

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

Form C-104
Revised August 1, 2011
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 30-025-46656	⁵ Pool Name WC-025 G-08 S263620C: LWR BONE SPRING	⁶ Pool Code 98150
⁷ Property Code 326326	⁸ Property Name HOLLY FED COM 26 36 05	⁹ Well Number 091H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
D	5	26-S	36-E	-	230'	NORTH	740'	WEST	LEA

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
LEA	8	26-S	36-E	-	50'	SOUTH	471'	WEST	LEA
¹² Lse Code	¹³ Producing Method Code F	¹⁴ Gas Connection Date 4/27/2021	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
35103/371677	SUNOCO PARTNERS MARKETING & TERMINALS L.P. (35103) 1735 MARKET STREET, SUITE LL PHILADELPHIA, PA 19103 MIDCON GATHERING, LLC (371677) 4295 SAN FELIPE ST. HOUSTON, TX 79027	O
38785/267255	DCP OPERATING COMPANY, LP (38785) 370 17TH ST. STE. 2500 DENVER, CO 80202 ENERGY TRANSFER PARTNERS, LP (267255) 8111 WESTCHESTER DR. DALLAS, TX 75225	G
703107	LUCID ENERGY DELAWARE, LLC (703107) 3100 MCKINNON ST. STE. 800 DALLAS, TX 75201	G
372224	AMEREDEV OPERATING, LLC 2901 VIA FORTUNA, SUITE 600 AUSTIN, TX 78746	W

IV. Well Completion Data

²¹ Spud Date 2/6/2020	²² Ready Date 4/26/2021	²³ TD 22139'	²⁴ PBTD 22088'	²⁵ Perforations 11710' - 22087'	²⁶ DHC, MC N/A
²⁷ Hole Size	²⁸ Casing and Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375" J55	1195'	1225		
12.25" / 9.875"	7.625" HCL80	11607'	900/870		
6.75"	5.5" RYS110	22110'	430/950		
	2.875"	10580'			

V. Well Test Data

³¹ Date New Oil 4/28/2021	³² Gas Delivery Date 4/28/2021	³³ Test Date 6/8/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure 743	³⁶ Csg. Pressure 745
³⁷ Choke Size 128	³⁸ Oil 1578	³⁹ Water 4523	⁴⁰ Gas 1985		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: 			OIL CONSERVATION DIVISION		
Printed Name: Shane McNeely			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Engineer			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address: smcneely@ameredevelop.com			Approval Date: <i>11/19/2021</i>		
Date: 6/18/2021		Phone: 737-300-4700			

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 30-025-46656	² Pool Code 98150	³ Pool Name WC-025 G-08 S263620C; LWR BONE SPRING
⁴ Property Code 326326	⁵ Property Name HOLLY FED COM 26 36 05	⁶ Well Number 091H
⁷ OGRID No. 372224	⁸ Operator Name AMEREDEV OPERATING, LLC.	⁹ Elevation 3002'

¹⁰Surface Location

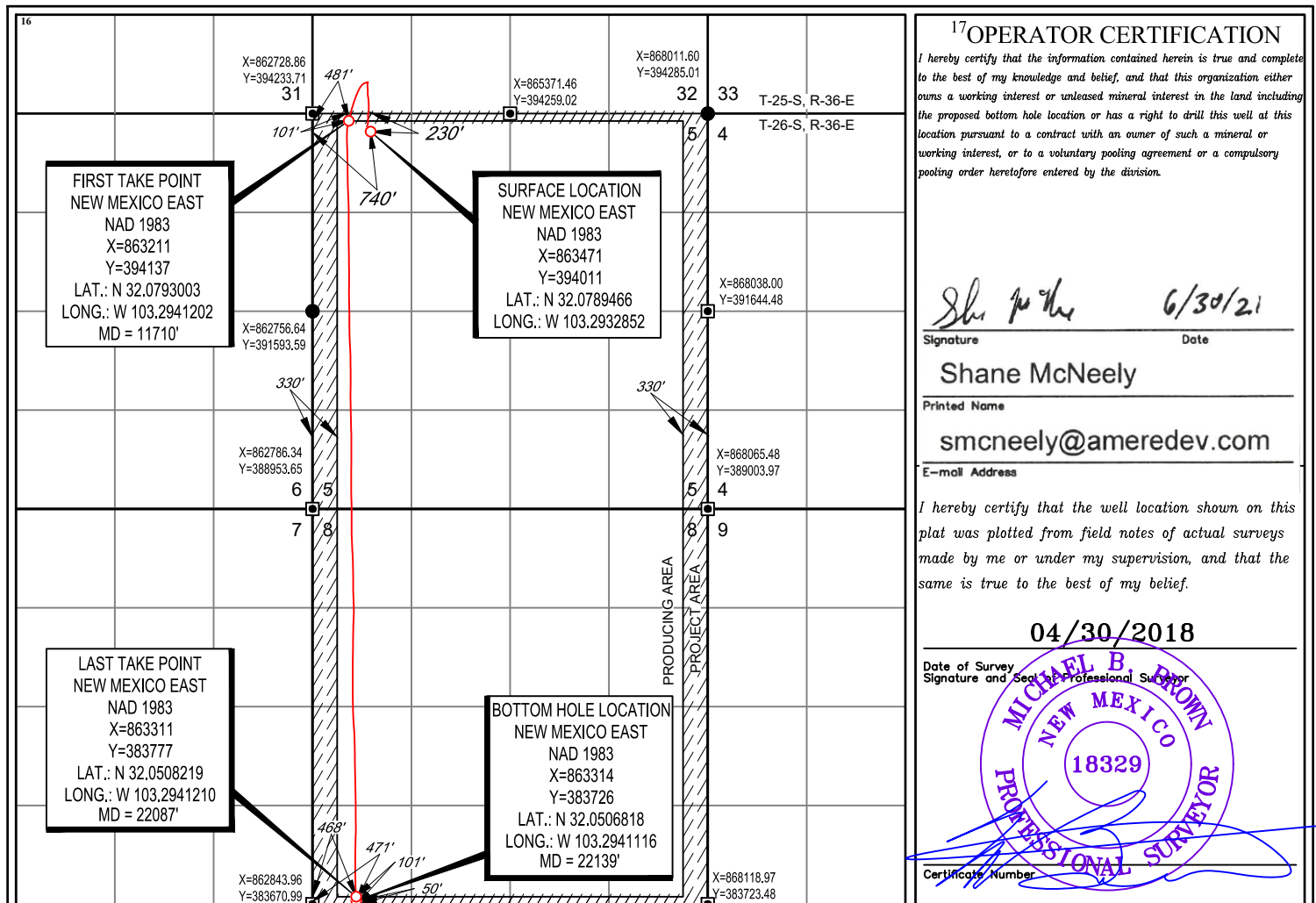
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	5	26-S	36-E	-	230'	NORTH	740'	WEST	LEA

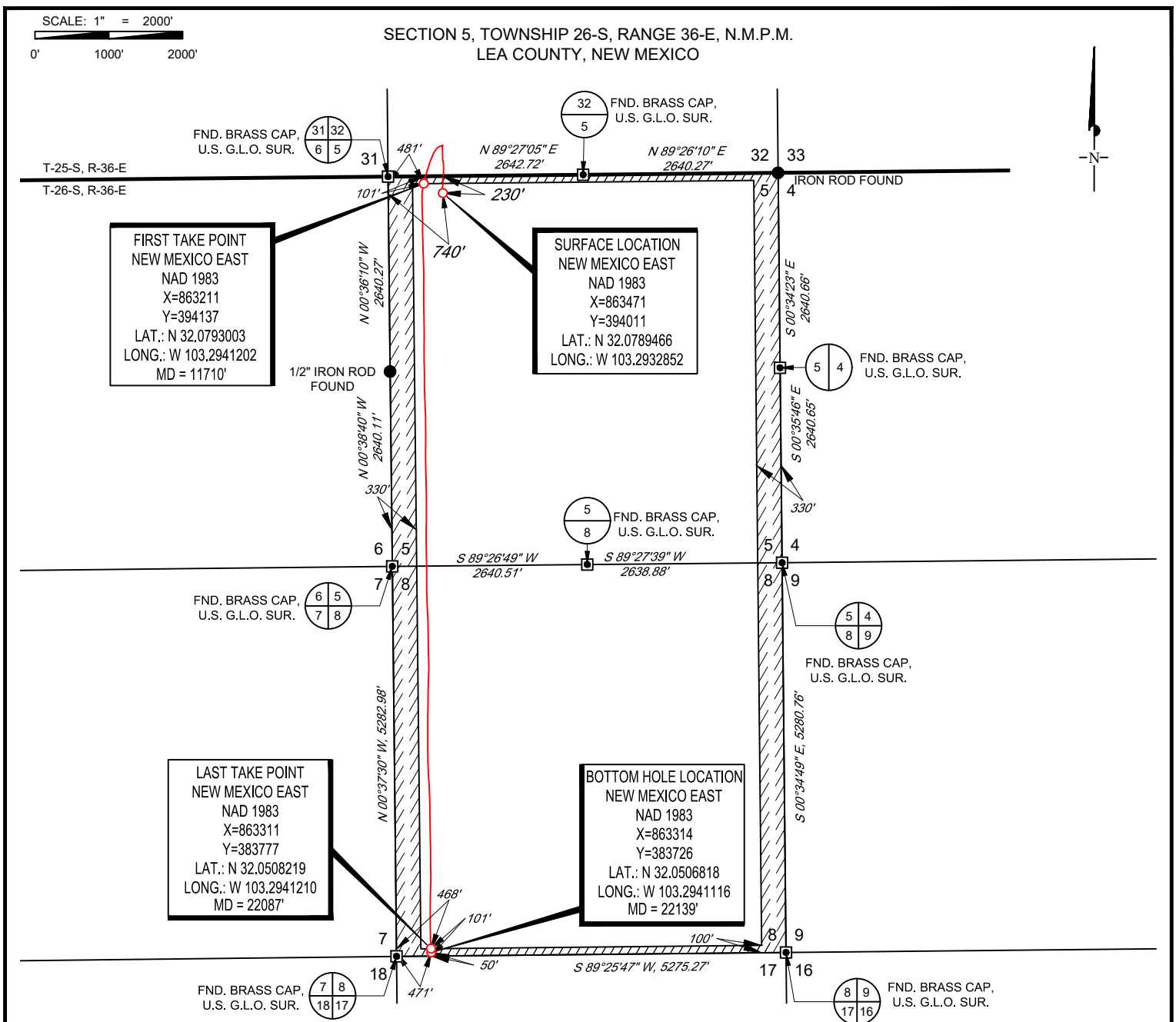
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	8	26-S	36-E	-	50'	SOUTH	471'	WEST	LEA

¹² Dedicated Acres 320	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

HOLLY FED COM 26 36 05 091H AS-DRILLED DATE: 05/06/21 FILE: AD_HOLLY_FED_COM_26_36_05_091H DRAWN BY: EAH SHEET: 1 OF 1	REVISION:	NOTES: 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.
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Ameredev Operating, LLC.

RB/HOL

RB/HOL #2S

Holly 091H

Final Surveys

Design: Final Surveys

Standard Survey Report

21 July, 2021



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Project	RB/HOL		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		RB/HOL #2S			
Site Position:		Northing:	394,010.44 usft	Latitude:	32° 4' 44.208 N
From:	Lat/Long	Easting:	863,431.24 usft	Longitude:	103° 17' 36.291 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.55 °

Well	Holly 091H					
Well Position	+N/-S	0.0 usft	Northing:	394,010.82 usft	Latitude:	32° 4' 44.208 N
	+E/-W	0.0 usft	Easting:	863,471.26 usft	Longitude:	103° 17' 35.826 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,002.0 usft

Wellbore	Final Surveys				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/27/2020	6.51	59.94	47,598.35078365

Design	Final Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	180.87	

Survey Program	Date	3/27/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
175.0	22,139.0	Survey #1 (Final Surveys)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.19	147.15	100.0	-0.1	0.1	0.1	0.19	0.19	0.00	
200.0	0.30	159.92	200.0	-0.6	0.3	0.6	0.12	0.11	12.77	
300.0	0.71	199.52	300.0	-1.3	0.2	1.3	0.52	0.41	39.60	
400.0	0.56	233.03	400.0	-2.4	-0.4	2.4	0.39	-0.15	33.50	
500.0	0.55	251.81	500.0	-2.7	-1.3	2.7	0.18	-0.02	18.79	
600.0	0.73	276.38	600.0	-2.8	-2.3	2.9	0.33	0.18	24.57	
700.0	1.02	279.12	700.0	-2.6	-3.8	2.7	0.29	0.29	2.73	
800.0	1.45	270.78	799.9	-2.5	-5.9	2.5	0.46	0.43	-8.34	
900.0	2.10	266.42	899.9	-2.5	-9.2	2.7	0.67	0.65	-4.35	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,000.0	1.88	261.87	999.8	-3.0	-12.6	3.2	0.27	-0.22	-4.55	
1,100.0	1.58	263.81	1,099.8	-3.3	-15.6	3.5	0.30	-0.29	1.94	
1,200.0	1.77	269.21	1,199.7	-3.5	-18.5	3.7	0.24	0.18	5.40	
1,300.0	2.00	272.02	1,299.7	-3.4	-21.8	3.7	0.25	0.23	2.81	
1,400.0	1.47	274.17	1,399.6	-3.2	-24.9	3.6	0.54	-0.53	2.15	
1,500.0	0.31	239.80	1,499.6	-3.2	-26.5	3.7	1.23	-1.16	-34.38	
1,600.0	0.44	217.58	1,599.6	-3.7	-26.8	4.1	0.19	0.13	-22.21	
1,700.0	0.81	1.06	1,699.6	-3.3	-27.1	3.8	1.19	0.37	143.47	
1,800.0	1.76	20.17	1,799.6	-1.2	-26.5	1.6	1.03	0.95	19.11	
1,900.0	1.83	17.97	1,899.5	1.8	-25.5	-1.4	0.10	0.07	-2.20	
2,000.0	2.07	22.81	1,999.5	5.0	-24.3	-4.6	0.29	0.23	4.84	
2,100.0	2.38	21.40	2,099.4	8.5	-22.7	-8.2	0.32	0.31	-1.42	
2,200.0	2.79	3.33	2,199.3	12.9	-21.9	-12.5	0.91	0.41	-18.06	
2,300.0	3.43	1.99	2,299.2	18.4	-21.7	-18.0	0.64	0.63	-1.34	
2,400.0	4.31	8.01	2,398.9	24.8	-21.3	-24.5	0.97	0.89	6.02	
2,500.0	5.76	14.11	2,498.5	33.5	-19.4	-33.2	1.54	1.45	6.10	
2,600.0	6.31	16.58	2,598.0	43.9	-16.6	-43.6	0.61	0.55	2.47	
2,700.0	6.41	19.25	2,697.4	54.4	-13.2	-54.2	0.31	0.10	2.67	
2,800.0	6.72	17.49	2,796.7	65.1	-9.5	-65.0	0.37	0.31	-1.77	
2,900.0	6.90	13.18	2,896.0	76.6	-6.3	-76.5	0.54	0.18	-4.31	
3,000.0	6.45	14.50	2,995.3	88.1	-3.6	-88.0	0.47	-0.45	1.32	
3,100.0	6.03	9.81	3,094.7	98.6	-1.2	-98.6	0.66	-0.42	-4.68	
3,200.0	5.93	0.61	3,194.2	108.9	-0.2	-108.9	0.96	-0.10	-9.20	
3,300.0	5.64	1.27	3,293.7	119.0	-0.2	-119.0	0.30	-0.29	0.65	
3,400.0	5.30	1.63	3,393.2	128.6	0.1	-128.5	0.34	-0.34	0.36	
3,500.0	5.61	0.74	3,492.8	138.0	0.3	-138.0	0.32	0.31	-0.89	
3,600.0	6.20	357.68	3,592.2	148.3	0.1	-148.3	0.67	0.59	-3.06	
3,700.0	7.16	357.45	3,691.5	160.0	-0.4	-160.0	0.96	0.96	-0.24	
3,800.0	6.99	359.16	3,790.8	172.4	-0.8	-172.4	0.27	-0.16	1.72	
3,900.0	6.62	1.89	3,890.1	184.2	-0.6	-184.2	0.50	-0.38	2.73	
4,000.0	6.41	3.25	3,989.4	195.5	-0.2	-195.5	0.26	-0.21	1.37	
4,100.0	6.33	6.05	4,088.8	206.6	0.7	-206.6	0.32	-0.07	2.80	
4,200.0	6.19	6.98	4,188.2	217.4	2.0	-217.4	0.18	-0.14	0.93	
4,300.0	6.03	6.21	4,287.6	228.0	3.3	-228.0	0.18	-0.15	-0.77	
4,400.0	5.82	6.05	4,387.1	238.3	4.3	-238.3	0.22	-0.22	-0.16	
4,500.0	5.55	8.82	4,486.6	248.1	5.5	-248.2	0.38	-0.27	2.77	
4,600.0	5.38	9.62	4,586.2	257.5	7.2	-257.5	0.18	-0.17	0.80	
4,700.0	5.41	4.11	4,685.7	266.7	8.4	-266.8	0.52	0.03	-5.52	
4,800.0	5.16	359.83	4,785.3	276.0	8.6	-276.1	0.47	-0.25	-4.27	
4,900.0	4.71	0.15	4,884.9	284.6	8.6	-284.7	0.45	-0.45	0.32	
5,000.0	4.82	0.75	4,984.6	292.9	8.7	-293.0	0.12	0.11	0.60	
5,100.0	5.11	359.60	5,084.2	301.5	8.7	-301.6	0.31	0.29	-1.15	
5,200.0	4.67	358.75	5,183.8	310.1	8.6	-310.1	0.45	-0.44	-0.85	
5,300.0	5.05	359.21	5,283.5	318.4	8.4	-318.5	0.38	0.38	0.46	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
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Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,400.0	7.12	1.01	5,382.9	329.1	8.5	-329.2	2.07	2.06	1.80	
5,500.0	7.94	359.66	5,482.0	342.3	8.6	-342.4	0.84	0.82	-1.35	
5,600.0	7.89	358.99	5,581.1	356.2	8.4	-356.3	0.10	-0.04	-0.67	
5,700.0	7.43	358.75	5,680.2	369.5	8.1	-369.5	0.47	-0.47	-0.24	
5,800.0	7.15	357.85	5,779.4	382.1	7.8	-382.2	0.30	-0.28	-0.89	
5,900.0	7.05	355.31	5,878.6	394.4	7.1	-394.5	0.33	-0.09	-2.54	
6,000.0	7.19	353.80	5,977.8	406.8	5.8	-406.8	0.23	0.14	-1.51	
6,100.0	7.20	352.64	6,077.0	419.2	4.4	-419.2	0.15	0.01	-1.16	
6,200.0	7.21	351.24	6,176.3	431.6	2.6	-431.6	0.18	0.00	-1.41	
6,300.0	7.34	350.31	6,275.5	444.1	0.6	-444.0	0.17	0.13	-0.93	
6,400.0	7.31	351.70	6,374.6	456.7	-1.5	-456.7	0.18	-0.02	1.39	
6,500.0	7.12	356.94	6,473.8	469.2	-2.8	-469.1	0.69	-0.19	5.23	
6,600.0	6.83	358.62	6,573.1	481.4	-3.2	-481.3	0.35	-0.29	1.68	
6,700.0	6.55	358.90	6,672.4	493.0	-3.4	-492.9	0.29	-0.28	0.28	
6,800.0	6.15	359.53	6,771.8	504.1	-3.6	-504.0	0.41	-0.40	0.63	
6,900.0	5.97	356.94	6,871.2	514.6	-3.9	-514.5	0.33	-0.18	-2.59	
7,000.0	5.45	359.48	6,970.7	524.6	-4.2	-524.5	0.58	-0.52	2.54	
7,100.0	4.85	359.58	7,070.3	533.6	-4.3	-533.4	0.60	-0.60	0.11	
7,200.0	4.32	358.93	7,170.0	541.5	-4.4	-541.4	0.53	-0.53	-0.65	
7,300.0	4.33	358.06	7,269.7	549.0	-4.6	-548.9	0.07	0.01	-0.87	
7,400.0	4.32	358.11	7,369.5	556.6	-4.9	-556.5	0.01	-0.01	0.05	
7,500.0	4.04	359.16	7,469.2	563.9	-5.0	-563.8	0.29	-0.28	1.05	
7,600.0	3.87	357.12	7,569.0	570.7	-5.1	-570.5	0.22	-0.17	-2.05	
7,700.0	4.26	354.03	7,668.7	577.7	-5.8	-577.5	0.45	0.39	-3.09	
7,800.0	4.34	355.04	7,768.4	585.3	-6.5	-585.2	0.11	0.08	1.01	
7,900.0	4.07	357.68	7,868.1	592.6	-7.1	-592.5	0.33	-0.27	2.63	
8,000.0	3.85	359.70	7,967.9	599.5	-7.2	-599.4	0.26	-0.22	2.03	
8,100.0	3.58	0.65	8,067.7	606.0	-7.1	-605.8	0.27	-0.26	0.95	
8,200.0	3.14	1.89	8,167.5	611.9	-7.0	-611.7	0.45	-0.44	1.24	
8,300.0	2.73	2.85	8,267.4	617.0	-6.8	-616.8	0.41	-0.41	0.96	
8,400.0	2.40	359.29	8,367.3	621.5	-6.7	-621.3	0.37	-0.33	-3.57	
8,500.0	2.28	356.17	8,467.2	625.5	-6.8	-625.4	0.17	-0.12	-3.11	
8,600.0	1.89	359.08	8,567.1	629.2	-7.0	-629.0	0.41	-0.39	2.91	
8,700.0	1.64	357.58	8,667.1	632.2	-7.1	-632.0	0.26	-0.25	-1.50	
8,800.0	1.48	350.73	8,767.1	634.9	-7.3	-634.8	0.24	-0.16	-6.85	
8,900.0	1.24	342.03	8,867.0	637.2	-7.9	-637.0	0.32	-0.24	-8.70	
9,000.0	0.99	332.71	8,967.0	639.1	-8.6	-638.9	0.31	-0.25	-9.31	
9,100.0	0.88	309.35	9,067.0	640.2	-9.6	-640.0	0.39	-0.10	-23.37	
9,200.0	1.01	312.08	9,167.0	641.3	-10.9	-641.1	0.14	0.13	2.73	
9,300.0	0.26	332.36	9,267.0	642.4	-11.9	-642.1	0.78	-0.75	20.28	
9,400.0	0.91	125.92	9,367.0	641.9	-11.2	-641.7	1.15	0.65	153.56	
9,500.0	1.06	116.11	9,466.9	640.9	-9.6	-640.7	0.23	0.15	-9.82	
9,600.0	0.90	95.13	9,566.9	640.4	-8.0	-640.2	0.39	-0.16	-20.97	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,700.0	0.85	90.94	9,666.9	640.4	-6.5	-640.2	0.08	-0.05	-4.19
9,800.0	1.08	101.06	9,766.9	640.3	-4.9	-640.1	0.28	0.23	10.11
9,900.0	1.38	98.04	9,866.9	639.9	-2.8	-639.7	0.31	0.30	-3.02
10,000.0	1.12	66.44	9,966.9	640.0	-0.6	-639.9	0.72	-0.26	-31.60
10,100.0	0.35	90.08	10,066.9	640.5	0.6	-640.5	0.81	-0.77	23.64
10,200.0	0.34	246.93	10,166.9	640.4	0.7	-640.3	0.68	-0.01	156.85
10,300.0	0.70	275.38	10,266.8	640.3	-0.2	-640.2	0.43	0.36	28.45
10,400.0	1.21	277.09	10,366.8	640.5	-1.9	-640.4	0.51	0.51	1.70
10,485.0	1.63	276.58	10,451.8	640.8	-4.0	-640.6	0.50	0.50	-0.59
Holly 091H As Drilled KOP									
10,500.0	1.71	276.52	10,466.8	640.8	-4.4	-640.7	0.50	0.50	-0.42
10,600.0	2.63	269.56	10,566.7	641.1	-8.0	-641.0	0.96	0.92	-6.96
10,700.0	5.59	252.23	10,666.5	639.9	-14.3	-639.6	3.18	2.96	-17.32
10,800.0	11.64	254.96	10,765.3	634.9	-28.7	-634.4	6.06	6.05	2.73
10,900.0	15.60	242.93	10,862.8	628.5	-50.0	-627.7	4.86	3.97	-12.04
11,000.0	22.74	226.89	10,957.1	609.5	-76.6	-608.3	8.81	7.14	-16.04
11,100.0	29.64	213.58	11,047.1	575.7	-104.0	-574.0	9.02	6.90	-13.31
11,200.0	37.45	204.35	11,130.2	527.2	-130.7	-525.2	9.31	7.81	-9.23
11,300.0	46.58	201.70	11,204.6	465.8	-156.8	-463.4	9.30	9.14	-2.65
11,400.0	53.24	199.03	11,268.2	393.4	-183.3	-390.6	6.96	6.66	-2.67
11,500.0	60.29	196.94	11,323.8	314.3	-208.6	-311.1	7.27	7.05	-2.09
11,600.0	69.23	195.10	11,365.3	227.0	-233.4	-223.4	9.08	8.93	-1.84
11,700.0	72.00	194.17	11,398.4	135.8	-257.8	-131.9	2.91	2.78	-0.92
11,706.3	72.51	193.74	11,400.4	130.0	-259.2	-126.0	10.45	8.11	-6.92
Holly 091H As Drilled FTP									
11,800.0	80.20	187.49	11,421.9	40.5	-275.8	-36.3	10.45	8.21	-6.66
11,900.0	87.45	180.97	11,433.0	-58.5	-283.0	62.8	9.72	7.25	-6.52
12,000.0	91.86	178.31	11,432.9	-158.5	-281.6	162.8	5.15	4.41	-2.66
12,100.0	92.87	177.40	11,428.4	-258.3	-277.7	262.5	1.36	1.01	-0.91
12,200.0	92.66	179.56	11,423.5	-358.1	-274.8	362.3	2.17	-0.22	2.17
12,300.0	89.41	179.74	11,421.5	-458.1	-274.3	462.2	3.25	-3.24	0.18
12,400.0	89.65	179.19	11,422.4	-558.1	-273.4	562.2	0.60	0.24	-0.55
12,500.0	89.74	178.73	11,422.9	-658.1	-271.6	662.2	0.47	0.09	-0.46
12,600.0	89.84	178.19	11,423.3	-758.0	-268.9	762.1	0.55	0.10	-0.54
12,700.0	89.45	177.64	11,423.9	-858.0	-265.3	861.9	0.68	-0.39	-0.55
12,800.0	89.72	177.76	11,425.0	-957.9	-260.8	961.7	0.30	0.27	0.12
12,900.0	91.36	179.50	11,423.8	-1,057.8	-258.9	1,061.7	2.39	1.65	1.74
13,000.0	91.13	179.89	11,421.0	-1,157.8	-258.0	1,161.6	0.46	-0.24	0.39
13,100.0	89.40	180.75	11,421.0	-1,257.8	-259.0	1,261.6	1.93	-1.73	0.86
13,200.0	89.15	180.02	11,422.3	-1,357.8	-259.7	1,361.6	0.76	-0.25	-0.72
13,300.0	89.00	179.58	11,423.9	-1,457.8	-259.2	1,461.5	0.47	-0.15	-0.44
13,400.0	88.50	178.92	11,426.0	-1,557.7	-258.2	1,561.5	0.83	-0.50	-0.66
13,500.0	88.95	178.95	11,428.6	-1,657.7	-255.8	1,661.4	0.45	0.45	0.03
13,600.0	89.77	179.31	11,429.6	-1,757.6	-254.5	1,761.3	0.90	0.82	0.37



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,700.0	89.70	179.06	11,429.9	-1,857.6	-253.2	1,861.3	0.26	-0.06	-0.25
13,800.0	91.32	180.45	11,429.5	-1,957.6	-252.3	1,961.2	2.13	1.62	1.39
13,900.0	92.31	180.63	11,426.0	-2,057.6	-253.6	2,061.2	1.00	0.98	0.18
14,000.0	90.89	180.21	11,422.9	-2,157.5	-254.4	2,161.1	1.48	-1.42	-0.42
14,100.0	90.40	179.17	11,422.0	-2,257.5	-253.9	2,261.1	1.15	-0.49	-1.04
14,200.0	90.45	178.23	11,421.2	-2,357.5	-251.6	2,361.0	0.94	0.05	-0.94
14,300.0	88.74	179.53	11,422.1	-2,457.4	-249.7	2,461.0	2.15	-1.71	1.30
14,400.0	91.32	179.99	11,421.6	-2,557.4	-249.3	2,560.9	2.62	2.58	0.45
14,500.0	88.88	179.18	11,421.5	-2,657.4	-248.7	2,660.9	2.58	-2.44	-0.81
14,600.0	87.16	177.90	11,425.4	-2,757.3	-246.0	2,760.7	2.14	-1.71	-1.28
14,700.0	87.82	177.42	11,429.5	-2,857.1	-241.9	2,860.5	0.81	0.66	-0.48
14,800.0	87.89	177.44	11,433.8	-2,956.9	-237.1	2,960.2	0.07	0.07	0.02
14,900.0	90.03	179.15	11,435.5	-3,056.8	-233.9	3,060.1	2.74	2.14	1.72
15,000.0	90.06	179.76	11,434.5	-3,156.8	-233.9	3,160.0	0.61	0.03	0.61
15,100.0	89.72	179.56	11,435.8	-3,256.8	-232.4	3,260.0	0.39	-0.34	-0.20
15,200.0	90.63	180.38	11,434.8	-3,356.8	-232.9	3,360.0	1.22	0.91	0.82
15,300.0	91.33	180.32	11,433.6	-3,456.8	-233.4	3,459.9	0.70	0.70	-0.06
15,400.0	91.67	179.86	11,430.5	-3,556.7	-233.8	3,559.9	0.57	0.33	-0.47
15,500.0	91.35	179.21	11,427.9	-3,656.7	-232.9	3,659.8	0.72	-0.31	-0.65
15,600.0	91.32	178.42	11,425.7	-3,756.7	-230.9	3,759.7	0.78	-0.03	-0.78
15,700.0	91.22	178.93	11,423.4	-3,856.6	-228.3	3,859.6	0.52	-0.11	0.51
15,800.0	91.07	178.80	11,421.4	-3,956.6	-226.5	3,959.6	0.20	-0.15	-0.13
15,900.0	90.21	178.46	11,420.2	-4,056.5	-224.1	4,059.5	0.92	-0.86	-0.34
16,000.0	90.67	180.41	11,419.5	-4,156.5	-223.0	4,159.4	2.00	0.47	1.95
16,100.0	90.82	180.06	11,418.2	-4,256.5	-223.4	4,259.4	0.38	0.15	-0.35
16,200.0	90.25	179.29	11,417.4	-4,356.5	-222.6	4,359.4	0.96	-0.57	-0.77
16,300.0	90.55	181.45	11,416.3	-4,456.5	-223.6	4,459.4	2.18	0.30	2.16
16,400.0	87.20	180.58	11,418.2	-4,556.4	-225.3	4,559.3	3.46	-3.35	-0.87
16,500.0	85.20	180.15	11,425.9	-4,656.1	-226.0	4,659.0	2.05	-2.01	-0.43
16,600.0	87.84	179.54	11,431.6	-4,755.9	-225.7	4,758.8	2.71	2.64	-0.60
16,700.0	88.39	178.69	11,434.5	-4,855.9	-224.4	4,858.7	1.01	0.55	-0.85
16,800.0	88.25	178.46	11,437.8	-4,955.8	-221.1	4,958.6	0.27	-0.14	-0.23
16,894.6	88.99	179.37	11,440.0	-5,050.3	-219.3	5,053.1	1.24	0.79	0.96
Holly 091H into NMNM137473									
16,900.0	89.04	179.42	11,440.1	-5,055.7	-219.8	5,058.5	1.24	0.79	0.96
17,000.0	88.44	179.92	11,441.7	-5,155.7	-218.8	5,158.5	0.78	-0.60	0.50
17,100.0	87.24	180.35	11,445.8	-5,255.6	-219.4	5,258.4	1.27	-1.20	0.43
17,200.0	84.51	179.35	11,452.2	-5,355.4	-219.4	5,358.1	2.90	-2.73	-1.00
17,300.0	82.68	178.03	11,464.1	-5,454.7	-217.1	5,457.3	2.25	-1.83	-1.32
17,400.0	85.26	177.35	11,475.4	-5,553.9	-212.9	5,556.5	2.66	2.57	-0.68
17,500.0	86.06	176.80	11,482.3	-5,653.6	-207.9	5,656.1	0.97	0.80	-0.55
17,600.0	87.05	178.41	11,488.5	-5,753.3	-203.3	5,755.7	1.89	0.99	1.61
17,700.0	87.56	178.33	11,493.1	-5,853.1	-200.8	5,855.5	0.51	0.50	-0.08



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,800.0	88.26	179.18	11,496.8	-5,953.0	-198.5	5,955.4	1.10	0.70	0.85
17,900.0	89.13	180.32	11,499.1	-6,053.0	-198.1	6,055.3	1.43	0.87	1.14
18,000.0	90.80	179.38	11,499.1	-6,153.0	-197.9	6,155.3	1.92	1.67	-0.94
18,100.0	89.97	177.08	11,498.2	-6,252.9	-194.5	6,255.2	2.44	-0.83	-2.30
18,200.0	88.35	178.03	11,500.7	-6,352.8	-189.9	6,354.9	1.87	-1.62	0.94
18,300.0	92.85	181.42	11,498.9	-6,452.7	-189.6	6,454.8	5.64	4.51	3.39
18,400.0	92.75	182.64	11,493.6	-6,552.5	-193.7	6,554.7	1.23	-0.10	1.22
18,500.0	91.58	181.55	11,490.1	-6,652.3	-197.3	6,654.6	1.60	-1.17	-1.09
18,600.0	91.35	180.91	11,487.5	-6,752.3	-199.3	6,754.5	0.68	-0.23	-0.64
18,700.0	90.20	180.78	11,485.8	-6,852.3	-200.7	6,854.5	1.16	-1.15	-0.13
18,800.0	87.68	180.96	11,487.5	-6,952.2	-202.2	6,954.5	2.52	-2.51	0.18
18,900.0	85.39	180.51	11,493.8	-7,052.0	-203.8	7,054.3	2.34	-2.30	-0.45
19,000.0	87.65	179.90	11,501.3	-7,151.7	-203.9	7,154.0	2.34	2.26	-0.61
19,100.0	91.22	179.96	11,501.8	-7,251.7	-203.7	7,254.0	3.57	3.57	0.06
19,200.0	89.57	180.41	11,499.9	-7,351.7	-204.0	7,353.9	1.71	-1.65	0.45
19,300.0	87.33	180.02	11,502.6	-7,451.6	-204.6	7,453.9	2.27	-2.24	-0.39
19,400.0	84.77	179.57	11,509.8	-7,551.4	-204.4	7,553.6	2.60	-2.56	-0.45
19,500.0	84.58	179.47	11,519.2	-7,650.9	-203.4	7,653.1	0.22	-0.20	-0.09
19,600.0	85.99	177.72	11,527.6	-7,750.5	-201.2	7,752.7	2.25	1.42	-1.76
19,700.0	86.17	176.57	11,534.3	-7,850.2	-196.1	7,852.2	1.16	0.18	-1.15
19,800.0	86.84	176.65	11,540.5	-7,949.8	-190.3	7,951.8	0.67	0.67	0.08
19,900.0	88.92	176.30	11,544.0	-8,049.5	-183.8	8,051.4	2.12	2.09	-0.36
20,000.0	88.98	178.74	11,546.1	-8,149.4	-179.9	8,151.2	2.44	0.05	2.44
20,100.0	90.15	178.76	11,546.0	-8,249.4	-177.4	8,251.1	1.17	1.17	0.03
20,200.0	86.74	179.95	11,549.1	-8,349.3	-176.8	8,351.0	3.60	-3.40	1.18
20,300.0	85.88	179.04	11,556.1	-8,449.1	-175.6	8,450.8	1.25	-0.86	-0.91
20,400.0	86.62	178.71	11,562.2	-8,548.9	-173.9	8,550.5	0.81	0.74	-0.33
20,500.0	86.29	178.65	11,568.5	-8,648.6	-171.1	8,650.2	0.34	-0.33	-0.07
20,600.0	86.73	179.21	11,574.8	-8,748.4	-169.6	8,750.0	0.71	0.44	0.56
20,700.0	86.96	178.57	11,580.0	-8,848.2	-167.8	8,849.8	0.67	0.23	-0.64
20,800.0	87.97	179.33	11,585.0	-8,948.1	-165.3	8,949.6	1.26	1.01	0.76
20,900.0	88.67	179.98	11,587.4	-9,048.1	-165.2	9,049.5	0.96	0.70	0.65
21,000.0	87.93	179.20	11,590.2	-9,148.0	-164.6	9,149.5	1.07	-0.74	-0.78
21,100.0	87.66	179.24	11,594.3	-9,247.9	-163.0	9,249.3	0.27	-0.27	0.03
21,200.0	87.84	181.53	11,598.2	-9,347.8	-163.3	9,349.2	2.30	0.18	2.29
21,300.0	87.27	181.67	11,602.4	-9,447.7	-166.5	9,449.1	0.59	-0.57	0.14
21,400.0	87.71	181.11	11,606.9	-9,547.6	-168.9	9,549.0	0.72	0.44	-0.56
21,500.0	87.96	180.59	11,610.6	-9,647.5	-170.4	9,649.0	0.58	0.25	-0.52
21,600.0	87.52	179.97	11,614.6	-9,747.4	-170.9	9,748.9	0.76	-0.44	-0.62
21,700.0	87.40	179.95	11,619.0	-9,847.3	-170.9	9,848.8	0.12	-0.12	-0.02
21,800.0	87.00	179.47	11,623.9	-9,947.2	-170.4	9,948.6	0.62	-0.40	-0.48
21,900.0	86.92	178.76	11,629.1	-10,047.0	-169.0	10,048.4	0.71	-0.08	-0.71
22,000.0	86.28	177.25	11,635.0	-10,146.8	-165.5	10,148.1	1.64	-0.65	-1.52
22,088.9	85.38	176.30	11,641.4	-10,235.3	-160.5	10,236.6	1.47	-1.01	-1.07



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Holly 091H As Drilled LTP									
22,100.0	85.27	176.18	11,642.5	-10,246.3	-159.5	10,247.6	1.47	-1.01	-1.07
Holly 091H As Drilled BHL									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Holly 091H As Drilled KC - actual wellpath hits target center - Point	0.00	0.00	10,451.8	640.7	-3.9	394,651.57	863,467.33	32° 4' 50.548 N	103° 17' 35.800 W
Holly 091H As Drilled FT - actual wellpath hits target center - Point	0.00	0.00	11,400.4	130.0	-259.2	394,140.82	863,212.05	32° 4' 45.519 N	103° 17' 38.824 W
Holly 091H into NMNM1 - actual wellpath misses target center by 0.5usft at 16894.6usft MD (11440.0 TVD, -5050.4 N, -219.3 E) - Point	0.00	0.00	11,440.1	-5,050.3	-219.9	388,960.49	863,251.40	32° 3' 54.257 N	103° 17' 38.947 W
Holly 091H As Drilled LT - actual wellpath misses target center by 0.3usft at 22088.9usft MD (11641.4 TVD, -10235.3 N, -160.5 E) - Point	0.00	0.00	11,641.6	-10,235.3	-160.3	383,775.52	863,310.98	32° 3' 2.948 N	103° 17' 38.835 W
Holly 091H As Drilled BHL - actual wellpath misses target center by 39.0usft at 22100.0usft MD (11642.5 TVD, -10246.3 N, -159.5 E) - Point	0.00	0.00	11,645.7	-10,285.1	-157.0	383,725.70	863,314.30	32° 3' 2.455 N	103° 17' 38.801 W

Checked By: _____	Approved By: _____	Date: _____
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Ameredev Operating, LLC.

RB/HOL

RB/HOL #2S

Holly 091H

Final Surveys

Design: Final Surveys

Lease Penetration Section Line Foot

21 July, 2021



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Project	RB/HOL		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	RB/HOL #2S		
Site Position:		Northing:	394,010.44 usft
From:	Lat/Long	Easting:	863,431.24 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 4' 44.208 N
		Longitude:	103° 17' 36.291 W
		Grid Convergence:	0.55 °

Well	Holly 091H		
Well Position	+N/-S	0.0 usft	Northing: 394,010.82 usft
	+E/-W	0.0 usft	Easting: 863,471.26 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 4' 44.208 N
		Longitude:	103° 17' 35.826 W
		Ground Level:	3,002.0 usft

Wellbore	Final Surveys				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/27/2020	6.51	59.94	47,598.35078365

Design	Final Surveys			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.87

Survey Program	Date	3/27/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
175.0	22,139.0	Survey #1 (Final Surveys)	MWD	OWSG MWD - Standard

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	-229.6	740.0	32° 4' 44.208 N	103° 17' 35.826 W
100.0	0.19	147.15	100.0	-229.8	740.1	32° 4' 44.206 N	103° 17' 35.825 W
200.0	0.30	159.92	200.0	-230.2	740.4	32° 4' 44.202 N	103° 17' 35.822 W
300.0	0.71	199.52	300.0	-230.9	740.3	32° 4' 44.195 N	103° 17' 35.824 W
400.0	0.56	233.03	400.0	-232.0	739.6	32° 4' 44.184 N	103° 17' 35.831 W
500.0	0.55	251.81	500.0	-232.3	738.8	32° 4' 44.181 N	103° 17' 35.841 W
600.0	0.73	276.38	600.0	-232.4	737.7	32° 4' 44.180 N	103° 17' 35.854 W
700.0	1.02	279.12	700.0	-232.2	736.2	32° 4' 44.182 N	103° 17' 35.871 W
800.0	1.45	270.78	799.9	-232.1	734.1	32° 4' 44.184 N	103° 17' 35.895 W
900.0	2.10	266.42	899.9	-232.1	730.8	32° 4' 44.184 N	103° 17' 35.933 W
1,000.0	1.88	261.87	999.8	-232.6	727.4	32° 4' 44.180 N	103° 17' 35.974 W
1,100.0	1.58	263.81	1,099.8	-232.9	724.4	32° 4' 44.177 N	103° 17' 36.008 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
1,200.0	1.77	269.21	1,199.7	-233.1	721.5	32° 4' 44.175 N	103° 17' 36.042 W
1,300.0	2.00	272.02	1,299.7	-233.0	718.2	32° 4' 44.176 N	103° 17' 36.080 W
1,400.0	1.47	274.17	1,399.6	-232.9	715.1	32° 4' 44.178 N	103° 17' 36.116 W
1,500.0	0.31	239.80	1,499.6	-232.9	713.5	32° 4' 44.178 N	103° 17' 36.135 W
1,600.0	0.44	217.58	1,599.6	-233.3	713.2	32° 4' 44.174 N	103° 17' 36.139 W
1,700.0	0.81	1.06	1,699.6	-233.0	712.9	32° 4' 44.177 N	103° 17' 36.142 W
1,800.0	1.76	20.17	1,799.6	-230.8	713.5	32° 4' 44.199 N	103° 17' 36.134 W
1,900.0	1.83	17.97	1,899.5	-227.8	714.5	32° 4' 44.228 N	103° 17' 36.123 W
2,000.0	2.07	22.81	1,999.5	-224.6	715.7	32° 4' 44.259 N	103° 17' 36.109 W
2,100.0	2.38	21.40	2,099.4	-221.1	717.3	32° 4' 44.294 N	103° 17' 36.089 W
2,200.0	2.79	3.33	2,199.3	-216.8	718.1	32° 4' 44.337 N	103° 17' 36.080 W
2,300.0	3.43	1.99	2,299.2	-211.3	718.3	32° 4' 44.391 N	103° 17' 36.077 W
2,400.0	4.31	8.01	2,398.9	-204.8	718.7	32° 4' 44.455 N	103° 17' 36.071 W
2,500.0	5.76	14.11	2,498.5	-196.1	720.6	32° 4' 44.541 N	103° 17' 36.048 W
2,600.0	6.31	16.58	2,598.0	-185.7	723.4	32° 4' 44.644 N	103° 17' 36.014 W
2,700.0	6.41	19.25	2,697.4	-175.2	726.8	32° 4' 44.747 N	103° 17' 35.973 W
2,800.0	6.72	17.49	2,796.7	-164.5	730.6	32° 4' 44.853 N	103° 17' 35.929 W
2,900.0	6.90	13.18	2,896.0	-153.0	733.7	32° 4' 44.967 N	103° 17' 35.891 W
3,000.0	6.45	14.50	2,995.3	-141.5	736.4	32° 4' 45.080 N	103° 17' 35.859 W
3,100.0	6.03	9.81	3,094.7	-131.0	738.8	32° 4' 45.184 N	103° 17' 35.829 W
3,200.0	5.93	0.61	3,194.2	-120.7	739.8	32° 4' 45.286 N	103° 17' 35.817 W
3,300.0	5.64	1.27	3,293.7	-110.6	739.9	32° 4' 45.385 N	103° 17' 35.815 W
3,400.0	5.30	1.63	3,393.2	-101.1	740.1	32° 4' 45.480 N	103° 17' 35.811 W
3,500.0	5.61	0.74	3,492.8	-91.6	740.3	32° 4' 45.574 N	103° 17' 35.807 W
3,600.0	6.20	357.68	3,592.2	-81.3	740.1	32° 4' 45.675 N	103° 17' 35.808 W
3,700.0	7.16	357.45	3,691.5	-69.6	739.6	32° 4' 45.791 N	103° 17' 35.813 W
3,800.0	6.99	359.16	3,790.8	-57.2	739.2	32° 4' 45.914 N	103° 17' 35.816 W
3,900.0	6.62	1.89	3,890.1	-45.4	739.4	32° 4' 46.031 N	103° 17' 35.813 W
4,000.0	6.41	3.25	3,989.4	-34.1	739.8	32° 4' 46.142 N	103° 17' 35.807 W
4,100.0	6.33	6.05	4,088.8	-23.1	740.8	32° 4' 46.252 N	103° 17' 35.795 W
4,200.0	6.19	6.98	4,188.2	-12.2	742.0	32° 4' 46.359 N	103° 17' 35.779 W
4,300.0	6.03	6.21	4,287.6	-1.7	743.3	32° 4' 46.463 N	103° 17' 35.763 W
4,400.0	5.82	6.05	4,387.1	8.7	744.3	32° 4' 46.565 N	103° 17' 35.749 W
4,500.0	5.55	8.82	4,486.6	18.5	745.6	32° 4' 46.662 N	103° 17' 35.734 W
4,600.0	5.38	9.62	4,586.2	27.9	747.2	32° 4' 46.755 N	103° 17' 35.714 W
4,700.0	5.41	4.11	4,685.7	37.1	748.4	32° 4' 46.846 N	103° 17' 35.699 W
4,800.0	5.16	359.83	4,785.3	46.4	748.7	32° 4' 46.938 N	103° 17' 35.695 W
4,900.0	4.71	0.15	4,884.9	55.0	748.6	32° 4' 47.023 N	103° 17' 35.695 W
5,000.0	4.82	0.75	4,984.6	63.3	748.7	32° 4' 47.105 N	103° 17' 35.693 W
5,100.0	5.11	359.60	5,084.2	71.9	748.7	32° 4' 47.191 N	103° 17' 35.692 W
5,200.0	4.67	358.75	5,183.8	80.4	748.6	32° 4' 47.275 N	103° 17' 35.692 W
5,300.0	5.05	359.21	5,283.5	88.8	748.4	32° 4' 47.358 N	103° 17' 35.693 W
5,400.0	7.12	1.01	5,382.9	99.5	748.5	32° 4' 47.464 N	103° 17' 35.691 W
5,500.0	7.94	359.66	5,482.0	112.7	748.6	32° 4' 47.594 N	103° 17' 35.689 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
5,600.0	7.89	358.99	5,581.1	126.6	748.4	32° 4' 47.731 N	103° 17' 35.689 W
5,700.0	7.43	358.75	5,680.2	139.9	748.1	32° 4' 47.863 N	103° 17' 35.691 W
5,800.0	7.15	357.85	5,779.4	152.5	747.8	32° 4' 47.988 N	103° 17' 35.693 W
5,900.0	7.05	355.31	5,878.6	164.8	747.1	32° 4' 48.109 N	103° 17' 35.700 W
6,000.0	7.19	353.80	5,977.8	177.1	745.8	32° 4' 48.232 N	103° 17' 35.713 W
6,100.0	7.20	352.64	6,077.0	189.6	744.4	32° 4' 48.355 N	103° 17' 35.728 W
6,200.0	7.21	351.24	6,176.3	202.0	742.6	32° 4' 48.478 N	103° 17' 35.748 W
6,300.0	7.34	350.31	6,275.5	214.5	740.6	32° 4' 48.602 N	103° 17' 35.770 W
6,400.0	7.31	351.70	6,374.6	227.1	738.5	32° 4' 48.727 N	103° 17' 35.793 W
6,500.0	7.12	356.94	6,473.8	239.6	737.2	32° 4' 48.851 N	103° 17' 35.807 W
6,600.0	6.83	358.62	6,573.1	251.8	736.8	32° 4' 48.971 N	103° 17' 35.810 W
6,700.0	6.55	358.90	6,672.4	263.4	736.6	32° 4' 49.087 N	103° 17' 35.811 W
6,800.0	6.15	359.53	6,771.8	274.5	736.4	32° 4' 49.196 N	103° 17' 35.812 W
6,900.0	5.97	356.94	6,871.2	285.0	736.1	32° 4' 49.300 N	103° 17' 35.814 W
7,000.0	5.45	359.48	6,970.7	295.0	735.8	32° 4' 49.399 N	103° 17' 35.817 W
7,100.0	4.85	359.58	7,070.3	304.0	735.7	32° 4' 49.488 N	103° 17' 35.816 W
7,200.0	4.32	358.93	7,170.0	311.9	735.6	32° 4' 49.566 N	103° 17' 35.817 W
7,300.0	4.33	358.06	7,269.7	319.4	735.4	32° 4' 49.641 N	103° 17' 35.818 W
7,400.0	4.32	358.11	7,369.5	327.0	735.2	32° 4' 49.716 N	103° 17' 35.820 W
7,500.0	4.04	359.16	7,469.2	334.3	735.0	32° 4' 49.788 N	103° 17' 35.822 W
7,600.0	3.87	357.12	7,569.0	341.1	734.9	32° 4' 49.855 N	103° 17' 35.822 W
7,700.0	4.26	354.03	7,668.7	348.1	734.2	32° 4' 49.924 N	103° 17' 35.829 W
7,800.0	4.34	355.04	7,768.4	355.7	733.5	32° 4' 50.000 N	103° 17' 35.837 W
7,900.0	4.07	357.68	7,868.1	363.0	733.0	32° 4' 50.072 N	103° 17' 35.842 W
8,000.0	3.85	359.70	7,967.9	369.9	732.9	32° 4' 50.141 N	103° 17' 35.842 W
8,100.0	3.58	0.65	8,067.7	376.4	732.9	32° 4' 50.205 N	103° 17' 35.841 W
8,200.0	3.14	1.89	8,167.5	382.3	733.0	32° 4' 50.263 N	103° 17' 35.839 W
8,300.0	2.73	2.85	8,267.4	387.4	733.2	32° 4' 50.313 N	103° 17' 35.836 W
8,400.0	2.40	359.29	8,367.3	391.9	733.3	32° 4' 50.358 N	103° 17' 35.834 W
8,500.0	2.28	356.17	8,467.2	395.9	733.2	32° 4' 50.398 N	103° 17' 35.836 W
8,600.0	1.89	359.08	8,567.1	399.5	733.0	32° 4' 50.434 N	103° 17' 35.837 W
8,700.0	1.64	357.58	8,667.1	402.6	732.9	32° 4' 50.464 N	103° 17' 35.838 W
8,800.0	1.48	350.73	8,767.1	405.3	732.7	32° 4' 50.491 N	103° 17' 35.840 W
8,900.0	1.24	342.03	8,867.0	407.6	732.1	32° 4' 50.514 N	103° 17' 35.847 W
9,000.0	0.99	332.71	8,967.0	409.5	731.4	32° 4' 50.532 N	103° 17' 35.855 W
9,100.0	0.88	309.35	9,067.0	410.6	730.4	32° 4' 50.543 N	103° 17' 35.866 W
9,200.0	1.01	312.08	9,167.0	411.7	729.1	32° 4' 50.554 N	103° 17' 35.881 W
9,300.0	0.26	332.36	9,267.0	412.7	728.1	32° 4' 50.565 N	103° 17' 35.893 W
9,400.0	0.91	125.92	9,367.0	412.3	728.8	32° 4' 50.560 N	103° 17' 35.885 W
9,500.0	1.06	116.11	9,466.9	411.3	730.4	32° 4' 50.550 N	103° 17' 35.867 W
9,600.0	0.90	95.13	9,566.9	410.8	732.0	32° 4' 50.545 N	103° 17' 35.848 W
9,700.0	0.85	90.94	9,666.9	410.8	733.5	32° 4' 50.545 N	103° 17' 35.830 W
9,800.0	1.08	101.06	9,766.9	410.6	735.1	32° 4' 50.543 N	103° 17' 35.811 W
9,900.0	1.38	98.04	9,866.9	410.2	737.3	32° 4' 50.539 N	103° 17' 35.787 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

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Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
10,000.0	1.12	66.44	9,966.9	410.4	739.4	32° 4' 50.540 N	103° 17' 35.761 W
10,100.0	0.35	90.08	10,066.9	410.9	740.7	32° 4' 50.545 N	103° 17' 35.747 W
10,200.0	0.34	246.93	10,166.9	410.8	740.7	32° 4' 50.544 N	103° 17' 35.747 W
10,300.0	0.70	275.38	10,266.8	410.7	739.8	32° 4' 50.543 N	103° 17' 35.757 W
10,400.0	1.21	277.09	10,366.8	410.9	738.2	32° 4' 50.545 N	103° 17' 35.776 W
10,485.0	1.63	276.58	10,451.8	411.1	736.1	32° 4' 50.548 N	103° 17' 35.800 W
Holly 091H As Drilled KOP							
10,500.0	1.71	276.52	10,466.8	411.2	735.7	32° 4' 50.549 N	103° 17' 35.805 W
10,600.0	2.63	269.56	10,566.7	411.5	732.0	32° 4' 50.552 N	103° 17' 35.847 W
10,700.0	5.59	252.23	10,666.5	410.2	725.7	32° 4' 50.540 N	103° 17' 35.921 W
10,800.0	11.64	254.96	10,765.3	405.3	711.3	32° 4' 50.492 N	103° 17' 36.089 W
10,900.0	15.60	242.93	10,862.8	398.9	690.1	32° 4' 50.432 N	103° 17' 36.336 W
11,000.0	22.74	226.89	10,957.1	379.9	663.4	32° 4' 50.246 N	103° 17' 36.648 W
11,100.0	29.64	213.58	11,047.1	346.1	636.0	32° 4' 49.914 N	103° 17' 36.971 W
11,200.0	37.45	204.35	11,130.2	297.6	609.3	32° 4' 49.437 N	103° 17' 37.287 W
11,300.0	46.58	201.70	11,204.6	236.2	583.2	32° 4' 48.832 N	103° 17' 37.596 W
11,400.0	53.24	199.03	11,268.2	163.8	556.8	32° 4' 48.118 N	103° 17' 37.912 W
11,500.0	60.29	196.94	11,323.8	84.7	531.5	32° 4' 47.338 N	103° 17' 38.215 W
11,600.0	69.23	195.10	11,365.3	-2.7	506.6	32° 4' 46.476 N	103° 17' 38.513 W
11,700.0	72.00	194.17	11,398.4	-93.8	482.3	32° 4' 45.576 N	103° 17' 38.807 W
11,706.3	72.51	193.74	11,400.4	-99.6	480.8	32° 4' 45.519 N	103° 17' 38.824 W
Holly 091H As Drilled FTP							
11,800.0	80.20	187.49	11,421.9	-189.1	464.2	32° 4' 44.635 N	103° 17' 39.027 W
11,900.0	87.45	180.97	11,433.0	-288.1	457.0	32° 4' 43.656 N	103° 17' 39.122 W
12,000.0	91.86	178.31	11,432.9	-388.1	458.5	32° 4' 42.666 N	103° 17' 39.116 W
12,100.0	92.87	177.40	11,428.4	-487.9	462.3	32° 4' 41.678 N	103° 17' 39.083 W
12,200.0	92.66	179.56	11,423.5	-587.8	465.3	32° 4' 40.690 N	103° 17' 39.060 W
12,300.0	89.41	179.74	11,421.5	-687.7	465.7	32° 4' 39.701 N	103° 17' 39.066 W
12,400.0	89.65	179.19	11,422.4	-787.7	466.6	32° 4' 38.712 N	103° 17' 39.066 W
12,500.0	89.74	178.73	11,422.9	-887.7	468.4	32° 4' 37.722 N	103° 17' 39.056 W
12,600.0	89.84	178.19	11,423.3	-987.7	471.1	32° 4' 36.733 N	103° 17' 39.036 W
12,700.0	89.45	177.64	11,423.9	-1,087.6	474.7	32° 4' 35.744 N	103° 17' 39.005 W
12,800.0	89.72	177.76	11,425.0	-1,187.5	479.2	32° 4' 34.755 N	103° 17' 38.965 W
12,900.0	91.36	179.50	11,423.8	-1,287.5	481.1	32° 4' 33.765 N	103° 17' 38.953 W
13,000.0	91.13	179.89	11,421.0	-1,387.4	482.0	32° 4' 32.776 N	103° 17' 38.954 W
13,100.0	89.40	180.75	11,421.0	-1,487.4	481.0	32° 4' 31.787 N	103° 17' 38.977 W
13,200.0	89.15	180.02	11,422.3	-1,587.4	480.3	32° 4' 30.798 N	103° 17' 38.997 W
13,300.0	89.00	179.58	11,423.9	-1,687.4	480.8	32° 4' 29.808 N	103° 17' 39.002 W
13,400.0	88.50	178.92	11,426.0	-1,787.3	481.9	32° 4' 28.819 N	103° 17' 39.001 W
13,500.0	88.95	178.95	11,428.6	-1,887.3	484.2	32° 4' 27.830 N	103° 17' 38.985 W
13,600.0	89.77	179.31	11,429.6	-1,987.3	485.5	32° 4' 26.841 N	103° 17' 38.981 W
13,700.0	89.70	179.06	11,429.9	-2,087.3	486.9	32° 4' 25.851 N	103° 17' 38.976 W
13,800.0	91.32	180.45	11,429.5	-2,187.2	487.7	32° 4' 24.862 N	103° 17' 38.978 W
13,900.0	92.31	180.63	11,426.0	-2,287.2	486.4	32° 4' 23.873 N	103° 17' 39.004 W
14,000.0	90.89	180.21	11,422.9	-2,387.1	485.7	32° 4' 22.884 N	103° 17' 39.024 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
14,100.0	90.40	179.17	11,422.0	-2,487.1	486.1	32° 4' 21.895 N	103° 17' 39.030 W
14,200.0	90.45	178.23	11,421.2	-2,587.1	488.4	32° 4' 20.905 N	103° 17' 39.014 W
14,300.0	88.74	179.53	11,422.1	-2,687.1	490.4	32° 4' 19.916 N	103° 17' 39.003 W
14,400.0	91.32	179.99	11,421.6	-2,787.0	490.7	32° 4' 18.927 N	103° 17' 39.010 W
14,500.0	88.88	179.18	11,421.5	-2,887.0	491.3	32° 4' 17.937 N	103° 17' 39.014 W
14,600.0	87.16	177.90	11,425.4	-2,986.9	494.0	32° 4' 16.949 N	103° 17' 38.994 W
14,700.0	87.82	177.42	11,429.5	-3,086.7	498.1	32° 4' 15.961 N	103° 17' 38.958 W
14,800.0	87.89	177.44	11,433.8	-3,186.5	502.9	32° 4' 14.973 N	103° 17' 38.913 W
14,900.0	90.03	179.15	11,435.5	-3,286.5	506.1	32° 4' 13.984 N	103° 17' 38.887 W
15,000.0	90.06	179.76	11,434.5	-3,386.4	506.1	32° 4' 12.994 N	103° 17' 38.898 W
15,100.0	89.72	179.56	11,435.8	-3,486.4	507.6	32° 4' 12.005 N	103° 17' 38.892 W
15,200.0	90.63	180.38	11,434.8	-3,586.4	507.1	32° 4' 11.016 N	103° 17' 38.909 W
15,300.0	91.33	180.32	11,433.6	-3,686.4	506.6	32° 4' 10.026 N	103° 17' 38.926 W
15,400.0	91.67	179.86	11,430.5	-3,786.4	506.2	32° 4' 9.037 N	103° 17' 38.941 W
15,500.0	91.35	179.21	11,427.9	-3,886.3	507.1	32° 4' 8.048 N	103° 17' 38.942 W
15,600.0	91.32	178.42	11,425.7	-3,986.3	509.1	32° 4' 7.059 N	103° 17' 38.930 W
15,700.0	91.22	178.93	11,423.4	-4,086.2	511.7	32° 4' 6.070 N	103° 17' 38.911 W
15,800.0	91.07	178.80	11,421.4	-4,186.2	513.5	32° 4' 5.081 N	103° 17' 38.901 W
15,900.0	90.21	178.46	11,420.2	-4,286.1	515.9	32° 4' 4.091 N	103° 17' 38.885 W
16,000.0	90.67	180.41	11,419.5	-4,386.1	517.0	32° 4' 3.102 N	103° 17' 38.883 W
16,100.0	90.82	180.06	11,418.2	-4,486.1	516.6	32° 4' 2.112 N	103° 17' 38.899 W
16,200.0	90.25	179.29	11,417.4	-4,586.1	517.4	32° 4' 1.123 N	103° 17' 38.901 W
16,300.0	90.55	181.45	11,416.3	-4,686.1	516.4	32° 4' 0.134 N	103° 17' 38.924 W
16,400.0	87.20	180.58	11,418.2	-4,786.0	514.7	32° 3' 59.145 N	103° 17' 38.955 W
16,500.0	85.20	180.15	11,425.9	-4,885.7	514.0	32° 3' 58.159 N	103° 17' 38.974 W
16,600.0	87.84	179.54	11,431.6	-4,985.5	514.3	32° 3' 57.171 N	103° 17' 38.981 W
16,700.0	88.39	178.69	11,434.5	-5,085.5	515.6	32° 3' 56.182 N	103° 17' 38.978 W
16,800.0	88.25	178.46	11,437.8	-5,185.4	518.9	32° 3' 55.193 N	103° 17' 38.951 W
16,894.6	88.99	179.37	11,440.0	-5,279.9	520.7	32° 3' 54.257 N	103° 17' 38.941 W
Holly 091H into NMNM137473							
16,900.0	89.04	179.42	11,440.1	-5,285.3	520.2	32° 3' 54.204 N	103° 17' 38.947 W
17,000.0	88.44	179.92	11,441.7	-5,385.3	521.2	32° 3' 53.215 N	103° 17' 38.947 W
17,100.0	87.24	180.35	11,445.8	-5,485.2	520.6	32° 3' 52.226 N	103° 17' 38.965 W
17,200.0	84.51	179.35	11,452.2	-5,585.0	520.6	32° 3' 51.239 N	103° 17' 38.976 W
17,300.0	82.68	178.03	11,464.1	-5,684.3	522.9	32° 3' 50.256 N	103° 17' 38.960 W
17,400.0	85.26	177.35	11,475.4	-5,783.5	527.1	32° 3' 49.274 N	103° 17' 38.923 W
17,500.0	86.06	176.80	11,482.3	-5,883.2	532.1	32° 3' 48.287 N	103° 17' 38.875 W
17,600.0	87.05	178.41	11,488.5	-5,982.9	536.7	32° 3' 47.301 N	103° 17' 38.833 W
17,700.0	87.56	178.33	11,493.1	-6,082.7	539.2	32° 3' 46.312 N	103° 17' 38.815 W
17,800.0	88.26	179.18	11,496.8	-6,182.6	541.5	32° 3' 45.324 N	103° 17' 38.800 W
17,900.0	89.13	180.32	11,499.1	-6,282.6	541.9	32° 3' 44.334 N	103° 17' 38.806 W
18,000.0	90.80	179.38	11,499.1	-6,382.6	542.1	32° 3' 43.345 N	103° 17' 38.815 W
18,100.0	89.97	177.08	11,498.2	-6,482.5	545.5	32° 3' 42.356 N	103° 17' 38.787 W
18,200.0	88.35	178.03	11,500.7	-6,582.4	550.2	32° 3' 41.367 N	103° 17' 38.744 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
18,300.0	92.85	181.42	11,498.9	-6,682.3	550.4	32° 3' 40.378 N	103° 17' 38.752 W
18,400.0	92.75	182.64	11,493.6	-6,782.1	546.3	32° 3' 39.392 N	103° 17' 38.811 W
18,500.0	91.58	181.55	11,490.1	-6,882.0	542.7	32° 3' 38.404 N	103° 17' 38.864 W
18,600.0	91.35	180.91	11,487.5	-6,981.9	540.7	32° 3' 37.415 N	103° 17' 38.898 W
18,700.0	90.20	180.78	11,485.8	-7,081.9	539.3	32° 3' 36.426 N	103° 17' 38.926 W
18,800.0	87.68	180.96	11,487.5	-7,181.8	537.8	32° 3' 35.437 N	103° 17' 38.954 W
18,900.0	85.39	180.51	11,493.8	-7,281.6	536.2	32° 3' 34.450 N	103° 17' 38.984 W
19,000.0	87.65	179.90	11,501.3	-7,381.3	536.1	32° 3' 33.463 N	103° 17' 38.997 W
19,100.0	91.22	179.96	11,501.8	-7,481.3	536.3	32° 3' 32.474 N	103° 17' 39.006 W
19,200.0	89.57	180.41	11,499.9	-7,581.3	536.1	32° 3' 31.485 N	103° 17' 39.020 W
19,300.0	87.33	180.02	11,502.6	-7,681.2	535.4	32° 3' 30.496 N	103° 17' 39.038 W
19,400.0	84.77	179.57	11,509.8	-7,781.0	535.7	32° 3' 29.509 N	103° 17' 39.047 W
19,500.0	84.58	179.47	11,519.2	-7,880.5	536.6	32° 3' 28.524 N	103° 17' 39.047 W
19,600.0	85.99	177.72	11,527.6	-7,980.1	538.9	32° 3' 27.538 N	103° 17' 39.032 W
19,700.0	86.17	176.57	11,534.3	-8,079.8	543.9	32° 3' 26.552 N	103° 17' 38.984 W
19,800.0	86.84	176.65	11,540.5	-8,179.4	549.7	32° 3' 25.565 N	103° 17' 38.927 W
19,900.0	88.92	176.30	11,544.0	-8,279.1	556.2	32° 3' 24.578 N	103° 17' 38.864 W
20,000.0	88.98	178.74	11,546.1	-8,379.0	560.1	32° 3' 23.589 N	103° 17' 38.829 W
20,100.0	90.15	178.76	11,546.0	-8,479.0	562.7	32° 3' 22.600 N	103° 17' 38.811 W
20,200.0	86.74	179.95	11,549.1	-8,578.9	563.2	32° 3' 21.611 N	103° 17' 38.815 W
20,300.0	85.88	179.04	11,556.1	-8,678.7	564.4	32° 3' 20.624 N	103° 17' 38.813 W
20,400.0	86.62	178.71	11,562.2	-8,778.5	566.1	32° 3' 19.636 N	103° 17' 38.804 W
20,500.0	86.29	178.65	11,568.5	-8,878.2	568.9	32° 3' 18.649 N	103° 17' 38.783 W
20,600.0	86.73	179.21	11,574.8	-8,978.0	570.4	32° 3' 17.661 N	103° 17' 38.777 W
20,700.0	86.96	178.57	11,580.0	-9,077.9	572.2	32° 3' 16.673 N	103° 17' 38.767 W
20,800.0	87.97	179.33	11,585.0	-9,177.7	574.7	32° 3' 15.685 N	103° 17' 38.749 W
20,900.0	88.67	179.98	11,587.4	-9,277.7	574.8	32° 3' 14.696 N	103° 17' 38.759 W
21,000.0	87.93	179.20	11,590.2	-9,377.6	575.4	32° 3' 13.707 N	103° 17' 38.763 W
21,100.0	87.66	179.24	11,594.3	-9,477.5	577.0	32° 3' 12.718 N	103° 17' 38.756 W
21,200.0	87.84	181.53	11,598.2	-9,577.4	576.7	32° 3' 11.730 N	103° 17' 38.770 W
21,300.0	87.27	181.67	11,602.4	-9,677.3	573.5	32° 3' 10.742 N	103° 17' 38.819 W
21,400.0	87.71	181.11	11,606.9	-9,777.2	571.1	32° 3' 9.754 N	103° 17' 38.858 W
21,500.0	87.96	180.59	11,610.6	-9,877.1	569.6	32° 3' 8.765 N	103° 17' 38.887 W
21,600.0	87.52	179.97	11,614.6	-9,977.0	569.1	32° 3' 7.777 N	103° 17' 38.903 W
21,700.0	87.40	179.95	11,619.0	-10,076.9	569.2	32° 3' 6.788 N	103° 17' 38.914 W
21,800.0	87.00	179.47	11,623.9	-10,176.8	569.7	32° 3' 5.800 N	103° 17' 38.919 W
21,900.0	86.92	178.76	11,629.1	-10,276.6	571.1	32° 3' 4.812 N	103° 17' 38.914 W
22,000.0	86.28	177.25	11,635.0	-10,376.4	574.6	32° 3' 3.824 N	103° 17' 38.885 W
22,088.9	85.38	176.30	11,641.4	-10,464.9	579.5	32° 3' 2.948 N	103° 17' 38.837 W
Holly 091H As Drilled LTP							
22,100.0	85.27	176.18	11,642.5	-10,476.0	580.5	32° 3' 2.839 N	103° 17' 38.827 W
Holly 091H As Drilled BHL							



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 091H
Project:	RB/HOL	TVD Reference:	KB @ 3029.0usft
Site:	RB/HOL #2S	MD Reference:	KB @ 3029.0usft
Well:	Holly 091H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

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

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		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG							1. WELL API NO. 30-025-46656			
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)							2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN			
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____							3. State Oil & Gas Lease No. NMNM137470			
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 WC-025 G-08 S263620C: 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:	D	5	26-S	36-E	-	230'	NORTH	740'	WEST	LEA
BH:	M	8	26-S	36-E	-	50'	SOUTH	471'	WEST	LEA
13. Date Spudded 2/6/2020	14. Date T.D. Reached 3/19/2020	15. Date Rig Released 3/20/2020		16. Date Completed (Ready to Produce) 4/26/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3002' GL / 3029' RKB				
18. Total Measured Depth of Well 22139'		19. Plug Back Measured Depth 22088'		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 11710 - 22087 LOWER 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		68#		1195'		17.5"		1225		
7.625" HCL80		29.7#		11607'		12.25" / 9.875"		900/870		
5.5" RYS110		23#		22110'		6.75"		430/950		
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD					
					SIZE	DEPTH SET	PACKER SET			
					2.875"	10580'	10580'			
26. Perforation record (interval, size, and number) 11710 - 22087, 0.49, 6274					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					11710' - 22087'		31,136,872LBS PROPPANT / 693,328BBLs FLUIDS			
23. PRODUCTION										
Date First Production 4/28/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PRODUCING				
Date of Test 6/8/2021	Hours Tested 24	Choke Size 128	Prod'n For Test Period	Oil - Bbl 1578	Gas - MCF 1985	Water - Bbl. 4523	Gas - Oil Ratio 1258			
Flow Tubing Press. 743	Casing Pressure 745	Calculated 24-Hour Rate	Oil - Bbl. 1578	Gas - MCF 1985	Water - Bbl. 4523	Oil Gravity - API - (Corr.) 41.5				
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 		Printed Name		Shane McNeely		Title		Engineer		Date 6/18/2021
E-mail Address					smcneely@ameredev.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 one 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 _____ 1038	T. Canyon _____	T. Ojo Alamo _____	T. Penn "A" _____
T. Salt _____ 1481	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 Otzte _____
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 _____ 8222	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	1032	1032	Sand/Silts/Clay				
1032	1481	449	Anhydrite/Dolomite				
1481	3770	2289	Anhydrite/Salt				
3770	8222	4452	Limestone/Dolomite/Sandstone				
8222	9589	1367	Sands/Silts/Limestone				
9589	11474	1885	Limestone w/ minor Sands & Silts				
11474	TD		Silty Limestone				



Ameredev II, LLC

As-Drilled Wellbore Schematic

Well: Holly Fed Com 26-36-05 091H
SHL: Sec. 05 26S-36E 230' FNL & 740' FWL
BHL: Sec. 08 26S-36E 50' FSL & 471' FWL
 Lea, NM
Wellhead: A - 13-5/8" 10M x 13-5/8" SOW
 B - 13-5/8" 10M x 13-5/8" 10M
 C - 13-5/8" 10M x 13-5/8" 10M
 Tubing Spool - 7-1/16" 15M x 13-3/8" 10M
Xmas Tree: 2-9/16" 10M
Tubing: 2-7/8" L-80 6.5# 8rd EUE

Co. Well ID: 40867
AFE No.: 2019-027
API No.: 30-025-46656
GL: 3,002'
Field: Delaware
Objective: 3rd Bone Spring
TVD: 11,646'
MD: 22,139'
Rig: H&P 616 **KB 27'**
E-Mail: Wellsite2@ameredev.com

Hole Size	Formation Tops	Logs	Cement	Mud Weight
17.5"	Rustler 1,032' 13.375" 68# J-55 BTC 1,195'	1225 Sacks TOC 0'	100% Excess	8.4-8.6 ppg WBM
12.25"	Salado 1,481' Tansill 3,172' DV Tool with ACP 3,385' Capitan Reef 3,770' Lamar 5,088' Bell Canyon 5,191' No Casing 5,192'	900 Sacks TOC 0'	50% Excess	8.5-9.4 Diesel Brine Emulsion
9.875"	Brushy Canyon 5,869' Bone Spring Lime 7,095' First Bone Spring 9,597' Second Bone Spring 10,149' Third Bone Spring Upper 10,721' Third Bone Spring 11,303' 7.625" 29.7# L-80HC BTC 11,607'	870 Sacks TOC 0'	50% Excess	
6.75" 12° Build @ 10,600' MD thru 11,900' MD	5.5" 23# P110MS2 Anaconda GT 22,118' Third Bone Spring 11646' TVD // 22139' MD	1380 Sacks TOC 0'	25% Excess	10.5-12.5 ppg OBM

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 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 39027

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 39027
	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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CONDITIONS

Action 39027

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 39027
	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 to NMOCD after BLM approval.	11/19/2021