987901
1,152.0	1.10	253.00	1,151.8	-4.1	-16.9	394,420.11	861,760.01	32.0801168	-103.2987966
1,178.0	1.10	257.00	1,177.8	-4.2	-17.4	394,419.98	861,759.53	32.0801164	-103.2987982
1,394.0	0.97	98.31	1,393.8	-5.0	-17.6	394,419.25	861,759.32	32.0801144	-103.2987989
1,488.0	1.23	96.81	1,487.8	-5.2	-15.8	394,419.01	861,761.11	32.0801137	-103.2987931
1,582.0	1.14	99.63	1,581.8	-5.5	-13.9	394,418.74	861,763.03	32.0801129	-103.2987869
1,676.0	0.79	90.49	1,675.8	-5.6	-12.3	394,418.57	861,764.60	32.0801124	-103.2987819
1,770.0	0.48	90.75	1,769.8	-5.7	-11.3	394,418.56	861,765.64	32.0801124	-103.2987785
1,864.0	0.35	69.66	1,863.8	-5.6	-10.6	394,418.66	861,766.30	32.0801126	-103.2987763
1,958.0	0.40	61.39	1,957.8	-5.3	-10.0	394,418.92	861,766.86	32.0801133	-103.2987745
2,052.0	1.10	72.12	2,051.8	-4.9	-8.9	394,419.35	861,768.01	32.0801145	-103.2987708
2,147.0	1.80	75.28	2,146.7	-4.2	-6.6	394,420.01	861,770.32	32.0801162	-103.2987633
2,241.0	2.81	80.55	2,240.6	-3.5	-2.9	394,420.76	861,774.02	32.0801182	-103.2987514
2,334.0	3.16	81.52	2,333.5	-2.7	1.9	394,421.51	861,778.80	32.0801202	-103.2987359
2,428.0	3.65	80.64	2,427.3	-1.8	7.4	394,422.38	861,784.32	32.0801224	-103.2987181
2,523.0	5.32	81.70	2,522.1	-0.7	14.8	394,423.51	861,791.66	32.0801253	-103.2986943
2,617.0	6.73	84.60	2,615.5	0.4	24.6	394,424.66	861,801.46	32.0801282	-103.2986627
2,710.0	7.38	85.92	2,707.8	1.4	35.9	394,425.60	861,812.84	32.0801305	-103.2986259
2,804.0	8.62	85.39	2,800.9	2.4	49.0	394,426.59	861,825.88	32.0801329	-103.2985838
2,898.0	8.92	93.12	2,893.8	2.5	63.3	394,426.76	861,840.18	32.0801330	-103.2985376
2,992.0	9.05	100.77	2,986.7	0.8	77.8	394,424.98	861,854.72	32.0801277	-103.2984907
3,086.0	8.66	111.14	3,079.6	-3.2	91.7	394,421.05	861,868.59	32.0801165	-103.2984461
3,180.0	8.97	111.67	3,172.4	-8.4	105.1	394,415.79	861,882.00	32.0801017	-103.2984030
3,274.0	9.76	119.75	3,265.2	-15.1	118.8	394,409.13	861,895.73	32.0800830	-103.2983588
3,367.0	9.93	127.58	3,356.8	-23.9	132.0	394,400.33	861,908.93	32.0800585	-103.2983165
3,461.0	8.79	139.79	3,449.6	-34.3	143.1	394,389.90	861,919.99	32.0800295	-103.2982811
3,554.0	6.95	153.42	3,541.7	-44.8	150.2	394,379.44	861,927.09	32.0800006	-103.2982585
3,648.0	6.46	160.36	3,635.1	-54.8	154.5	394,369.37	861,931.42	32.0799728	-103.2982449
3,742.0	6.02	165.46	3,728.5	-64.6	157.5	394,359.62	861,934.43	32.0799459	-103.2982354
3,837.0	4.97	159.92	3,823.1	-73.3	160.2	394,350.93	861,937.09	32.0799220	-103.2982271
3,930.0	3.21	168.09	3,915.8	-79.6	162.1	394,344.60	861,939.01	32.0799045	-103.2982211
4,024.0	3.91	155.61	4,009.7	-85.1	164.0	394,339.11	861,940.88	32.0798894	-103.2982152
4,118.0	4.18	137.51	4,103.4	-90.6	167.6	394,333.66	861,944.52	32.0798743	-103.2982037
4,211.0	3.91	115.89	4,196.2	-94.4	172.8	394,329.78	861,949.66	32.0798635	-103.2981872
4,305.0	4.31	105.87	4,290.0	-96.8	179.0	394,327.41	861,955.94	32.0798568	-103.2981670
4,398.0	4.92	96.55	4,382.7	-98.2	186.4	394,326.00	861,963.27	32.0798528	-103.2981434
4,492.0	5.89	91.10	4,476.2	-98.8	195.2	394,325.45	861,972.09	32.0798510	-103.2981149
4,585.0	6.46	91.98	4,568.7	-99.0	205.2	394,325.18	861,982.09	32.0798500	-103.2980826
4,679.0	6.51	94.18	4,662.1	-99.6	215.8	394,324.61	861,992.69	32.0798482	-103.2980484
4,773.0	6.68	93.91	4,755.5	-100.4	226.6	394,323.84	862,003.46	32.0798458	-103.2980137
4,867.0	7.12	93.83	4,848.8	-101.1	237.8	394,323.08	862,014.73	32.0798434	-103.2979773
4,960.0	7.69	93.21	4,941.0	-101.9	249.8	394,322.35	862,026.69	32.0798411	-103.2979387
5,029.0	8.26	92.42	5,009.4	-102.3	259.4	394,321.88	862,036.25	32.0798395	-103.2979079
5,148.0	7.47	99.98	5,127.2	-104.0	275.5	394,320.18	862,052.41	32.0798344	-103.2978558
5,242.0	7.03	104.37	5,220.5	-106.5	287.1	394,317.69	862,064.00	32.0798273	-103.2978184
5,336.0	5.49	128.10	5,313.9	-110.7	296.2	394,313.49	862,073.12	32.0798155	-103.2977892
5,430.0	4.70	138.74	5,407.6	-116.4	302.3	394,307.82	862,079.19	32.0797997	-103.2977697
5,524.0	4.66	135.40	5,501.3	-122.0	307.5	394,302.21	862,084.41	32.0797842	-103.2977530
5,617.0	4.44	139.27	5,594.0	-127.4	312.5	394,296.79	862,089.42	32.0797692	-103.2977371
5,711.0	4.13	136.10	5,687.7	-132.6	317.2	394,291.59	862,094.14	32.0797547	-103.2977220
5,805.0	4.04	121.51	5,781.5	-136.8	322.4	394,287.42	862,099.31	32.0797431	-103.2977054
5,899.0	4.31	115.62	5,875.2	-140.0	328.4	394,284.16	862,105.32	32.0797340	-103.2976861
5,993.0	4.79	101.56	5,968.9	-142.4	335.5	394,281.85	862,112.35	32.0797275	-103.2976635
6,086.0	4.62	99.89	6,061.6	-143.8	342.9	394,280.43	862,119.84	32.0797234	-103.2976393



American Resource Development LLC.

Survey Report - Geographic

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Project:	Lea County, NM (N83-NME)	TVD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Site:	Nandina_GoldenBell	MD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Well:	Nandina Fed Com 25-36-31 127H	North Reference:	Grid
Wellbore:	N127H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	AUS-COMPASS - EDM_15 - 32bit

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,180.0	4.66	98.31	6,155.3	-145.0	350.5	394,279.23	862,127.35	32.0797199	-103.2976151
6,274.0	5.49	94.71	6,248.9	-145.9	358.7	394,278.31	862,135.61	32.0797171	-103.2975885
6,368.0	5.36	95.14	6,342.5	-146.7	367.6	394,277.54	862,144.46	32.0797148	-103.2975599
6,462.0	5.36	95.32	6,436.1	-147.5	376.3	394,276.74	862,153.21	32.0797124	-103.2975317
6,556.0	5.19	91.37	6,529.7	-148.0	384.9	394,276.23	862,161.83	32.0797107	-103.2975039
6,649.0	5.14	91.72	6,622.3	-148.2	393.3	394,276.01	862,170.20	32.0797099	-103.2974769
6,743.0	5.63	100.86	6,715.9	-149.2	402.0	394,275.01	862,178.93	32.0797069	-103.2974487
6,836.0	5.85	104.90	6,808.4	-151.3	411.1	394,272.94	862,187.99	32.0797010	-103.2974196
6,930.0	5.58	103.41	6,902.0	-153.6	420.2	394,270.64	862,197.07	32.0796945	-103.2973903
7,024.0	5.19	102.70	6,995.6	-155.6	428.8	394,268.65	862,205.66	32.0796887	-103.2973627
7,117.0	5.14	108.77	7,088.2	-157.8	436.8	394,266.38	862,213.71	32.0796823	-103.2973367
7,211.0	4.75	115.18	7,181.8	-160.8	444.3	394,263.37	862,221.22	32.0796738	-103.2973126
7,305.0	4.53	114.83	7,275.5	-164.1	451.2	394,260.16	862,228.11	32.0796648	-103.2972905
7,399.0	4.18	114.39	7,369.3	-167.0	457.7	394,257.19	862,234.60	32.0796565	-103.2972696
7,493.0	3.87	115.71	7,463.0	-169.8	463.7	394,254.39	862,240.58	32.0796486	-103.2972504
7,587.0	3.56	118.17	7,556.8	-172.6	469.1	394,251.64	862,246.01	32.0796409	-103.2972329
7,681.0	3.30	118.61	7,650.7	-175.2	474.1	394,248.97	862,250.96	32.0796334	-103.2972170
7,775.0	2.95	117.64	7,744.5	-177.7	478.6	394,246.55	862,255.47	32.0796267	-103.2972025
7,869.0	2.95	120.63	7,838.4	-180.0	482.8	394,244.19	862,259.70	32.0796201	-103.2971890
7,963.0	2.90	121.95	7,932.3	-182.5	486.9	394,241.70	862,263.80	32.0796131	-103.2971758
8,057.0	3.08	122.92	8,026.1	-185.1	491.0	394,239.07	862,267.94	32.0796058	-103.2971625
8,151.0	3.08	122.39	8,120.0	-187.9	495.3	394,236.35	862,272.19	32.0795982	-103.2971489
8,245.0	2.95	124.24	8,213.9	-190.6	499.4	394,233.63	862,276.32	32.0795906	-103.2971356
8,251.0	2.92	124.32	8,219.8	-190.8	499.7	394,233.46	862,276.57	32.0795902	-103.2971348
NMNMA119762 Exit at 8251.0 MD									
8,339.0	2.55	125.73	8,307.8	-193.2	503.1	394,231.05	862,280.02	32.0795834	-103.2971238
8,433.0	2.15	129.07	8,401.7	-195.5	506.2	394,228.72	862,283.08	32.0795770	-103.2971140
8,527.0	2.24	136.89	8,495.6	-197.9	508.8	394,226.27	862,285.71	32.0795701	-103.2971056
8,620.0	2.11	138.30	8,588.5	-200.6	511.2	394,223.66	862,288.09	32.0795629	-103.2970980
8,715.0	1.67	134.34	8,683.5	-202.8	513.3	394,221.39	862,290.24	32.0795566	-103.2970911
8,808.0	1.63	132.41	8,776.5	-204.7	515.3	394,219.55	862,292.19	32.0795515	-103.2970849
8,902.0	1.71	133.29	8,870.4	-206.5	517.3	394,217.69	862,294.20	32.0795463	-103.2970784
8,996.0	1.67	135.22	8,964.4	-208.5	519.3	394,215.75	862,296.18	32.0795410	-103.2970721
9,090.0	2.11	138.91	9,058.3	-210.7	521.4	394,213.48	862,298.28	32.0795347	-103.2970654
9,184.0	2.37	136.80	9,152.3	-213.5	523.9	394,210.76	862,300.75	32.0795271	-103.2970575
9,278.0	2.20	128.46	9,246.2	-216.0	526.6	394,208.22	862,303.49	32.0795201	-103.2970487
9,371.0	1.93	109.56	9,339.1	-217.6	529.5	394,206.58	862,306.37	32.0795155	-103.2970395
9,465.0	1.89	94.62	9,433.1	-218.3	532.5	394,205.93	862,309.40	32.0795136	-103.2970297
9,559.0	1.80	77.22	9,527.0	-218.1	535.5	394,206.13	862,312.39	32.0795141	-103.2970201
9,653.0	1.89	75.11	9,621.0	-217.4	538.4	394,206.85	862,315.33	32.0795160	-103.2970106
9,746.0	1.58	68.51	9,713.9	-216.5	541.1	394,207.72	862,318.00	32.0795183	-103.2970019
9,839.0	1.98	41.62	9,806.9	-214.8	543.4	394,209.39	862,320.26	32.0795228	-103.2969945
9,933.0	2.55	38.98	9,900.8	-212.0	545.8	394,212.23	862,322.66	32.0795306	-103.2969867
10,026.0	2.73	61.31	9,993.7	-209.3	549.0	394,214.90	862,325.90	32.0795378	-103.2969762
10,120.0	3.34	80.64	10,087.6	-207.8	553.7	394,216.42	862,330.57	32.0795419	-103.2969611
10,214.0	3.74	96.02	10,181.4	-207.7	559.4	394,216.54	862,336.32	32.0795421	-103.2969425
10,307.0	2.55	95.76	10,274.3	-208.2	564.5	394,216.02	862,341.39	32.0795405	-103.2969261
10,401.0	1.76	116.94	10,368.2	-209.1	567.9	394,215.15	862,344.76	32.0795380	-103.2969153
10,495.0	2.02	135.31	10,462.2	-210.9	570.3	394,213.32	862,347.21	32.0795329	-103.2969074
10,589.0	1.71	184.35	10,556.1	-213.5	571.4	394,210.75	862,348.27	32.0795258	-103.2969041
10,683.0	3.08	229.71	10,650.0	-216.5	569.3	394,207.71	862,346.24	32.0795175	-103.2969107
10,775.0	1.05	215.73	10,742.0	-218.8	567.0	394,205.43	862,343.86	32.0795113	-103.2969185
10,868.0	1.19	130.92	10,835.0	-220.1	567.2	394,204.11	862,344.09	32.0795077	-103.2969178
10,961.0	1.36	152.80	10,927.9	-221.7	568.4	394,202.49	862,345.33	32.0795032	-103.2969138
11,056.0	0.97	138.91	11,022.9	-223.3	569.5	394,200.88	862,346.37	32.0794988	-103.2969105



American Resource Development LLC.

Survey Report - Geographic

Company:	Ameredev Operating	Local Co-ordinate Reference:	Well Nandina Fed Com 25-36-31 127H
Project:	Lea County, NM (N83-NME)	TVD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Site:	Nandina_GoldenBell	MD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Well:	Nandina Fed Com 25-36-31 127H	North Reference:	Grid
Wellbore:	N127H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	AUS-COMPASS - EDM_15 - 32bit

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,120.0	1.14	136.80	11,086.9	-224.2	570.3	394,200.01	862,347.16	32.0794964	-103.2969080
11,222.0	1.10	174.05	11,188.9	-225.9	571.1	394,198.30	862,347.96	32.0794916	-103.2969055
11,272.0	1.05	171.94	11,238.9	-226.8	571.2	394,197.37	862,348.07	32.0794891	-103.2969051
11,312.7	2.61	43.80	11,279.6	-226.5	571.9	394,197.67	862,348.76	32.0794899	-103.2969029
00-Original KOP(NAN-127H)									
11,366.0	6.95	34.83	11,332.7	-223.0	574.6	394,201.19	862,351.45	32.0794995	-103.2968941
KOP @ 11366									
11,413.0	12.26	14.44	11,379.0	-215.9	577.4	394,208.36	862,354.32	32.0795191	-103.2968846
11,461.0	18.24	17.87	11,425.3	-203.8	581.0	394,220.46	862,357.90	32.0795523	-103.2968727
11,505.0	20.87	19.29	11,466.7	-189.8	585.7	394,234.41	862,362.60	32.0795905	-103.2968571
NMNMA119762 Entry at 11505.0 MD									
11,557.0	24.00	20.59	11,514.8	-171.2	592.5	394,253.06	862,369.38	32.0796416	-103.2968346
11,589.0	26.95	22.88	11,543.7	-158.4	597.6	394,265.84	862,374.49	32.0796766	-103.2968177
11,620.0	31.38	24.28	11,570.8	-144.5	603.7	394,279.67	862,380.54	32.0797144	-103.2967978
11,652.0	34.86	23.67	11,597.6	-128.6	610.8	394,295.65	862,387.64	32.0797581	-103.2967743
11,713.0	42.01	18.27	11,645.3	-93.2	624.2	394,331.06	862,401.06	32.0798551	-103.2967299
Nandina 127H Unit Hardlines Entry at 11713.0 MD									
11,716.0	42.37	18.04	11,647.5	-91.2	624.8	394,332.97	862,401.69	32.0798604	-103.2967278
11,748.0	45.49	15.58	11,670.6	-70.0	631.2	394,354.22	862,408.10	32.0799186	-103.2967065
11,834.1	56.09	13.57	11,724.9	-5.5	647.9	394,418.72	862,424.77	32.0800954	-103.2966507
01-FTP-280FEL(NAN127H) - 01-Nandina-127H-FTP (copy) - 01-FTP(NAN-127H) (copy)									
11,843.0	57.19	13.39	11,729.8	1.7	649.6	394,425.94	862,426.50	32.0801152	-103.2966449
11,894.4	64.73	13.44	11,754.8	45.4	660.0	394,469.66	862,436.93	32.0802351	-103.2966098
NAN 127 Target 00 (copy) - 02-T02-0VS(NAN127H)									
11,897.6	65.18	13.44	11,756.1	48.2	660.7	394,472.40	862,437.59	32.0802426	-103.2966076
02-T02(NAN-127H) (copy)									
11,939.0	71.25	13.47	11,771.5	85.6	669.6	394,509.81	862,446.54	32.0803452	-103.2965776
12,034.0	86.68	8.46	11,789.6	176.9	687.2	394,601.07	862,464.11	32.0805956	-103.2965180
12,061.4	87.68	5.80	11,791.0	204.0	690.6	394,628.20	862,467.50	32.0806701	-103.2965062
NAN 127 EOC (copy)									
12,063.4	87.75	5.60	11,791.0	206.0	690.8	394,630.25	862,467.70	32.0806757	-103.2965055
NAN 127 EOC 1									
12,130.0	90.20	359.15	11,792.2	272.5	693.6	394,696.70	862,470.46	32.0808582	-103.2964946
12,225.0	86.11	356.78	11,795.3	367.3	690.2	394,791.56	862,467.09	32.0811191	-103.2965025
12,320.0	88.44	358.18	11,799.8	462.1	686.0	394,886.35	862,462.92	32.0813797	-103.2965130
EOC @ 12320									
12,416.0	94.81	359.32	11,797.1	558.0	683.9	394,982.24	862,460.83	32.0816433	-103.2965168
12,511.0	97.49	358.71	11,786.9	652.5	682.3	395,076.67	862,459.20	32.0819029	-103.2965191
12,607.0	93.76	356.25	11,777.5	747.9	678.1	395,172.09	862,455.00	32.0821653	-103.2965297
12,701.0	90.55	354.75	11,774.0	841.5	670.7	395,265.72	862,447.63	32.0824228	-103.2965506
12,715.8	90.32	355.01	11,773.9	856.3	669.4	395,280.49	862,446.31	32.0824634	-103.2965544
NAN 127 Waypoint 1									
12,796.0	89.10	356.42	11,774.3	936.2	663.4	395,360.43	862,440.32	32.0826833	-103.2965713
12,854.1	88.68	355.94	11,775.4	994.2	659.6	395,418.38	862,436.45	32.0828427	-103.2965820
NAN 127 Target 01 (copy)									
12,861.1	88.63	355.88	11,775.6	1,001.2	659.1	395,425.41	862,435.95	32.0828620	-103.2965834
03-T03(NAN-127H) (copy)									
12,867.0	88.58	355.84	11,775.7	1,007.0	658.6	395,431.23	862,435.52	32.0828780	-103.2965845
03-T03-1000VS(NAN127H)									
12,892.0	88.40	355.63	11,776.4	1,032.0	656.8	395,456.18	862,433.66	32.0829467	-103.2965898
12,987.0	87.08	356.34	11,780.1	1,126.7	650.1	395,550.87	862,427.02	32.0832071	-103.2966083
13,082.0	88.40	356.34	11,783.8	1,221.4	644.1	395,645.60	862,420.96	32.0834676	-103.2966249
13,177.0	89.36	356.60	11,785.7	1,316.2	638.2	395,740.40	862,415.11	32.0837283	-103.2966409



American Resource Development LLC.

Survey Report - Geographic

Company:	Ameredev Operating	Local Co-ordinate Reference:	Well Nandina Fed Com 25-36-31 127H
Project:	Lea County, NM (N83-NME)	TVD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Site:	Nandina_GoldenBell	MD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Well:	Nandina Fed Com 25-36-31 127H	North Reference:	Grid
Wellbore:	N127H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	AUS-COMPASS - EDM_15 - 32bit

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,272.0	90.55	356.95	11,785.8	1,411.0	632.9	395,835.25	862,409.76	32.0839892	-103.2966552
13,367.0	89.89	359.76	11,785.4	1,506.0	630.1	395,930.20	862,407.04	32.0842502	-103.2966610
13,462.0	91.87	359.94	11,784.0	1,601.0	629.9	396,025.18	862,406.79	32.0845113	-103.2966589
13,557.0	90.73	359.24	11,781.8	1,695.9	629.2	396,120.15	862,406.11	32.0847723	-103.2966581
13,645.0	86.89	358.34	11,783.6	1,783.9	627.4	396,208.13	862,404.25	32.0850142	-103.2966614
NAN 127 Waypoint 2									
13,652.0	86.59	358.27	11,784.0	1,790.9	627.2	396,215.08	862,404.05	32.0850333	-103.2966618
13,747.0	85.85	0.64	11,790.3	1,885.6	626.3	396,309.86	862,403.14	32.0852938	-103.2966618
13,842.0	88.57	2.40	11,794.9	1,980.5	628.8	396,404.70	862,405.66	32.0855544	-103.2966507
13,864.7	87.91	1.96	11,795.6	2,003.2	629.6	396,427.37	862,406.52	32.0856167	-103.2966473
NAN 127 Target 02 (copy)									
13,869.6	87.76	1.86	11,795.8	2,008.1	629.8	396,432.28	862,406.69	32.0856302	-103.2966466
04-T04-2000VS(NAN127H)									
13,869.8	87.76	1.86	11,795.8	2,008.3	629.8	396,432.51	862,406.70	32.0856308	-103.2966465
04-T04(NAN-127H) (copy)									
13,937.0	85.80	0.55	11,799.6	2,075.3	631.2	396,499.55	862,408.11	32.0858151	-103.2966399
14,032.0	86.46	1.17	11,806.0	2,170.1	632.6	396,594.32	862,409.53	32.0860755	-103.2966324
14,127.0	89.98	1.43	11,808.9	2,265.0	634.8	396,689.23	862,411.68	32.0863363	-103.2966225
14,222.0	92.26	1.08	11,807.1	2,360.0	636.9	396,784.18	862,413.76	32.0865972	-103.2966128
14,315.0	92.47	0.40	11,803.2	2,452.9	638.1	396,877.07	862,414.96	32.0868525	-103.2966061
NMNMA119762 Exit at 14315.0 MD									
14,318.0	92.48	0.38	11,803.1	2,455.9	638.1	396,880.09	862,414.99	32.0868608	-103.2966059
14,413.0	92.26	0.91	11,799.2	2,550.8	639.2	396,975.01	862,416.05	32.0871217	-103.2965995
14,509.0	92.75	0.73	11,795.0	2,646.7	640.5	397,070.90	862,417.43	32.0873852	-103.2965921
14,604.0	91.52	1.26	11,791.4	2,741.6	642.2	397,165.82	862,419.08	32.0876460	-103.2965838
14,700.0	89.71	0.47	11,790.4	2,837.6	643.6	397,261.80	862,420.52	32.0879098	-103.2965762
14,795.0	88.79	1.43	11,791.7	2,932.6	645.2	397,356.78	862,422.10	32.0881708	-103.2965681
14,836.3	88.90	1.66	11,792.5	2,973.8	646.3	397,398.01	862,423.21	32.0882841	-103.2965633
NAN 127 Waypoint 3									
14,864.3	88.98	1.81	11,793.0	3,001.8	647.2	397,425.99	862,424.06	32.0883610	-103.2965597
NAN 127 Target 03 (copy)									
14,868.8	88.99	1.84	11,793.1	3,006.3	647.3	397,430.52	862,424.20	32.0883734	-103.2965591
05-T05-3000VS(NAN127H)									
14,871.7	89.00	1.85	11,793.1	3,009.2	647.4	397,433.39	862,424.29	32.0883813	-103.2965587
05-T05(NAN-127H) (copy)									
14,891.0	89.05	1.96	11,793.5	3,028.5	648.0	397,452.72	862,424.94	32.0884344	-103.2965560
14,986.0	88.09	2.40	11,795.8	3,123.4	651.7	397,547.62	862,428.55	32.0886952	-103.2965414
15,081.0	85.71	0.29	11,801.0	3,218.2	653.9	397,642.44	862,430.78	32.0889557	-103.2965312
15,176.0	86.77	359.68	11,807.2	3,313.0	653.9	397,737.23	862,430.75	32.0892163	-103.2965284
15,271.0	86.42	0.55	11,812.9	3,407.9	654.1	397,832.07	862,430.94	32.0894769	-103.2965248
15,367.0	87.34	1.52	11,818.1	3,503.7	655.8	397,927.91	862,432.68	32.0897403	-103.2965163
15,462.0	89.36	359.59	11,820.8	3,598.6	656.7	398,022.85	862,433.59	32.0900012	-103.2965103
15,558.0	91.21	357.21	11,820.3	3,694.6	654.0	398,118.80	862,430.91	32.0902650	-103.2965160
15,654.0	88.22	356.69	11,820.8	3,790.4	648.9	398,214.65	862,425.81	32.0905286	-103.2965295
15,750.0	89.76	358.36	11,822.5	3,886.3	644.8	398,310.54	862,421.66	32.0907922	-103.2965399
15,829.6	89.03	358.29	11,823.3	3,965.9	642.4	398,390.10	862,419.33	32.0910110	-103.2965450
NAN 127 Waypoint 4									
15,846.0	88.88	358.27	11,823.6	3,982.3	641.9	398,406.49	862,418.84	32.0910560	-103.2965461
15,859.6	88.70	358.28	11,823.9	3,995.9	641.5	398,420.09	862,418.43	32.0910934	-103.2965470
NAN 127 Target 04 (copy)									
15,867.1	88.61	358.29	11,824.1	4,003.4	641.3	398,427.63	862,418.21	32.0911141	-103.2965475
06-T06(NAN-127H) (copy)									



American Resource Development LLC.

Survey Report - Geographic

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Project:	Lea County, NM (N83-NME)	TVD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Site:	Nandina_GoldenBell	MD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Well:	Nandina Fed Com 25-36-31 127H	North Reference:	Grid
Wellbore:	N127H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	AUS-COMPASS - EDM_15 - 32bit

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,870.1	88.57	358.29	11,824.2	4,006.4	641.2	398,430.62	862,418.12	32.0911224	-103.2965477
06-T06-4000VS(NAN127H)									
15,941.0	87.65	358.36	11,826.5	4,077.2	639.2	398,501.41	862,416.05	32.0913170	-103.2965521
16,037.0	92.09	358.80	11,826.7	4,173.1	636.8	398,597.35	862,413.67	32.0915808	-103.2965568
16,132.0	91.82	358.88	11,823.5	4,268.1	634.9	398,692.28	862,411.75	32.0918417	-103.2965601
16,227.0	90.46	357.92	11,821.6	4,363.0	632.2	398,787.22	862,409.10	32.0921027	-103.2965657
16,323.0	90.86	357.04	11,820.5	4,458.9	628.0	398,883.12	862,404.88	32.0923664	-103.2965764
16,418.0	91.69	357.30	11,818.4	4,553.8	623.3	398,977.98	862,400.19	32.0926273	-103.2965886
16,514.0	91.82	357.30	11,815.4	4,649.6	618.8	399,073.83	862,395.67	32.0928908	-103.2966002
16,565.0	90.68	356.16	11,814.3	4,700.5	615.9	399,124.73	862,392.76	32.0930308	-103.2966080
16,660.0	90.33	355.19	11,813.5	4,795.2	608.7	399,219.46	862,385.59	32.0932914	-103.2966282
16,756.0	92.09	357.92	11,811.5	4,891.0	602.9	399,315.25	862,379.83	32.0935548	-103.2966438
16,809.5	92.78	358.94	11,809.2	4,944.4	601.5	399,368.66	862,378.36	32.0937016	-103.2966469
NAN 127 Waypoint 5									
16,852.0	93.32	359.76	11,806.9	4,986.9	601.0	399,411.11	862,377.88	32.0938183	-103.2966471
16,868.6	93.27	359.79	11,806.0	5,003.5	600.9	399,427.73	862,377.82	32.0938640	-103.2966468
NAN 127 Target 05 (copy)									
16,871.5	93.26	359.80	11,805.8	5,006.4	600.9	399,430.62	862,377.81	32.0938720	-103.2966468
07-T07-5000VS(NAN127H)									
16,875.7	93.24	359.80	11,805.6	5,010.6	600.9	399,434.77	862,377.79	32.0938834	-103.2966467
07-T07(NAN-127H) (copy)									
16,947.0	93.01	359.94	11,801.7	5,081.8	600.7	399,505.97	862,377.64	32.0940791	-103.2966450
17,042.0	91.65	359.24	11,797.8	5,176.7	600.1	399,600.89	862,376.96	32.0943400	-103.2966442
17,138.0	91.91	0.29	11,794.8	5,272.6	599.7	399,696.84	862,376.56	32.0946037	-103.2966425
17,234.0	90.86	357.57	11,792.5	5,368.6	597.9	399,792.78	862,374.77	32.0948674	-103.2966453
17,329.0	90.86	358.97	11,791.1	5,463.5	595.0	399,887.73	862,371.90	32.0951285	-103.2966516
17,424.0	92.92	2.93	11,788.0	5,558.4	596.6	399,982.64	862,373.47	32.0953893	-103.2966436
17,520.0	92.00	2.75	11,783.8	5,654.2	601.3	400,078.43	862,378.23	32.0956525	-103.2966253
17,615.0	92.44	1.26	11,780.2	5,749.1	604.7	400,173.30	862,381.55	32.0959131	-103.2966116
17,710.0	90.20	1.26	11,778.0	5,844.0	606.7	400,268.24	862,383.64	32.0961740	-103.2966019
17,806.0	89.67	2.66	11,778.1	5,940.0	610.0	400,364.18	862,386.92	32.0964376	-103.2965884
17,868.7	89.70	1.84	11,778.4	6,002.7	612.5	400,426.87	862,389.38	32.0966098	-103.2965785
NAN 127 Waypoint 6									
17,868.8	89.70	1.84	11,778.4	6,002.7	612.5	400,426.92	862,389.38	32.0966100	-103.2965785
NAN 127 Target 06 (copy)									
17,872.3	89.70	1.79	11,778.5	6,006.2	612.6	400,430.40	862,389.49	32.0966196	-103.2965780
08-T08-6000VS(NAN127H)									
17,875.6	89.70	1.75	11,778.5	6,009.5	612.7	400,433.71	862,389.60	32.0966286	-103.2965776
08-T08(NAN-127H) (copy)									
17,900.0	89.71	1.43	11,778.6	6,033.9	613.4	400,458.12	862,390.27	32.0966957	-103.2965746
17,996.0	89.49	0.20	11,779.3	6,129.9	614.7	400,554.11	862,391.64	32.0969595	-103.2965672
18,091.0	93.45	1.70	11,776.8	6,224.8	616.3	400,649.04	862,393.21	32.0972204	-103.2965592
18,186.0	92.09	359.24	11,772.2	6,319.7	617.1	400,743.92	862,393.99	32.0974811	-103.2965537
18,281.0	91.61	0.19	11,769.2	6,414.6	616.6	400,838.83	862,393.52	32.0977420	-103.2965523
NMNMA137469 Exit at 18281.0 MD									
18,282.0	91.60	0.20	11,769.1	6,415.7	616.6	400,839.87	862,393.52	32.0977449	-103.2965523
18,377.0	91.60	1.61	11,766.5	6,510.6	618.1	400,934.81	862,395.02	32.0980058	-103.2965445
18,472.0	92.75	3.19	11,762.9	6,605.4	622.1	401,029.66	862,399.00	32.0982664	-103.2965287
18,567.0	89.58	1.52	11,761.0	6,700.3	626.0	401,124.54	862,402.90	32.0985271	-103.2965132
18,662.0	89.19	1.43	11,762.0	6,795.3	628.4	401,219.51	862,405.34	32.0987880	-103.2965023
18,757.0	89.58	358.71	11,763.0	6,890.3	628.6	401,314.49	862,405.46	32.0990491	-103.2964990
18,833.0	89.13	357.94	11,763.9	6,966.2	626.3	401,390.46	862,403.24	32.0992579	-103.2965038
NAN 127 Waypoint 7									
18,853.0	89.01	357.74	11,764.2	6,986.2	625.6	401,410.44	862,402.48	32.0993128	-103.2965056



American Resource Development LLC.

Survey Report - Geographic

Company:	Ameredev Operating	Local Co-ordinate Reference:	Well Nandina Fed Com 25-36-31 127H
Project:	Lea County, NM (N83-NME)	TVD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Site:	Nandina_GoldenBell	MD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Well:	Nandina Fed Com 25-36-31 127H	North Reference:	Grid
Wellbore:	N127H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	AUS-COMPASS - EDM_15 - 32bit

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
18,863.5	89.14	357.77	11,764.3	6,996.7	625.2	401,420.90	862,402.07	32.0993416	-103.2965066
NAN 127 Target 07 (copy)									
18,870.6	89.22	357.79	11,764.4	7,003.8	624.9	401,427.98	862,401.80	32.0993611	-103.2965073
09-T09(NAN-127H) (copy)									
18,873.8	89.26	357.80	11,764.5	7,007.0	624.8	401,431.23	862,401.67	32.0993700	-103.2965076
09-T09-7000VS(NAN127H)									
18,948.0	90.15	358.01	11,764.9	7,081.2	622.1	401,505.37	862,398.96	32.0995739	-103.2965140
19,044.0	89.41	358.27	11,765.2	7,177.1	619.0	401,601.31	862,395.85	32.0998377	-103.2965211
19,140.0	90.59	356.78	11,765.2	7,273.0	614.8	401,697.22	862,391.70	32.1001014	-103.2965315
19,235.0	94.15	358.53	11,761.3	7,367.8	610.9	401,792.04	862,387.82	32.1003621	-103.2965411
19,331.0	96.26	357.83	11,752.6	7,463.4	607.9	401,887.59	862,384.78	32.1006248	-103.2965480
19,426.0	93.49	358.88	11,744.5	7,558.0	605.2	401,982.20	862,382.07	32.1008849	-103.2965538
19,522.0	90.15	358.01	11,741.5	7,653.9	602.6	402,078.10	862,379.46	32.1011485	-103.2965592
19,618.0	91.30	356.60	11,740.3	7,749.8	598.1	402,173.98	862,374.95	32.1014122	-103.2965708
19,696.3	91.51	355.24	11,738.3	7,827.8	592.5	402,252.03	862,369.38	32.1016268	-103.2965864
NAN 127 Waypoint 8									
19,714.0	91.56	354.93	11,737.9	7,845.5	591.0	402,269.69	862,367.86	32.1016754	-103.2965907
19,809.0	91.08	357.83	11,735.7	7,940.2	585.0	402,364.46	862,361.87	32.1019361	-103.2966071
19,867.1	92.18	357.83	11,734.0	7,998.2	582.8	402,422.45	862,359.67	32.1020955	-103.2966124
NAN 127 Target 08 (copy)									
19,874.3	92.32	357.83	11,733.8	8,005.4	582.5	402,429.64	862,359.40	32.1021153	-103.2966131
10-T10-8000VS(NAN127H)									
19,875.3	92.34	357.83	11,733.7	8,006.5	582.5	402,430.68	862,359.36	32.1021181	-103.2966132
10-T10(NAN-127H) (copy)									
19,904.0	92.88	357.83	11,732.4	8,035.1	581.4	402,459.33	862,358.27	32.1021969	-103.2966158
20,000.0	90.86	357.39	11,729.3	8,131.0	577.4	402,555.19	862,354.27	32.1024605	-103.2966257
20,095.0	90.51	358.36	11,728.1	8,225.9	573.9	402,650.12	862,350.75	32.1027215	-103.2966342
20,191.0	88.97	357.74	11,728.6	8,321.8	570.6	402,746.06	862,347.48	32.1029853	-103.2966417
20,286.0	91.30	0.03	11,728.3	8,416.8	568.7	402,841.03	862,345.63	32.1032463	-103.2966448
20,381.0	87.25	358.88	11,729.5	8,511.8	567.8	402,935.99	862,344.73	32.1035074	-103.2966447
20,477.0	89.54	2.58	11,732.2	8,607.7	569.1	403,031.93	862,345.95	32.1037710	-103.2966378
20,537.1	90.01	2.19	11,732.5	8,667.7	571.6	403,091.93	862,348.45	32.1039359	-103.2966279
NAN 127 Waypoint 9									
20,573.0	90.29	1.96	11,732.4	8,703.6	572.9	403,127.85	862,349.76	32.1040346	-103.2966225
20,668.0	90.07	1.96	11,732.1	8,798.6	576.1	403,222.79	862,353.01	32.1042954	-103.2966091
20,763.0	90.64	2.49	11,731.5	8,893.5	579.8	403,317.72	862,356.69	32.1045562	-103.2965942
20,856.0	91.25	0.91	11,730.0	8,986.4	582.6	403,410.66	862,359.45	32.1048116	-103.2965824
20,871.7	90.96	0.72	11,729.7	9,002.1	582.8	403,426.35	862,359.68	32.1048547	-103.2965812
NAN 127 Target 09 (copy)									
20,875.4	90.89	0.68	11,729.6	9,005.9	582.8	403,430.07	862,359.72	32.1048649	-103.2965810
11-T11-9000VS(NAN127H)									
20,877.3	90.86	0.66	11,729.6	9,007.7	582.8	403,431.93	862,359.74	32.1048701	-103.2965808
11-T11(NAN-127H) (copy)									
20,952.0	89.49	359.76	11,729.3	9,082.4	583.1	403,506.65	862,360.01	32.1050754	-103.2965777
21,047.0	89.41	359.06	11,730.3	9,177.4	582.1	403,601.64	862,359.04	32.1053365	-103.2965779
21,143.0	89.85	358.36	11,730.9	9,273.4	580.0	403,697.62	862,356.87	32.1056004	-103.2965819
21,239.0	88.48	356.16	11,732.3	9,369.3	575.4	403,793.49	862,352.29	32.1058640	-103.2965937
21,334.0	89.59	355.81	11,733.9	9,464.0	568.7	403,888.24	862,345.64	32.1061246	-103.2966122
21,430.0	91.21	355.90	11,733.2	9,559.8	561.8	403,983.98	862,338.70	32.1063879	-103.2966317
21,525.0	91.87	356.86	11,730.6	9,654.5	555.8	404,078.76	862,332.70	32.1066486	-103.2966481
21,633.0	92.00	357.48	11,727.0	9,762.3	550.5	404,186.56	862,327.37	32.1069450	-103.2966619
21,729.0	93.23	357.39	11,722.6	9,858.2	546.2	404,282.37	862,323.08	32.1072085	-103.2966728
21,824.0	95.60	358.80	11,715.3	9,952.8	543.0	404,377.02	862,319.93	32.1074687	-103.2966801



American Resource Development LLC.

Survey Report - Geographic

Company:	Ameredev Operating	Local Co-ordinate Reference:	Well Nandina Fed Com 25-36-31 127H
Project:	Lea County, NM (N83-NME)	TVD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Site:	Nandina_GoldenBell	MD Reference:	GL 3,010' + 27' KB @ 3037.0usft (Nabors)
Well:	Nandina Fed Com 25-36-31 127H	North Reference:	Grid
Wellbore:	N127H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	AUS-COMPASS - EDM_15 - 32bit

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
21,876.6	94.32	0.39	11,710.8	10,005.2	542.7	404,429.44	862,319.56	32.1076128	-103.2966796
NAN 127 Target 10 (copy)									
21,878.2	94.29	0.44	11,710.6	10,006.8	542.7	404,431.00	862,319.57	32.1076171	-103.2966795
12-T12-10000VS(NAN127H)									
21,884.8	94.13	0.64	11,710.2	10,013.4	542.7	404,437.60	862,319.63	32.1076352	-103.2966791
12-T12(NAN-127H) (copy)									
21,920.0	93.27	1.70	11,707.9	10,048.5	543.5	404,472.72	862,320.35	32.1077317	-103.2966757
22,016.0	99.82	1.96	11,696.9	10,143.8	546.5	404,567.99	862,323.39	32.1079935	-103.2966629
22,111.0	101.89	2.66	11,679.1	10,237.0	550.3	404,661.21	862,327.15	32.1082496	-103.2966479
22,119.3	101.89	2.66	11,677.4	10,245.1	550.6	404,669.29	862,327.53	32.1082718	-103.2966464
02-Nandina-127H-LTP (copy)									
22,124.0	101.89	2.66	11,676.4	10,249.7	550.8	404,673.92	862,327.74	32.1082845	-103.2966456
22,142.0	101.89	2.66	11,672.7	10,267.3	551.7	404,691.51	862,328.56	32.1083329	-103.2966424
Nandina 127H Unit Hardlines Exit at 22142.0 MD									
22,144.7	101.89	2.66	11,672.1	10,270.0	551.8	404,694.17	862,328.68	32.1083402	-103.2966419
13-LTP-280FEL(NAN127H)									
22,154.9	101.89	2.66	11,670.0	10,279.9	552.3	404,704.16	862,329.15	32.1083676	-103.2966401
13-LTP(NAN-127H) (copy)									
22,168.1	101.89	2.66	11,667.3	10,292.8	552.9	404,717.03	862,329.75	32.1084030	-103.2966378
03-Nandina-127H-BHL (copy)									
22,187.0	101.89	2.66	11,663.4	10,311.3	553.7	404,735.50	862,330.60	32.1084537	-103.2966345
14-PBHL(NAN-127H) (copy) - 14-PBHL-280FEL(NAN127H)									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8251	8220	-191	500	NMNMA119762 Exit at 8251.0 MD
11,366	11,333	-223	575	KOP @ 11366
11,505	11,467	-190	586	NMNMA119762 Entry at 11505.0 MD
11,713	11,645	-93	624	Nandina 127H Unit Hardlines Entry at 11713.0 MD
12,320	11,800	462	686	EOC @ 12320
14,315	11,803	2453	638	NMNMA119762 Exit at 14315.0 MD
18,281	11,769	6415	617	NMNMA137469 Exit at 18281.0 MD
22,142	11,673	10,267	552	Nandina 127H Unit Hardlines Exit at 22142.0 MD

Checked By: _____ Approved By: _____ Date: _____

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-49181
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐ FED ☒
2. Name of Operator AMEREDEV OPERATING, LLC		6. State Oil & Gas Lease No. NMNM119762
3. Address of Operator 2901 VIA FORTUNA, SUITE 600 AUSTIN, TX 78746		7. Lease Name or Unit Agreement Name NANDINA 25 36 31 FEDERAL COM
4. Well Location Unit Letter <u>P</u> : <u>200</u> feet from the <u>SOUTH</u> line and <u>950</u> feet from the <u>EAST</u> line Section <u>31</u> Township <u>25-S</u> Range <u>36-E</u> NMPM County <u>LEA</u>		8. Well Number 127H
		9. OGRID Number 372224
		10. Pool name or Wildcat Jal/Wolfcamp West
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,010' GL / 3,043' RKB		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: COMPLETION ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

SPUD DATE: 10/7/2021

RIG RELEASED: 1/16/2022

6/14/2022 Begin perf and frac

7/8/2022 Finish 68 stages perf and frac 11,938' - 22,101'36 , 0.49, 4136 , 27,331,771 LBS PROPPANT / 733,449 BBLS FLUIDS

8/26/2022 Drilled out plugs and clean out wellbore

9/3/2022 Test Void to 9500 psi, seals & flanges to 10,000 psi

9/5/2022 Opened well to flowback - Date of First Production

Spud Date:

10/7/2021

Rig Release Date:

1/16/2022

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Biff Yocham TITLE Engineer DATE 12/13/2022

Type or print name Biff Yocham E-mail address byocham@ameredev.com PHONE 832-671-9665

For State Use Only

APPROVED BY: _____ DATE _____

Conditions of Approval (if any):

State of New Mexico
Energy, Minerals and Natural Resources

Form C-105

Revised April 3, 2017

Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

1. WELL API NO. 30-025-49181

2. Type of Lease
☐ STATE ☐ FEE ☒ FED/INDIAN

3. State Oil & Gas Lease No.
NMNM119762

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☒ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name

NANDINA 25 36 31 FEDERAL COM

6. Well Number:

127H

7. Type of Completion:

☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____

8. Name of Operator

AMEREDEV OPERATING, LLC

9. OGRID

372224

10. Address of Operator

2901 VIA FORTUNA, SUITE 600 AUSTIN, TX 78746

11. Pool name or Wildcat

Jal/Wolfcamp West

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	P	31	25-S	36-E	-	200	SOUTH	950	EAST	LEA
BH:	A	30	25-S	36-E	-	56	NORTH	296	EAST	LEA

13. Date Spudded 10/7/2021	14. Date T.D. Reached 1/14/2022	15. Date Rig Released 1/16/2022	16. Date Completed (Ready to Produce) 9/2/2022	17. Elevations (DF and RKB, RT, GR, etc.) 3,010' GL / 3,043' RKB
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18. Total Measured Depth of Well 22,187'	19. Plug Back Measured Depth 22,163'	20. Was Directional Survey Made? YES	21. Type Electric and Other Logs Run MWD - API GAMMA RAY
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22. Producing Interval(s), of this completion - Top, Bottom, Name

11,938' - 22,101' Wolfcamp

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13.375" J55 BTC	68#	1,205'	17.5"	801 / 302	
10.75" HCL-80 BTC	45.5#	5,095'	12.25"	1145 / 925	
7.625" HCL-80 BTC	29.7#	11,171'	9.875"	980 / 340	
5.5" RYSP110 / HP110	23#	22,163'	6.75"	520 / 1105	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2.875"	11,296'	11,290'

25. TUBING RECORD

26. Perforation record (interval, size, and number)

11,938' - 22,101', 0.49, 4136

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11,938' - 22,101'	27,331,771 LBS PROPPANT / 733,449 BBLS FLUIDS

23. PRODUCTION

Date First Production 9/5/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 9/25/2022	Hours Tested 24	Choke Size 64	Prod'n For Test Period	Oil - Bbl 1231	Gas - MCF 1353	Water - Bbl. 5110	Gas - Oil Ratio 1099.106418
Flow Tubing Press. 153	Casing Pressure 0	Calculated 24-Hour Rate	Oil - Bbl. 1231	Gas - MCF 1353	Water - Bbl. 5110	Oil Gravity - API - (Corr.) 37.5	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Test Witnessed By

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude

Longitude

NAD 1927 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Biff Yocham

Printed
Name

Biff Yocham

Title

Engineer

Date

12/13/2022

E-mail Address

byocham@amerdev.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by a copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn "A" _____
T. Salt _____	T. Strawn _____	T. Kirtland _____	T. Penn. "B" _____
B. Salt _____	T. Atoka _____	T. Fruitland _____	T. Penn. "C" _____
T. Yates _____	T. Miss _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. 7 Rivers _____	T. Devonian _____	T. Cliff House _____	T. Leadville _____
T. Queen _____	T. Silurian _____	T. Menefee _____	T. Madison _____
T. Grayburg _____	T. Montoya _____	T. Point Lookout _____	T. Elbert _____
T. San Andreas _____	T. Simpson _____	T. Mancos _____	T. McCracken _____
T. Glorieta _____	T. McKee _____	T. Gallup _____	T. Ignacio Oztzte _____
T. Paddock _____	T. Ellenburger _____	Base Greenhorn _____	T. Granite _____
T. Blinbury _____	T. Gr. Wash _____	T. Dakota _____	
T. Tubb _____	T. Delaware Sand _____	T. Morrison _____	
T. Drinkard _____	T. Bone Springs _____ 8,250	T. Todilto _____	
T. Abo _____	T. _____	T. Entrada _____	
T. Wolfcamp _____ 11,622	T. _____	T. Wingate _____	
T. Penn _____	T. _____	T. Chinle _____	
T. Cisco (Bough C) _____	T. _____	T. Permian _____	

OIL OR GAS
SANDS OR ZONES

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet _____

No. 2, from _____ to _____ feet _____

No. 3, from _____ to _____ feet _____

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
0	1,037	1037	Anhydrite				
1037	1,411	374	Salt				
1411	3,207	1795	Limestone				
3207	3,680	474	Limestone				
3680	5,046	1366	Limestone				
5046	5,118	72	Limestone				
5118	7,231	2113	Sandstone				
7231	8,250	1019	Sandstone				
8250	9,622	1372	Limestone				
9622	10,160	538	Sandstone				
10160	10,775	614	Sandstone				
10775	11,371	596	Limestone				
11371	11,622	251	Sandstone				
11622	TD		Shale				

Nandina 25 36 31 Federal Com 127H					
Jal/Wolfcamp West					
County, St: Lea, NM SHL: Section 31, T25S, R36E 200' FSL, 950' FEL BHL: Section 30, T25S, R36E 56' FNL, 296' FEL 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		AS-DRILLED		Co. Well ID: 40791 AFE #: 2020-020 API #: 30-025-49181 Permit: BLM GL: 3,010' Field: Delaware Rig: Nabors X49 KB: 32.5' Elevation: 3,043' E-Mail: drillingcr@ameredev.com Spud Date: 10/7/2021 Rig Release Date: 1/16/2022	
General Notes	Hole Size	Casing & Cement	Geology	TVD	Mud Weight
Surface Cement: Pump 20 bbl Spacer, Pump 247 bbls, 801 sks of 13.5 ppg @ 9.22 Mix Water, 1.73 Yield (Class C + 4% Bentonite - .25#/sk Celloflake + .125#/sk LFC-4); Pump 73 bbls, 302 Sks of 14.8 ppg 100% Class C Premium Tail Cement @ 6.44 Mix Water, 1.35 Yield ; Shut down Drop Plug and Displace with 174 bbls Fresh Water @ 8 bpm with full returns. Bump plug, Bled back 1.5 bbl. Checked Float (Held) 65 BBL's of Cement to Surface. Casing Test: 1500 Psi (Good)	17-1/2"	Cement to Surface: 65 bbls 13.375 68 J-55 BTC 0 - 1205	Conductor Rustler	128' 1,037'	8.4 - 8.6 ppg
Intermediate Cement: Cement 10.75" Intermediate Casing. Test Lines @ 3500 psi, Pump 30 bbl Spacer, Pump 449 bbls, 1145 sks of 11 ppg Nine Lite Lead Cement, Sack Wt @ 75 lb/sk, Yield @ 2.2 ft ³ /sk, Mix Water @ 12.01 gps with Blitz @ 4 lbs/sk & CPT-20A @ 0.15% Followed by 30 bbls, 125 sks of 14.8 ppg Class C Tail Cement, Sack Wt @ 94 lb/sk, Yield @ 1.33 ft ³ /sk, Mix Water @ 6.32 gps, with CPT-24 @ 0.1% Shut down, Drop Plug, Pump 400 bbls FW Displacement with no returns. Email from Allison Morency, BLM Petroleum Engineer states "You are approved to utilize a single-staged cement job with a Bradenhead if there are issues." Notify BLM Rep Mila of Cement Job 10/30/2021 @ 4:00 am. Continue Pumping Cement Displacement with Fresh Water @ 6 bpm, slow pumps to 3 bpm to land plug, Bump Plug @ 488 bbls 500 psi over to 1000 psi. Bled back 1/4 bbl, Floats Held. No Cement Circulated to Surface. (Notify BLM Rep Mila of pumping Approved Remedial Cement 10/31/2021 @ 07:00 am). Test Lines, Establish Injection Rate @ 4 bpm and Pump 190 bbls, 800 sks of 14.8 ppg Class C Cement, Yield @ 1.33 ft ³ /sk, Mix Water @ 6.32 gps @ 4 bpm @ 200 psi. Pump 3 bbls Fresh Water to Clean lines, Washout Valve Inlet. Close Casing Valve. Casing Test: 1500 Psi (Good)	12-1/4"	Intermediate 1 DV Tool/ACP Did Not Run Cement to Surface: No Cement to Surface bbls 10.75 45.5 HC L-80 BTC 0 - 5095	Salado Tansill Capitan Lamar	1,411' 3,207' 3,680' 5,046'	10 (180k+ chlorides) ppg
No Temp Log or CBL was run.	5115'	5095' MD 5080' TVD			
Intermediate II Cement: Test Lines to 5000 psi, Pump 40 bbls Weighted Dye Spacer @ 9.5 ppg, Pump 546 bbls, 980 sks (50% Excess) of 100% HSLD 77 Lead Cement @ 10.5 ppg, Yield @ 3.13 ft ³ /sk, Mix water @ 18.89 gps with Salt @ 0.79 #/sk, C-45 Econolite @ 0.50%, STE @ 4.00%, Citric Acid @ 0.25%, CSA-1000-Fluid Loss Additive @ 0.45%, Kol Seal @ 3.00 #/sk, C-503P Defoamer @ 0.30%, Phenoseal @ 2.50 #/sk HGS-8000X Low Density Additive @ 1.30 #/sk @ 8 bpm. Pump 52.8 bbls, 340 sks (25% Excess) of 50:25:25% Class H Premium: Compass Poz-Mix: CPO-18 Tail Cement @ 14.2 ppg, Yield @ 1.29 ft ³ /sk, Mix Water @ 5.90 gps with Salt @ 0.49 #/sk, C-45 Econolite @ 0.10%, STE @ 4.00%, Citric Acid @ 0.03%, CSA-1000-Fluid Loss Additive 0.06% & FL-1 @ 0.30% @ 6.5 bpm. Pump 508.8 bbls Fresh Water Displacement, Slow down and Bump Plug 500 psi over FCP @ 1831 psi and Stage up to 2500 psi for CIT. Full Returns throughout Job, Circulated 153 bbls, 274.4 sks of Cement Back to Surface. On 11/7/2021. Casing Test: 2500 psi (Good)	9-7/8"	Cement to Surface: 153 bbls 7.625 29.7 HC L-80 BTC 0 - 11171	Bell Canyon Brushy Canyon Bone Spring Lime First Bone Spring Second Bone Spring Third Bone Spring Upper	5,118' 7,231' 8,250' 9,622' 10,160' 10,775'	9.0 - 9.5 ppg
Production Cement: Fill cement lines and test lines, pump 50 bbls spacer @ 12.5 ppg w/surfactant at 4 bpm, Mix and pump 520 sks - 40% excess yielding 183 bbl. of lead cement - 80% Class C Premium, 20% CHP-07 Light Weight, Salt 0.88#/sk, Salt, 0.27% Citric Acid, 0.03% CSA-1000, 0.80% fluid loss additive. Yield 1.98; Density 12.5 ppg. Mix and pumped 490 sks yielding 108.2 bbls of 1st tail cement w/ LCM- 50% Class H premium, 25 % compass Poz-Mix and 25% CPO-18, 0.02% CSA-1000 Fluid loss additive, 0.55% CFL-1, 1#/sk OF-1 LCM, 0.20% Retarder C-20. Yield 1.24; Density 14.2. Mix and pumped 615 sks yielding 155.8 bbl @ 4 bpm of 2nd tail cement- 50% Class H premium, 25 % compass Poz-Mix and 25% CPO-18, 0.02% CSA-1000 Fluid loss additive, 0.55% CFL-1, 0.16% Retarder C-20. Yield 1.24; Density 14.2. Pumped 5 bbls of sugar water. Shutdown, drop top plug followed by 462.7 bbls fresh water to displace, No cement back to surface. Pumped 5 bbls of sugar water. Bump plug with 7900 psi. Check floats, 11 bbls back to truck. Top of Cement at 4,787'. Done on 1/15/2022 @ 08:15. Lateral Length: 10087' LTP VS: 10263' FTP: 11938' LTP: 22143'	6-3/4"	KOP 11300' MD 11267' TVD EOC 12100' MD 11792' TVD	CTS: Calculated TOC @ 4787' bbls Floatation Collar @ Not Run ' MD Wolfcamp Wolfcamp B 22187' MD 11,663' TVD @ BHL 10,326' VS	11,371' 11,622' 11,941'	10.5-12.5 ppg

District I
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 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

ACKNOWLEDGMENTS

Action 167119

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 167119
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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State of New Mexico
Energy, Minerals and Natural Resources
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CONDITIONS

Action 167119

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 167119
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report and 3160-5 Completion Sundry within 10 days of BLM approval.	5/1/2024