

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

State of New Mexico
Energy, Minerals & Natural Resources

Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

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 30-025-49253	⁵ Pool Name Lwr Bone Spring		⁶ Pool Code 98150
⁷ Property Code 320762	⁸ Property Name RED BUD 25 36 32 FEDERAL COM		⁹ Well Number 091H

II. ¹⁰ Surface Location

UI or lot no. M	Section 32	Township 25-S	Range 36-E	Lot Idn -	Feet from the 200	North/South Line SOUTH	Feet from the 830	East/West Line WEST	County LEA
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¹¹ Bottom Hole Location

UI or lot no. D	Section 29	Township 25-S	Range 36-E	Lot Idn -	Feet from the 52	North/South Line NORTH	Feet from the 810	East/West Line WEST	County LEA
¹² Lse Code	¹³ Producing Method Code F	¹⁴ Gas Connection Date 9/29/2022		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 10/27/2021	²² Ready Date 9/29/2022	²³ TD 21,912'	²⁴ PBTD 21,870'	²⁵ Perforations 11,552' - 21,832'	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	1,288'		949 / 328
9.875"		7.625" HC L-80 BTC	10,808'		1500 / 210
6.75"		5.5" RYSP110 / HP110 2.875"	21,870' 10,879'		595 / 1005

V. Well Test Data

³¹ Date New Oil 9/30/2022	³² Gas Delivery Date 9/29/2022	³³ Test Date 10/25/2022	³⁴ Test Length 24	³⁵ Tbg. Pressure 530	³⁶ Csg. Pressure 384
³⁷ Choke Size 64	³⁸ Oil 1065	³⁹ Water 2770	⁴⁰ Gas 1975		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: Title: Approval Date: 		
Printed Name: Biff Yocham					
Title: Engineer					
E-mail Address: byocham@ameredev.com					
Date: 1/12/2023		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 30-025-49253	² Pool Code 98150	³ Pool Name WC-025 G-08 S263620G; LWR BONE SPRING
⁴ Property Code 320762	⁵ Property Name RED BUD 25 36 32 FEDERAL COM	⁶ Well Number 091H
⁷ OGRID No. 372224	⁸ Operator Name AMEREDEV OPERATING, LLC.	⁹ Elevation 3009'

¹⁰Surface Location

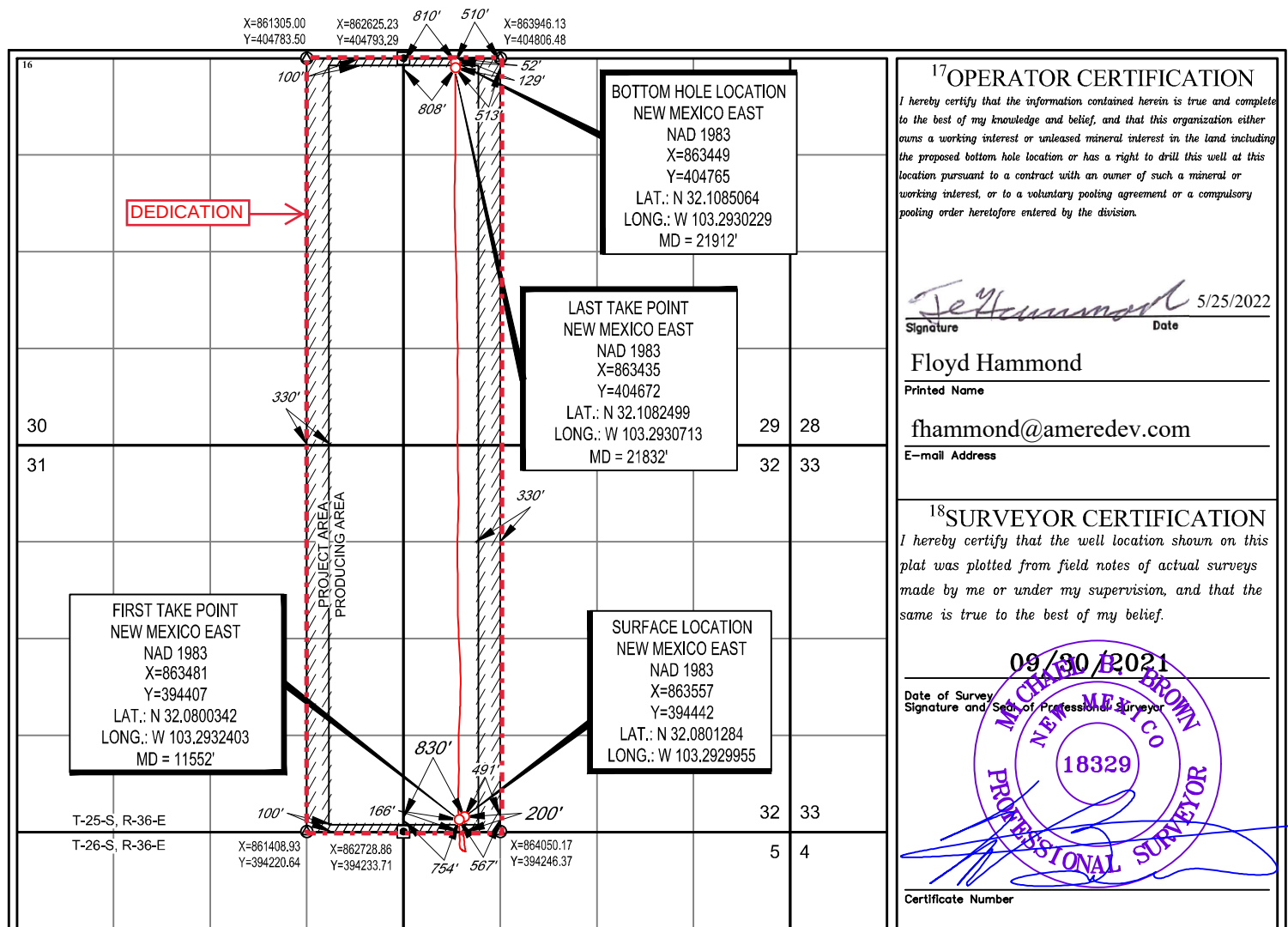
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	32	25-S	36-E	-	200'	SOUTH	830'	WEST	LEA

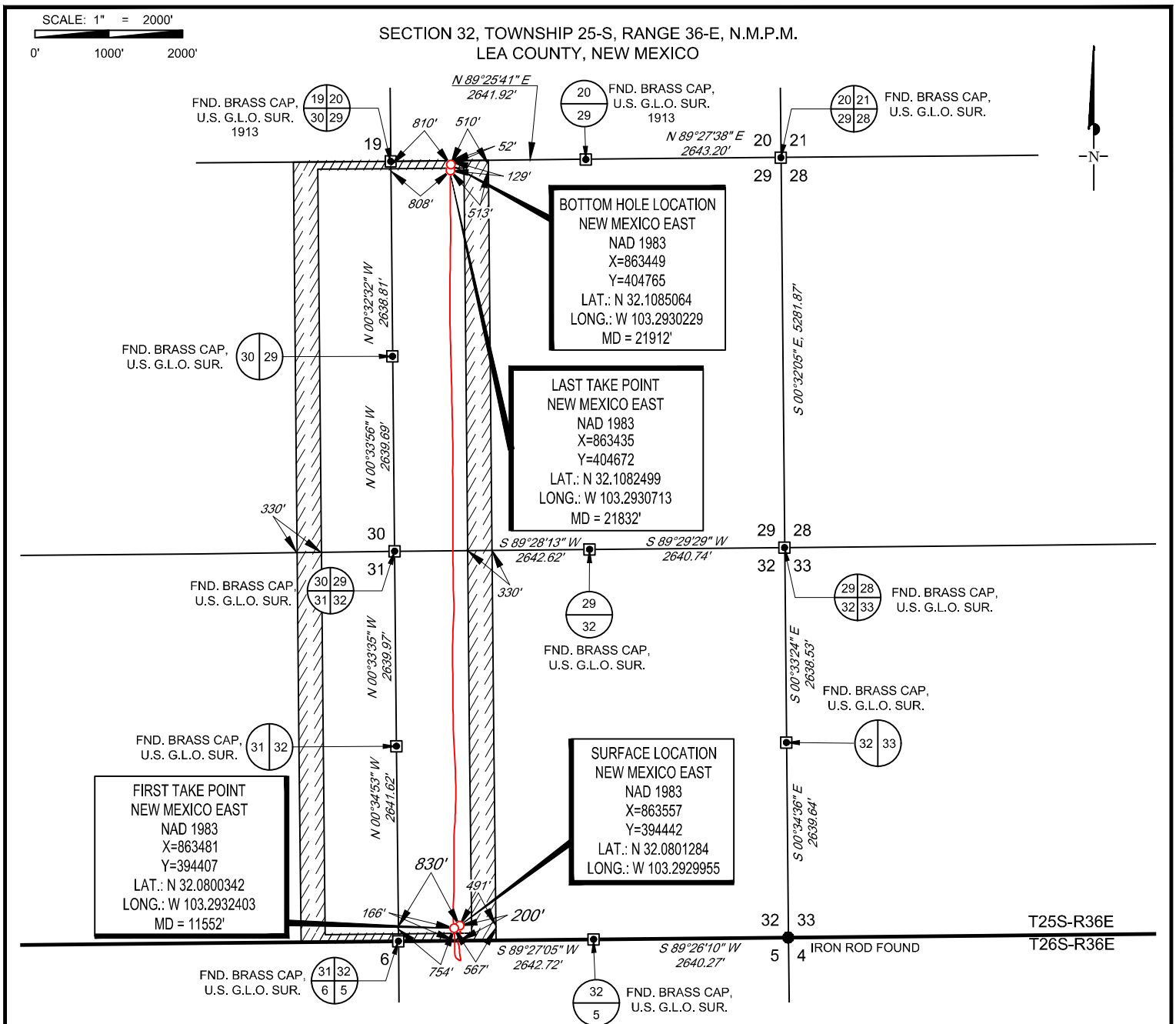
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	25-S	36-E	-	52'	NORTH	810'	WEST	LEA

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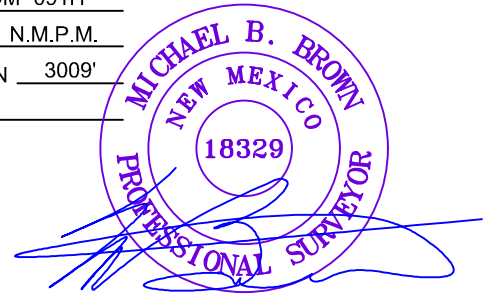
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





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 Blake Brown, P.S. No. 18329

RED BUD 25 36 32 FEDERAL COM 091H AS-COMPLETED	REVISION:		NOTES:
	INT	DATE	
DATE: 10/20/2022			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.
FILE: AD_RED_BUD_FED_COM_25_36_32_091H			
DRAWN BY: GJU			
SHEET: 2 OF 2			



American Resource Development LLC.

Ameredev Operating

Lea County, NM (N83-NME)

Red Bud_Holly

Red Bud 25 36 32 Federal Com 091H

30-025-49253

091H

Plan: FINAL PVA

Survey Report - Geographic

08 November, 2022



American Resource Development LLC.

Survey Report - Geographic

Company:	Ameredev Operating	Local Co-ordinate Reference:	Well Red Bud Fed Com 25-36-32 091H
Project:	Lea County, NM (N83-NME)	TVD Reference:	3009+27 @ 3036.0usft
Site:	Red Bud_Holly	MD Reference:	3009+27 @ 3036.0usft
Well:	Red Bud Fed Com 25-36-32 091H	North Reference:	Grid
Wellbore:	091H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL PVA	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	Red Bud_Holly				
Site Position:		Northing:	394,038.95 usft	Latitude:	32.0789464
From:	Lat/Long	Easting:	866,383.48 usft	Longitude:	-103.2838831
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.56 °

Well	Red Bud Fed Com 25-36-32 091H					
Well Position	+N/-S	0.0 usft	Northing:	394,442.00 usft	Latitude:	32.0801295
	+E/-W	0.0 usft	Easting:	863,557.00 usft	Longitude:	-103.2929949
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,009.0 usft

Wellbore	091H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/13/2022	6.32	59.78	47,362.28243787

Design	FINAL PVA				
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	359.33	

Survey Tool Program	Date	11/8/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	21,912.0	FINAL PVA (091H)	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	394,442.00	863,557.00	32.0801295	-103.2929949
93.0	0.40	200.00	93.0	-0.3	-0.1	394,441.69	863,556.89	32.0801286	-103.2929953
155.0	0.70	264.00	155.0	-0.5	-0.6	394,441.45	863,556.44	32.0801280	-103.2929967
240.0	1.00	248.00	240.0	-0.9	-1.8	394,441.12	863,555.23	32.0801271	-103.2930006
332.0	0.80	238.00	332.0	-1.5	-3.1	394,440.48	863,553.94	32.0801254	-103.2930048
427.0	0.50	238.00	427.0	-2.1	-4.0	394,439.91	863,553.03	32.0801238	-103.2930078
616.0	0.90	254.00	616.0	-2.9	-6.1	394,439.06	863,550.90	32.0801215	-103.2930146
710.0	1.30	249.00	709.9	-3.5	-7.8	394,438.47	863,549.20	32.0801200	-103.2930202
805.0	1.20	239.00	804.9	-4.4	-9.7	394,437.58	863,547.34	32.0801176	-103.2930262
899.0	0.90	260.00	898.9	-5.1	-11.2	394,436.94	863,545.77	32.0801158	-103.2930313
994.0	1.20	279.00	993.9	-5.0	-12.9	394,436.97	863,544.05	32.0801160	-103.2930368
1,088.0	1.20	283.00	1,087.9	-4.7	-14.9	394,437.34	863,542.12	32.0801170	-103.2930431



American Resource Development LLC.

Survey Report - Geographic

Company:	Ameredev Operating	Local Co-ordinate Reference:	Well Red Bud Fed Com 25-36-32 091H
Project:	Lea County, NM (N83-NME)	TVD Reference:	3009+27 @ 3036.0usft
Site:	Red Bud_Holly	MD Reference:	3009+27 @ 3036.0usft
Well:	Red Bud Fed Com 25-36-32 091H	North Reference:	Grid
Wellbore:	091H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL PVA	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
1,183.0	1.10	265.00	1,182.8	-4.5	-16.8	394,437.49	863,540.24	32.0801175	-103.2930491
1,248.0	1.00	292.00	1,247.8	-4.4	-17.9	394,437.64	863,539.10	32.0801180	-103.2930528
1,326.0	1.05	278.57	1,325.8	-4.0	-19.2	394,438.01	863,537.76	32.0801190	-103.2930571
1,421.0	1.76	212.57	1,420.8	-5.1	-20.9	394,436.91	863,536.11	32.0801160	-103.2930625
1,516.0	3.52	193.76	1,515.7	-9.2	-22.4	394,432.84	863,534.63	32.0801049	-103.2930674
1,610.0	3.60	194.02	1,609.5	-14.8	-23.8	394,427.18	863,533.23	32.0800893	-103.2930721
1,705.0	1.05	169.94	1,704.4	-18.6	-24.3	394,423.43	863,532.66	32.0800790	-103.2930740
1,800.0	1.89	118.79	1,799.4	-20.2	-22.8	394,421.81	863,534.19	32.0800746	-103.2930692
1,894.0	1.85	116.59	1,893.4	-21.6	-20.1	394,420.39	863,536.90	32.0800706	-103.2930604
1,989.0	1.54	109.65	1,988.3	-22.7	-17.5	394,419.27	863,539.47	32.0800675	-103.2930522
2,083.0	1.32	105.25	2,082.3	-23.4	-15.3	394,418.56	863,541.71	32.0800654	-103.2930450
2,178.0	1.05	98.84	2,177.3	-23.9	-13.4	394,418.14	863,543.62	32.0800642	-103.2930388
2,272.0	1.49	150.52	2,271.2	-25.1	-11.9	394,416.95	863,545.08	32.0800609	-103.2930341
2,366.0	2.46	167.65	2,365.2	-28.1	-10.9	394,413.91	863,546.11	32.0800525	-103.2930309
2,461.0	3.43	165.90	2,460.1	-32.8	-9.8	394,409.16	863,547.24	32.0800395	-103.2930274
2,555.0	4.84	167.39	2,553.8	-39.4	-8.2	394,402.57	863,548.79	32.0800213	-103.2930226
2,650.0	4.44	161.33	2,648.5	-46.8	-6.2	394,395.17	863,550.84	32.0800009	-103.2930162
2,745.0	4.13	155.35	2,743.2	-53.4	-3.6	394,388.58	863,553.45	32.0799827	-103.2930080
2,839.0	3.87	148.41	2,837.0	-59.2	-0.5	394,382.80	863,556.52	32.0799668	-103.2929983
2,934.0	4.44	155.09	2,931.8	-65.3	2.7	394,376.73	863,559.75	32.0799500	-103.2929880
3,028.0	5.71	160.10	3,025.4	-73.0	5.9	394,369.04	863,562.87	32.0799288	-103.2929782
3,122.0	5.32	157.37	3,118.9	-81.4	9.1	394,360.62	863,566.14	32.0799055	-103.2929679
3,217.0	5.49	178.99	3,213.5	-90.0	10.9	394,352.01	863,567.91	32.0798818	-103.2929624
3,311.0	7.34	196.31	3,307.0	-100.3	9.3	394,341.75	863,566.31	32.0798537	-103.2929680
3,312.0	7.34	196.31	3,307.9	-100.4	9.3	394,341.62	863,566.27	32.0798533	-103.2929681
HL Exit at 3312.0 MD									
3,405.0	7.08	197.19	3,400.2	-111.5	5.9	394,330.45	863,562.91	32.0798227	-103.2929793
3,500.0	6.77	197.63	3,494.5	-122.5	2.5	394,319.52	863,559.48	32.0797927	-103.2929907
3,595.0	6.55	197.63	3,588.9	-133.0	-0.9	394,309.02	863,556.15	32.0797640	-103.2930018
3,689.0	6.24	199.03	3,682.3	-142.9	-4.1	394,299.08	863,552.86	32.0797367	-103.2930127
3,784.0	6.07	199.73	3,776.7	-152.5	-7.5	394,289.47	863,549.48	32.0797104	-103.2930239
3,878.0	5.63	200.88	3,870.3	-161.5	-10.8	394,280.49	863,546.16	32.0796858	-103.2930349
3,972.0	5.54	197.19	3,963.8	-170.2	-13.8	394,271.84	863,543.17	32.0796621	-103.2930448
4,067.0	5.41	192.26	4,058.4	-178.9	-16.1	394,263.09	863,540.87	32.0796381	-103.2930525
4,162.0	4.92	190.42	4,153.0	-187.3	-17.8	394,254.70	863,539.18	32.0796151	-103.2930582
4,257.0	4.70	190.86	4,247.7	-195.1	-19.3	394,246.87	863,537.71	32.0795937	-103.2930632
4,278.0	4.62	189.40	4,268.6	-196.8	-19.6	394,245.20	863,537.41	32.0795891	-103.2930643
NMM137470 Entry at 4278.0 MD									
4,351.0	4.35	183.91	4,341.4	-202.5	-20.3	394,239.53	863,536.74	32.0795735	-103.2930666
4,445.0	4.09	180.66	4,435.1	-209.4	-20.5	394,232.63	863,536.46	32.0795545	-103.2930677
4,540.0	3.87	172.05	4,529.9	-215.9	-20.1	394,226.06	863,536.86	32.0795365	-103.2930666
4,634.0	3.43	178.73	4,623.7	-221.9	-19.6	394,220.11	863,537.36	32.0795201	-103.2930652
4,728.0	3.08	178.11	4,717.5	-227.2	-19.5	394,214.78	863,537.51	32.0795054	-103.2930649
4,822.0	2.95	176.36	4,811.4	-232.2	-19.3	394,209.84	863,537.75	32.0794919	-103.2930643
4,916.0	2.86	169.06	4,905.3	-236.9	-18.7	394,205.12	863,538.34	32.0794789	-103.2930625
5,010.0	2.99	156.58	4,999.2	-241.4	-17.2	394,200.57	863,539.76	32.0794663	-103.2930580
5,104.0	2.68	155.26	5,093.0	-245.7	-15.3	394,196.32	863,541.66	32.0794546	-103.2930521
5,197.0	2.68	156.67	5,185.9	-249.6	-13.6	394,192.35	863,543.43	32.0794437	-103.2930465
5,291.0	3.30	163.00	5,279.8	-254.3	-11.9	394,187.75	863,545.09	32.0794310	-103.2930412
5,386.0	3.34	159.13	5,374.7	-259.5	-10.1	394,182.55	863,546.88	32.0794166	-103.2930356
5,480.0	4.62	167.13	5,468.4	-265.7	-8.3	394,176.30	863,548.69	32.0793994	-103.2930300
5,574.0	5.93	174.25	5,562.0	-274.2	-7.0	394,167.77	863,550.02	32.0793759	-103.2930259
5,670.0	5.27	175.92	5,657.6	-283.6	-6.2	394,158.44	863,550.83	32.0793503	-103.2930236
5,764.0	5.71	169.59	5,751.1	-292.5	-5.0	394,149.54	863,551.99	32.0793257	-103.2930202
5,859.0	5.98	167.48	5,845.6	-301.9	-3.1	394,140.06	863,553.91	32.0792996	-103.2930142



American Resource Development LLC.

Survey Report - Geographic

Company:	Ameredev Operating	Local Co-ordinate Reference:	Well Red Bud Fed Com 25-36-32 091H
Project:	Lea County, NM (N83-NME)	TVD Reference:	3009+27 @ 3036.0usft
Site:	Red Bud_Holly	MD Reference:	3009+27 @ 3036.0usft
Well:	Red Bud Fed Com 25-36-32 091H	North Reference:	Grid
Wellbore:	091H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL PVA	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
5,954.0	8.57	178.38	5,939.9	-313.8	-1.8	394,128.15	863,555.19	32.0792669	-103.2930105
6,048.0	8.26	177.67	6,032.9	-327.6	-1.3	394,114.40	863,555.66	32.0792291	-103.2930094
6,143.0	8.09	177.59	6,126.9	-341.1	-0.8	394,100.90	863,556.22	32.0791920	-103.2930080
6,237.0	8.26	175.92	6,219.9	-354.4	0.0	394,087.56	863,556.98	32.0791553	-103.2930060
6,332.0	8.00	173.89	6,314.0	-367.8	1.2	394,074.18	863,558.17	32.0791185	-103.2930026
6,426.0	7.96	173.46	6,407.1	-380.8	2.6	394,061.21	863,559.60	32.0790828	-103.2929983
6,520.0	7.47	169.94	6,500.2	-393.3	4.4	394,048.73	863,561.41	32.0790484	-103.2929929
6,614.0	7.03	168.18	6,593.5	-404.9	6.7	394,037.08	863,563.66	32.0790163	-103.2929860
6,709.0	6.77	168.27	6,687.8	-416.1	9.0	394,025.91	863,565.99	32.0789856	-103.2929788
6,803.0	5.93	168.53	6,781.2	-426.3	11.1	394,015.72	863,568.08	32.0789575	-103.2929724
6,897.0	5.49	176.44	6,874.8	-435.5	12.3	394,006.48	863,569.32	32.0789321	-103.2929687
6,992.0	4.84	179.34	6,969.4	-444.1	12.7	393,997.93	863,569.65	32.0789086	-103.2929679
7,081.0	4.57	176.44	7,058.1	-451.4	12.9	393,990.64	863,569.91	32.0788885	-103.2929672
7,175.0	2.07	185.67	7,151.9	-456.8	13.0	393,985.21	863,569.98	32.0788736	-103.2929672
7,270.0	1.89	182.60	7,246.8	-460.1	12.7	393,981.94	863,569.74	32.0788646	-103.2929681
7,364.0	1.05	170.03	7,340.8	-462.5	12.8	393,979.54	863,569.82	32.0788580	-103.2929679
7,459.0	0.97	148.05	7,435.8	-464.0	13.4	393,978.00	863,570.39	32.0788538	-103.2929661
7,554.0	0.92	146.30	7,530.8	-465.3	14.2	393,976.69	863,571.24	32.0788502	-103.2929634
7,648.0	0.79	124.68	7,624.8	-466.3	15.2	393,975.69	863,572.19	32.0788474	-103.2929603
7,743.0	0.70	124.68	7,719.8	-467.0	16.2	393,974.99	863,573.21	32.0788454	-103.2929571
7,933.0	2.51	296.68	7,909.7	-465.8	13.4	393,976.20	863,570.45	32.0788488	-103.2929660
8,027.0	2.15	294.39	8,003.6	-464.2	10.0	393,977.85	863,567.00	32.0788535	-103.2929770
8,122.0	1.89	290.44	8,098.6	-462.9	6.9	393,979.13	863,563.91	32.0788571	-103.2929870
8,217.0	1.45	282.88	8,193.5	-462.1	4.3	393,979.95	863,561.27	32.0788594	-103.2929955
8,311.0	1.32	270.49	8,287.5	-461.8	2.0	393,980.22	863,559.03	32.0788602	-103.2930027
8,406.0	0.75	260.99	8,382.5	-461.9	0.3	393,980.13	863,557.32	32.0788600	-103.2930082
8,500.0	0.62	259.06	8,476.5	-462.1	-0.8	393,979.94	863,556.21	32.0788595	-103.2930118
8,595.0	0.75	262.40	8,571.5	-462.2	-1.9	393,979.76	863,555.09	32.0788590	-103.2930154
8,690.0	0.70	268.99	8,666.5	-462.3	-3.1	393,979.67	863,553.90	32.0788588	-103.2930193
8,784.0	0.66	263.37	8,760.5	-462.4	-4.2	393,979.59	863,552.78	32.0788586	-103.2930229
8,879.0	0.79	287.10	8,855.5	-462.3	-5.4	393,979.72	863,551.61	32.0788590	-103.2930267
8,973.0	0.66	273.04	8,949.5	-462.1	-6.5	393,979.94	863,550.45	32.0788597	-103.2930304
9,068.0	0.66	289.38	9,044.4	-461.8	-7.6	393,980.15	863,549.39	32.0788603	-103.2930338
9,162.0	0.62	295.27	9,138.4	-461.4	-8.6	393,980.55	863,548.42	32.0788614	-103.2930369
9,243.0	0.66	290.88	9,219.4	-461.1	-9.4	393,980.90	863,547.59	32.0788624	-103.2930396
9,338.0	0.62	292.46	9,314.4	-460.7	-10.4	393,981.30	863,546.60	32.0788635	-103.2930428
9,432.0	0.84	295.36	9,408.4	-460.2	-11.5	393,981.78	863,545.51	32.0788649	-103.2930463
9,526.0	0.97	309.60	9,502.4	-459.4	-12.7	393,982.59	863,544.27	32.0788671	-103.2930503
9,621.0	1.01	311.71	9,597.4	-458.3	-14.0	393,983.66	863,543.03	32.0788701	-103.2930542
9,715.0	0.92	305.99	9,691.4	-457.3	-15.2	393,984.65	863,541.80	32.0788728	-103.2930582
9,807.0	0.88	300.63	9,783.4	-456.6	-16.4	393,985.45	863,540.60	32.0788750	-103.2930621
9,902.0	0.92	298.35	9,878.4	-455.8	-17.7	393,986.18	863,539.30	32.0788771	-103.2930662
9,996.0	1.05	297.47	9,972.3	-455.1	-19.1	393,986.94	863,537.87	32.0788792	-103.2930708
10,091.0	1.23	308.10	10,067.3	-454.0	-20.7	393,987.97	863,536.29	32.0788821	-103.2930759
10,185.0	1.36	326.39	10,161.3	-452.5	-22.1	393,989.52	863,534.88	32.0788864	-103.2930804
10,280.0	1.49	332.01	10,256.3	-450.5	-23.3	393,991.55	863,533.68	32.0788920	-103.2930842
10,375.0	1.80	324.72	10,351.2	-448.1	-24.8	393,993.86	863,532.24	32.0788984	-103.2930888
10,469.0	2.15	314.52	10,445.2	-445.7	-26.9	393,996.30	863,530.13	32.0789051	-103.2930955
10,562.0	2.81	307.14	10,538.1	-443.1	-29.9	393,998.90	863,527.07	32.0789124	-103.2931053
10,656.0	3.34	302.04	10,632.0	-440.3	-34.1	394,001.74	863,522.91	32.0789203	-103.2931186
10,751.0	3.96	298.70	10,726.8	-437.2	-39.3	394,004.78	863,517.68	32.0789288	-103.2931354
10,836.0	4.70	296.77	10,811.5	-434.2	-45.0	394,007.76	863,512.00	32.0789371	-103.2931537
KOP @ 10836									
10,931.0	8.35	322.87	10,905.9	-427.0	-52.6	394,015.02	863,504.36	32.0789573	-103.2931781
11,024.0	21.41	346.86	10,995.7	-405.0	-60.6	394,037.04	863,496.38	32.0790180	-103.2932032



American Resource Development LLC.

Survey Report - Geographic

Company:	Ameredev Operating	Local Co-ordinate Reference:	Well Red Bud Fed Com 25-36-32 091H
Project:	Lea County, NM (N83-NME)	TVD Reference:	3009+27 @ 3036.0usft
Site:	Red Bud_Holly	MD Reference:	3009+27 @ 3036.0usft
Well:	Red Bud Fed Com 25-36-32 091H	North Reference:	Grid
Wellbore:	091H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL PVA	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
11,119.0	30.77	1.45	11,081.0	-363.6	-64.0	394,078.36	863,493.04	32.0791317	-103.2932127
11,212.0	39.56	0.22	11,156.9	-310.1	-63.2	394,131.86	863,493.76	32.0792787	-103.2932087
11,307.0	46.73	358.47	11,226.2	-245.2	-64.0	394,196.77	863,492.95	32.0794571	-103.2932093
11,370.0	53.30	358.10	11,266.7	-197.0	-65.5	394,244.98	863,491.50	32.0795897	-103.2932125
NMNM137470 Exit at 11370.0 MD									
11,401.0	56.53	357.94	11,284.5	-171.7	-66.4	394,270.34	863,490.62	32.0796594	-103.2932145
11,483.0	65.18	355.71	11,324.4	-100.2	-70.4	394,341.77	863,486.61	32.0798558	-103.2932252
HL Entry at 11483.0 MD									
11,496.0	66.55	355.39	11,329.7	-88.4	-71.3	394,353.60	863,485.69	32.0798884	-103.2932279
11,518.0	68.29	355.45	11,338.1	-68.2	-72.9	394,373.80	863,484.07	32.0799440	-103.2932324
00-FTP-785FWL(RB-091H)									
11,590.0	73.98	355.65	11,361.4	-0.3	-78.2	394,441.75	863,478.78	32.0801308	-103.2932474
11,684.0	84.13	357.67	11,379.2	91.8	-83.6	394,533.75	863,473.44	32.0803839	-103.2932618
11,778.0	88.35	359.17	11,385.4	185.5	-86.1	394,627.49	863,470.86	32.0806416	-103.2932672
11,872.0	92.09	1.28	11,385.0	279.5	-85.8	394,721.47	863,471.23	32.0808999	-103.2932631
11,966.0	90.33	3.30	11,383.1	373.4	-82.0	394,815.37	863,474.98	32.0811578	-103.2932480
12,061.0	88.26	2.07	11,384.2	468.2	-77.6	394,910.25	863,479.43	32.0814185	-103.2932307
12,156.0	89.05	0.84	11,386.5	563.2	-75.2	395,005.19	863,481.84	32.0816794	-103.2932200
EOC @ 12156									
12,250.0	91.08	359.61	11,386.4	657.2	-74.8	395,099.18	863,482.21	32.0819377	-103.2932158
12,346.0	90.64	359.87	11,384.9	753.2	-75.2	395,195.17	863,481.78	32.0822015	-103.2932143
12,440.0	90.37	359.52	11,384.1	847.2	-75.7	395,289.16	863,481.28	32.0824599	-103.2932130
12,491.8	89.54	359.33	11,384.1	899.0	-76.2	395,340.95	863,480.76	32.0826023	-103.2932130
01-T01-01(RB-091H)									
12,535.0	88.84	359.17	11,384.7	942.2	-76.8	395,384.15	863,480.19	32.0827210	-103.2932135
12,630.0	92.35	359.61	11,383.8	1,037.1	-77.8	395,479.13	863,479.18	32.0829821	-103.2932138
12,722.0	90.86	0.93	11,381.2	1,129.1	-77.4	395,571.08	863,479.61	32.0832348	-103.2932096
12,815.0	89.19	2.86	11,381.1	1,222.0	-74.3	395,664.03	863,482.69	32.0834902	-103.2931967
12,910.0	89.05	4.35	11,382.6	1,316.8	-68.3	395,758.82	863,488.66	32.0837506	-103.2931745
13,004.0	86.37	2.86	11,386.4	1,410.6	-62.4	395,852.55	863,494.57	32.0840080	-103.2931525
13,099.0	87.16	1.98	11,391.7	1,505.3	-58.4	395,947.31	863,498.57	32.0842684	-103.2931366
13,120.0	87.47	1.72	11,392.7	1,526.3	-57.7	395,968.28	863,499.25	32.0843260	-103.2931338
13,214.0	88.62	1.28	11,395.9	1,620.2	-55.3	396,062.19	863,501.71	32.0845840	-103.2931229
13,309.0	88.40	1.63	11,398.4	1,715.1	-52.9	396,157.13	863,504.12	32.0848449	-103.2931122
13,404.0	89.32	0.75	11,400.3	1,810.1	-50.9	396,252.09	863,506.09	32.0851059	-103.2931029
13,492.7	89.69	358.93	11,401.0	1,898.8	-51.2	396,340.76	863,505.84	32.0853496	-103.2931009
02-T02-02(RB-091H)									
13,498.0	89.71	358.82	11,401.1	1,904.1	-51.3	396,346.08	863,505.74	32.0853642	-103.2931011
13,592.0	90.02	358.29	11,401.3	1,998.0	-53.6	396,440.05	863,503.37	32.0856225	-103.2931058
13,687.0	89.36	357.41	11,401.8	2,093.0	-57.2	396,534.98	863,499.81	32.0858835	-103.2931144
13,781.0	90.15	356.88	11,402.2	2,186.9	-61.9	396,628.86	863,495.12	32.0861417	-103.2931265
13,876.0	93.49	357.32	11,399.2	2,281.7	-66.7	396,723.68	863,490.32	32.0864024	-103.2931391
13,971.0	93.67	356.97	11,393.2	2,376.4	-71.4	396,818.37	863,485.60	32.0866628	-103.2931514
14,064.0	91.74	358.11	11,388.9	2,469.2	-75.4	396,911.18	863,481.61	32.0869180	-103.2931614
14,159.0	88.79	356.53	11,388.4	2,564.1	-79.8	397,006.06	863,477.17	32.0871789	-103.2931728
14,254.0	90.73	358.11	11,388.8	2,658.9	-84.3	397,100.95	863,472.73	32.0874398	-103.2931841
14,349.0	90.29	358.82	11,388.0	2,753.9	-86.8	397,195.91	863,470.18	32.0877009	-103.2931894
14,445.0	90.46	359.87	11,387.3	2,849.9	-87.9	397,291.90	863,469.09	32.0879648	-103.2931900
14,493.7	89.94	359.82	11,387.2	2,898.6	-88.0	397,340.56	863,468.96	32.0880985	-103.2931889
03-T03-03(RB-091H)									
14,540.0	89.45	359.78	11,387.4	2,944.9	-88.2	397,386.90	863,468.80	32.0882259	-103.2931879
14,634.0	90.37	359.96	11,387.6	3,038.9	-88.4	397,480.90	863,468.58	32.0884842	-103.2931857
14,729.0	90.68	359.96	11,386.7	3,133.9	-88.5	397,575.89	863,468.52	32.0887453	-103.2931830
14,823.0	89.58	359.43	11,386.5	3,227.9	-89.0	397,669.89	863,468.02	32.0890037	-103.2931816



American Resource Development LLC.

Survey Report - Geographic

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Project:	Lea County, NM (N83-NME)	TVD Reference:	3009+27 @ 3036.0usft
Site:	Red Bud_Holly	MD Reference:	3009+27 @ 3036.0usft
Well:	Red Bud Fed Com 25-36-32 091H	North Reference:	Grid
Wellbore:	091H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL PVA	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
14,917.0	88.66	358.90	11,387.9	3,321.9	-90.4	397,763.87	863,466.65	32.0892620	-103.2931831
15,013.0	89.32	358.99	11,389.6	3,417.8	-92.1	397,859.83	863,464.88	32.0895259	-103.2931859
15,107.0	88.75	358.99	11,391.2	3,511.8	-93.8	397,953.81	863,463.22	32.0897842	-103.2931883
15,202.0	89.45	359.78	11,392.7	3,606.8	-94.8	398,048.79	863,462.20	32.0900453	-103.2931886
15,296.0	91.03	0.49	11,392.3	3,700.8	-94.6	398,142.78	863,462.42	32.0903036	-103.2931850
15,390.0	91.91	0.75	11,389.9	3,794.7	-93.6	398,236.74	863,463.44	32.0905618	-103.2931788
15,486.0	90.64	1.54	11,387.8	3,890.7	-91.6	398,332.70	863,465.36	32.0908255	-103.2931696
15,494.0	90.66	1.60	11,387.7	3,898.7	-91.4	398,340.67	863,465.58	32.0908474	-103.2931686
04-T04-04(RB-091H)									
15,580.0	90.90	2.24	11,386.5	3,984.6	-88.5	398,426.64	863,468.46	32.0910836	-103.2931567
15,675.0	87.56	2.24	11,387.8	4,079.5	-84.8	398,521.54	863,472.17	32.0913444	-103.2931417
15,770.0	83.56	2.60	11,395.1	4,174.2	-80.8	398,616.16	863,476.17	32.0916043	-103.2931259
15,866.0	84.09	2.16	11,405.4	4,269.5	-76.9	398,711.52	863,480.13	32.0918663	-103.2931101
15,964.0	79.34	357.32	11,419.6	4,366.4	-77.3	398,808.43	863,479.72	32.0921327	-103.2931084
16,058.0	88.97	358.47	11,429.1	4,459.8	-80.7	398,901.77	863,476.29	32.0923893	-103.2931166
16,154.0	90.46	358.47	11,429.6	4,555.7	-83.3	398,997.73	863,473.73	32.0926531	-103.2931218
16,246.0	92.66	359.08	11,427.1	4,647.7	-85.2	399,089.67	863,471.76	32.0929059	-103.2931253
16,339.0	93.58	359.26	11,422.0	4,740.5	-86.6	399,182.52	863,470.42	32.0931611	-103.2931268
16,434.0	94.42	359.34	11,415.4	4,835.3	-87.7	399,277.28	863,469.26	32.0934216	-103.2931276
16,498.4	94.00	359.22	11,410.7	4,899.5	-88.5	399,341.47	863,468.46	32.0935981	-103.2931282
05-T05-05(RB-091H)									
16,529.0	93.80	359.17	11,408.6	4,930.0	-89.0	399,372.03	863,468.03	32.0936821	-103.2931286
16,623.0	94.29	358.90	11,402.0	5,023.8	-90.5	399,465.78	863,466.45	32.0939398	-103.2931308
16,717.0	94.33	359.43	11,394.9	5,117.5	-91.9	399,559.51	863,465.08	32.0941974	-103.2931323
16,812.0	93.67	0.22	11,388.3	5,212.3	-92.2	399,654.27	863,464.80	32.0944579	-103.2931302
16,906.0	93.45	0.49	11,382.4	5,306.1	-91.6	399,748.09	863,465.38	32.0947157	-103.2931254
17,000.0	93.27	359.96	11,376.9	5,399.9	-91.3	399,841.93	863,465.75	32.0949736	-103.2931213
17,094.0	91.69	359.96	11,372.9	5,493.8	-91.3	399,935.84	863,465.68	32.0952317	-103.2931186
17,189.0	89.67	0.31	11,371.7	5,588.8	-91.1	400,030.82	863,465.90	32.0954928	-103.2931149
17,284.0	88.84	0.84	11,373.0	5,683.8	-90.1	400,125.81	863,466.86	32.0957539	-103.2931089
17,378.0	89.63	359.43	11,374.2	5,777.8	-89.9	400,219.80	863,467.08	32.0960122	-103.2931053
17,472.0	89.36	359.43	11,375.1	5,871.8	-90.9	400,313.79	863,466.14	32.0962705	-103.2931053
17,498.4	89.64	359.51	11,375.3	5,898.2	-91.1	400,340.16	863,465.90	32.0963430	-103.2931053
06-T06-06(RB-091H)									
17,565.0	90.33	359.70	11,375.3	5,964.8	-91.6	400,406.79	863,465.44	32.0965262	-103.2931047
17,660.0	90.86	359.26	11,374.3	6,059.8	-92.4	400,501.78	863,464.57	32.0967873	-103.2931046
17,755.0	91.87	359.96	11,372.1	6,154.7	-93.1	400,596.75	863,463.93	32.0970483	-103.2931037
17,850.0	91.96	0.66	11,368.9	6,249.7	-92.6	400,691.69	863,464.44	32.0973093	-103.2930991
17,945.0	93.10	0.75	11,364.7	6,344.6	-91.4	400,786.59	863,465.61	32.0975700	-103.2930923
18,039.0	90.51	359.78	11,361.7	6,438.5	-91.0	400,880.53	863,466.04	32.0978282	-103.2930880
18,134.0	90.95	358.99	11,360.5	6,533.5	-92.0	400,975.52	863,465.02	32.0980893	-103.2930883
18,229.0	90.37	358.90	11,359.4	6,628.5	-93.7	401,070.50	863,463.28	32.0983504	-103.2930910
18,323.0	89.71	358.55	11,359.4	6,722.5	-95.8	401,164.47	863,461.18	32.0986088	-103.2930949
18,416.0	90.02	358.82	11,359.6	6,815.4	-97.9	401,257.45	863,459.05	32.0988644	-103.2930989
18,498.7	89.83	358.82	11,359.7	6,898.1	-99.7	401,340.11	863,457.35	32.0990916	-103.2931018
07-T07-07(RB-091H)									
18,511.0	89.80	358.82	11,359.7	6,910.4	-99.9	401,352.43	863,457.09	32.0991255	-103.2931022
18,606.0	90.64	358.82	11,359.4	7,005.4	-101.9	401,447.40	863,455.14	32.0993866	-103.2931056
18,700.0	90.42	359.34	11,358.5	7,099.4	-103.4	401,541.39	863,453.63	32.0996449	-103.2931075
18,795.0	90.64	358.82	11,357.6	7,194.4	-104.9	401,636.37	863,452.10	32.0999060	-103.2931095
18,889.0	89.85	359.17	11,357.2	7,288.4	-106.5	401,730.36	863,450.45	32.1001644	-103.2931119
18,984.0	90.86	358.73	11,356.6	7,383.3	-108.3	401,825.34	863,448.71	32.1004255	-103.2931145
19,077.0	90.11	358.64	11,355.8	7,476.3	-110.4	401,918.31	863,446.58	32.1006811	-103.2931185
19,172.0	87.87	358.20	11,357.5	7,571.3	-113.0	402,013.25	863,443.96	32.1009421	-103.2931240



American Resource Development LLC.

Survey Report - Geographic

Company:	Ameredev Operating	Local Co-ordinate Reference:	Well Red Bud Fed Com 25-36-32 091H
Project:	Lea County, NM (N83-NME)	TVD Reference:	3009+27 @ 3036.0usft
Site:	Red Bud_Holly	MD Reference:	3009+27 @ 3036.0usft
Well:	Red Bud Fed Com 25-36-32 091H	North Reference:	Grid
Wellbore:	091H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL PVA	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
19,265.0	88.22	358.11	11,360.7	7,664.1	-116.0	402,106.15	863,440.97	32.1011975	-103.2931308
19,359.0	89.23	358.20	11,362.8	7,758.1	-119.1	402,200.07	863,437.94	32.1014558	-103.2931376
19,455.0	89.85	358.29	11,363.6	7,854.0	-122.0	402,296.03	863,435.00	32.1017196	-103.2931441
19,498.6	90.01	358.74	11,363.6	7,897.6	-123.1	402,339.60	863,433.87	32.1018393	-103.2931464
08-T08-08(RB-091H)									
19,550.0	90.20	359.26	11,363.5	7,949.0	-124.0	402,391.00	863,432.97	32.1019807	-103.2931477
19,645.0	90.51	358.29	11,362.9	8,044.0	-126.1	402,485.98	863,430.94	32.1022418	-103.2931513
19,740.0	89.80	358.90	11,362.7	8,138.9	-128.4	402,580.95	863,428.61	32.1025028	-103.2931559
19,835.0	89.93	358.90	11,362.9	8,233.9	-130.2	402,675.93	863,426.79	32.1027639	-103.2931588
19,929.0	91.12	359.08	11,362.0	8,327.9	-131.9	402,769.91	863,425.13	32.1030223	-103.2931613
20,023.0	90.90	0.22	11,360.4	8,421.9	-132.4	402,863.89	863,424.56	32.1032806	-103.2931602
20,118.0	90.15	0.49	11,359.5	8,516.9	-131.9	402,958.89	863,425.14	32.1035417	-103.2931553
20,213.0	88.88	0.49	11,360.3	8,611.9	-131.0	403,053.88	863,425.96	32.1038028	-103.2931497
20,308.0	89.85	0.93	11,361.4	8,706.9	-129.9	403,148.86	863,427.13	32.1040638	-103.2931430
20,403.0	88.48	1.28	11,362.7	8,801.8	-128.0	403,243.83	863,428.97	32.1043248	-103.2931341
20,495.0	88.48	0.84	11,365.2	8,893.8	-126.3	403,335.78	863,430.67	32.1045775	-103.2931257
20,498.6	88.49	0.83	11,365.3	8,897.4	-126.3	403,339.40	863,430.72	32.1045874	-103.2931255
09-T09-09(RB-091H)									
20,590.0	88.62	0.57	11,367.6	8,988.7	-125.2	403,430.75	863,431.84	32.1048384	-103.2931190
20,683.0	89.05	0.49	11,369.5	9,081.7	-124.3	403,523.72	863,432.70	32.1050939	-103.2931133
20,777.0	89.71	0.31	11,370.5	9,175.7	-123.6	403,617.71	863,433.35	32.1053523	-103.2931083
20,872.0	90.07	0.66	11,370.7	9,270.7	-122.8	403,712.71	863,434.16	32.1056133	-103.2931027
20,967.0	91.08	0.31	11,369.7	9,365.7	-122.0	403,807.70	863,434.96	32.1058744	-103.2930972
21,062.0	89.49	359.70	11,369.3	9,460.7	-122.0	403,902.70	863,434.97	32.1061355	-103.2930942
21,156.0	89.58	359.34	11,370.0	9,554.7	-122.8	403,996.69	863,434.18	32.1063939	-103.2930938
21,251.0	91.74	0.13	11,368.9	9,649.7	-123.3	404,091.68	863,433.74	32.1066549	-103.2930923
21,346.0	91.43	359.70	11,366.3	9,744.6	-123.4	404,186.64	863,433.60	32.1069160	-103.2930898
21,440.0	92.35	359.52	11,363.2	9,838.6	-124.0	404,280.58	863,432.96	32.1071742	-103.2930889
21,498.6	93.30	359.74	11,360.3	9,897.1	-124.4	404,339.10	863,432.58	32.1073350	-103.2930883
10-T10-10(RB-091H)									
21,535.0	93.89	359.87	11,358.0	9,933.4	-124.5	404,375.44	863,432.46	32.1074349	-103.2930876
21,630.0	95.47	0.22	11,350.3	10,028.1	-124.5	404,470.12	863,432.53	32.1076951	-103.2930844
21,724.0	96.44	0.66	11,340.5	10,121.6	-123.8	404,563.61	863,433.25	32.1079521	-103.2930792
21,849.0	97.58	1.01	11,325.3	10,245.7	-121.9	404,687.66	863,435.06	32.1082930	-103.2930694
21,858.3	97.58	1.01	11,324.0	10,254.9	-121.8	404,696.92	863,435.22	32.1083184	-103.2930686
11-LTP-785FWL(RB-091H)									
21,864.0	97.58	1.01	11,323.3	10,260.5	-121.7	404,702.53	863,435.32	32.1083338	-103.2930681
HL Exit at 21864.0 MD									
21,907.9	97.58	1.01	11,317.5	10,304.1	-120.9	404,746.05	863,436.08	32.1084534	-103.2930643
12-PBHL-785FWL(RB-091H)									
21,912.0	97.58	1.01	11,317.0	10,308.1	-120.8	404,750.10	863,436.16	32.1084646	-103.2930639

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
3312	3308	-100	9	HL Exit at 3312.0 MD
4278	4269	-197	-20	NMNM137470 Entry at 4278.0 MD
10,836	10,812	-434	-45	KOP @ 10836
11,370	11,267	-197	-65	NMNM137470 Exit at 11370.0 MD
11,483	11,324	-100	-70	HL Entry at 11483.0 MD
12,156	11,386	563	-75	EOC @ 12156
21,864	11,323	10,261	-122	HL Exit at 21864.0 MD



American Resource Development LLC.

Survey Report - Geographic

Company:	Ameredev Operating	Local Co-ordinate Reference:	Well Red Bud Fed Com 25-36-32 091H
Project:	Lea County, NM (N83-NME)	TVD Reference:	3009+27 @ 3036.0usft
Site:	Red Bud_Holly	MD Reference:	3009+27 @ 3036.0usft
Well:	Red Bud Fed Com 25-36-32 091H	North Reference:	Grid
Wellbore:	091H	Survey Calculation Method:	Minimum Curvature
Design:	FINAL PVA	Database:	AUS-COMPASS - EDM_15 - 32bit

Checked By: _____	Approved By: _____	Date: _____
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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

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. 30-025-49253
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. NMNM138913
3. Address of Operator 2901 VIA FORTUNA, SUITE 600 AUSTIN, TX 78746		7. Lease Name or Unit Agreement Name RED BUD 25 36 32 FEDERAL COM
4. Well Location Unit Letter <u>M</u> : <u>200</u> feet from the <u>SOUTH</u> line and <u>830</u> feet from the <u>WEST</u> line Section <u>32</u> Township <u>25-S</u> Range <u>36-E</u> NMPM County <u>LEA</u>		8. Well Number 091H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,009' GL / 3,042' RKB		9. OGRID Number 372224
		10. Pool name or Wildcat Lwr Bone Spring

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: 10/27/2021

RIG RELEASED: 5/15/2022

7/13/2022 Begin perf and frac

8/18/2022 Finish 72 stages perf and frac, 11,552' - 21,832', 0.49, 4320, 28,795,500 LBS PROPPANT / 770,430 BBLS FLUIDS

9/26/2022 Drilled out plugs and clean out wellbore

9/28/2022 Test Void to 9500 psi, seals & flanges to 10,000 psi

9/30/2022 Opened well to flowback - Date of First Production

Spud Date:

10/27/2021

Rig Release Date:

5/15/2022

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 1/12/2023

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. 30-025-49253

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

3. State Oil & Gas Lease No.
NMNM138913

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
RED BUD 25 36 32 FEDERAL COM

6. Well Number:
091H

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
Lwr Bone Spring

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	32	25-S	36-E	-	200	SOUTH	830	WEST	LEA
BH:	D	29	25-S	36-E	-	52	NORTH	810	WEST	LEA

13. Date Spudded 10/27/2021	14. Date T.D. Reached 5/12/2022	15. Date Rig Released 5/15/2022	16. Date Completed (Ready to Produce) 9/29/2022	17. Elevations (DF and RKB, RT, GR, etc.) 3,009' GL / 3,042' RKB
--------------------------------	------------------------------------	------------------------------------	--	---

18. Total Measured Depth of Well 21,912'	19. Plug Back Measured Depth 21,870'	20. Was Directional Survey Made? YES	21. Type Electric and Other Logs Run MWD - API GAMMA RAY
---	---	---	---

22. Producing Interval(s), of this completion - Top, Bottom, Name
11,552' - 21,832' Bone Spring

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#	1,288'	17.5"	949 / 328	
7.625" HC L-80 BTC	29.7#	10,808'	9.875"	1500 / 210	
5.5" RYSP110 / HP110	23#	21,870'	6.75"	595 / 1005	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2.875"	10,879'	10,873'

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

11,552' - 21,832', 0.49, 4320

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11,552' - 21,832'	28,795,500 LBS PROPPANT / 770,430 BBLs FLUIDS

23. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
9/30/2022	FLOWING	PRODUCING
Date of Test 10/25/2022	Hours Tested 24	Choke Size 64
Prod'n For Test Period	Oil - Bbl 1065	Gas - MCF 1975
Water - Bbl 2770	Gas - Oil Ratio 1854.460094	
Flow Tubing Press. 530	Casing Pressure 384	Calculated 24-Hour Rate 1065
Oil - Bbl 1065	Gas - MCF 1975	Water - Bbl 2770
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 1/12/2023
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 _____ 8162	T. Todilto _____	
T. Abo _____	T. _____	T. Entrada _____	
T. Wolfcamp _____	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	1,014	1014	Anhydrite				
1014	1,460	446	Salt				
1460	3,163	1704	Limestone				
3163	3,733	570	Limestone				
3733	5,059	1326	Limestone				
5059	5,178	119	Limestone				
5178	7,122	1943	Sandstone				
7122	8,162	1040	Sandstone				
8162	9,542	1380	Limestone				
9542	10,069	527	Sandstone				
10069	10,682	613	Sandstone				
10682	11,289	608	Limestone				
11289	0	-11289	Sandstone				
0	TD		Shale				

Released to Imaging: 11/3/2025 1:43:51 PM

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 175457

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 175457
	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.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 175457

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 175457
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days of BLM approval.	11/3/2025