

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

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 30-025-46494	⁵ Pool Name WC-025 G-09 S263619C;WOLFCAMP	⁶ Pool Code 98234
⁷ Property Code 326326	⁸ Property Name HOLLY FED COM 26-36-05	⁹ Well Number 111H

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	290'	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	-	48'	SOUTH	397'	WEST	LEA
¹² Lse Code	¹³ Producing Method Code F	¹⁴ Gas Connection Date 6/2/2021	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 12/23/2019	²² Ready Date 6/2/2021	²³ TD 22457'	²⁴ PBTD 22300'	²⁵ Perforations 12007' - 22295'	²⁶ DHC, MC N/A
²⁷ Hole Size	²⁸ Casing and Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375" J55	1275'	1340		
12.25"/ 9.875"	7.625" HCL80	10969'	1780 / 1010		
6.75"	5.5" P110	22439'	430 / 1050		
	2.375"	11206'			

V. Well Test Data

³¹ Date New Oil 6/3/2021	³² Gas Delivery Date 6/3/2021	³³ Test Date 6/12/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure 947	³⁶ Csg. Pressure 682
³⁷ Choke Size 128	³⁸ Oil 1298	³⁹ Water 2680	⁴⁰ Gas 1518		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: 

Printed Name: Shane McNeely

Title: Engineer

E-mail Address: smcneely@ameredevelop.com

Date: 6/18/2021 Phone: 737-300-4700

OIL CONSERVATION DIVISION

Approved by: KURT SIMMONS

Title: NMOCD, SANTA FE

Approval Date: 09/29/2021

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 30-025-46494	² Pool Code 98234	³ Pool Name WC-025 G-09 S263619C; WOLFCAMP
⁴ Property Code 326326	⁵ Property Name HOLLY FED COM 26 36 05	⁶ Well Number 111H
⁷ OGRID No. 372224	⁸ Operator Name AMEREDEV OPERATING, LLC.	⁹ Elevation 3007'

¹⁰Surface Location

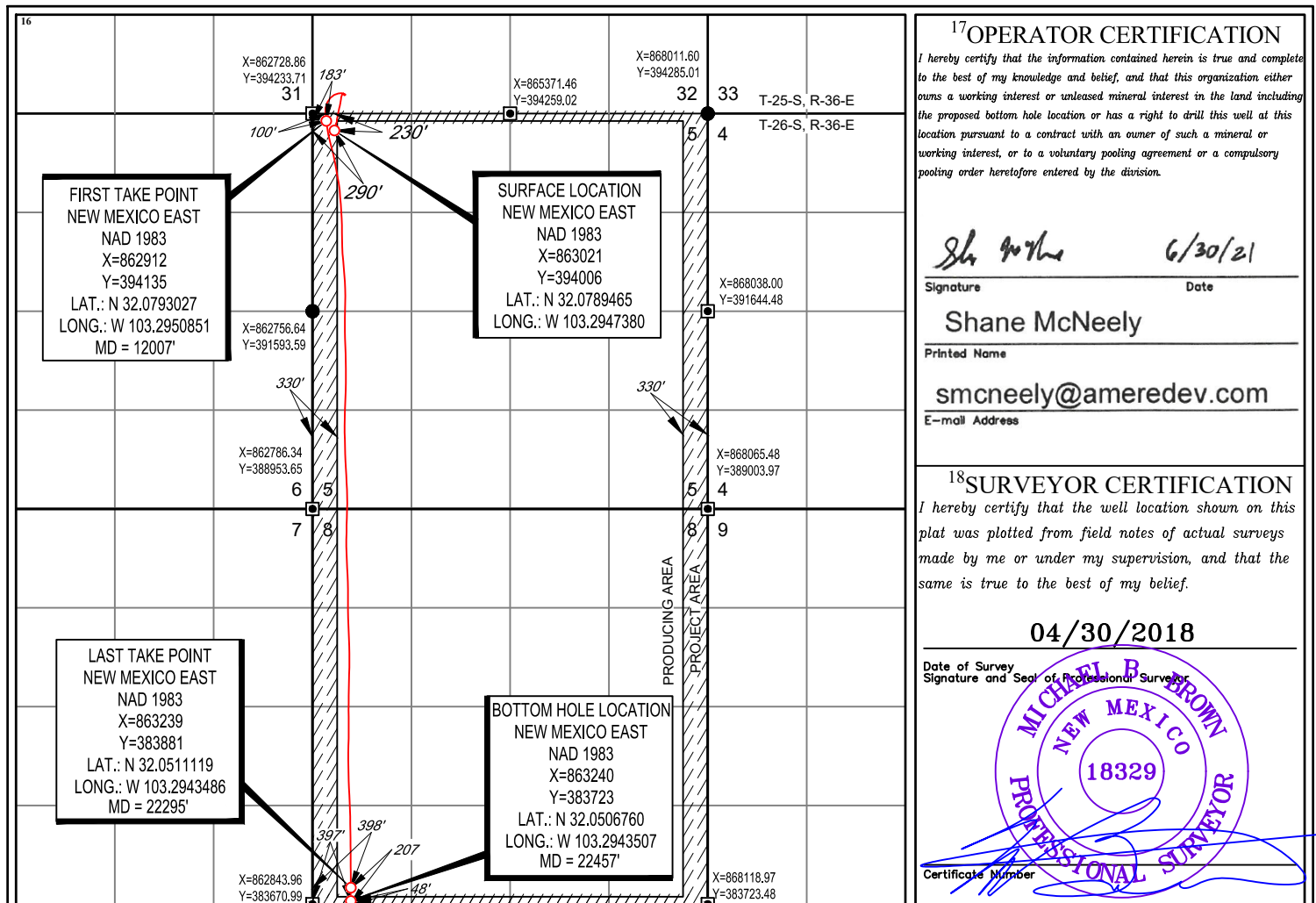
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	5	26-S	36-E	-	230'	NORTH	290'	WEST	LEA

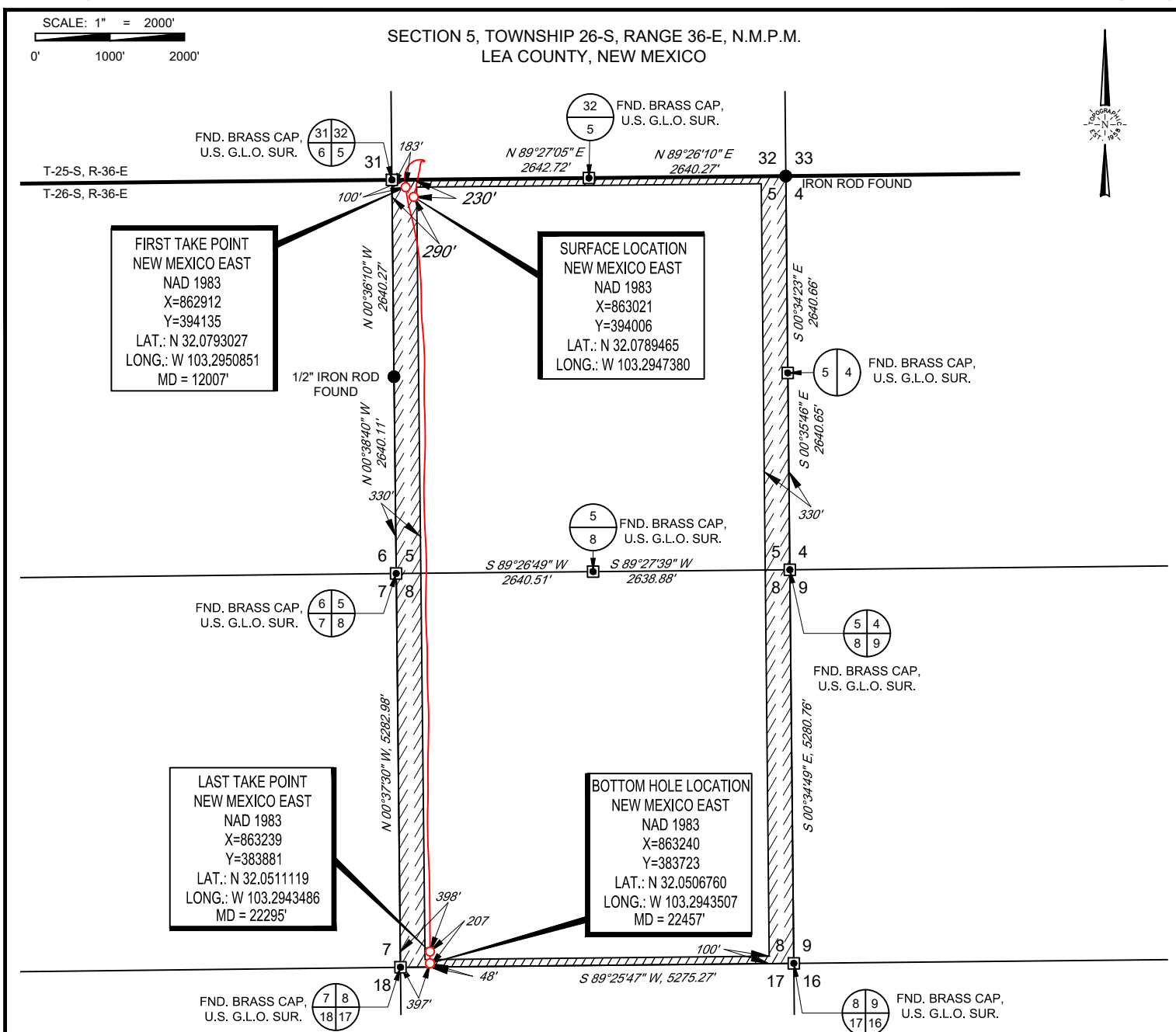
¹¹Bottom Hole Location If Different From Surface

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	-	48'	SOUTH	397'	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.





LEASE NAME & WELL NO.: HOLLY FED COM 26 36 05 111H
SECTION 5 TWP. 26-S RGE 36-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3007'
DESCRIPTION 230' FNL & 290' FWL



Michael Blake Brown, P.S. No. 18329

HOLLY FED COM 26 36 05 111H AS-DRILLED	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.
DATE: 05/06/21			
FILE:AD_HOLLY_FED_COM_26_36_05_111H			
DRAWN BY: EAH			
SHEET : 1 OF 1			



Ameredev Operating, LLC.

RB/HOL

RB/HOL #1S

Holly 111H

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 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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 #1S					
Site Position:		Northing:	394,006.29	usft	Latitude:	32° 4' 44.208 N	
From:	Lat/Long	Easting:	863,001.28	usft	Longitude:	103° 17' 41.289 W	
Position Uncertainty:		0.0	usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.55 °

Well	Holly 111H					
Well Position	+N/-S	0.0 usft	Northing:	394,006.49 usft	Latitude:	32° 4' 44.208 N
	+E/-W	0.0 usft	Easting:	863,021.26 usft	Longitude:	103° 17' 41.056 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,007.0 usft

Wellbore	Final Surveys				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/27/2020	6.51	59.94	47,598.16775864

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	178.78	

Survey Program	Date	3/27/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
120.0	22,457.0	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	0.17	310.00	100.0	0.1	-0.1	-0.1	0.17	0.17	0.00	
200.0	0.57	165.67	200.0	-0.2	-0.2	0.2	0.71	0.40	-144.33	
300.0	0.70	129.38	300.0	-1.1	0.4	1.2	0.41	0.13	-36.29	
400.0	0.11	186.88	400.0	-1.6	0.9	1.6	0.65	-0.59	57.50	
500.0	0.33	237.01	500.0	-1.9	0.7	1.9	0.27	0.22	50.13	
600.0	0.80	257.47	600.0	-2.0	-0.3	2.0	0.50	0.47	20.46	
700.0	1.39	214.81	700.0	-3.6	-1.6	3.5	0.97	0.59	-42.66	
800.0	1.20	269.11	799.9	-4.4	-3.4	4.3	1.19	-0.19	54.29	
900.0	0.99	254.21	899.9	-4.4	-5.5	4.3	0.35	-0.21	-14.90	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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	0.96	222.08	999.9	-5.6	-6.6	5.4	0.54	-0.03	-32.13	
1,100.0	1.07	246.55	1,099.9	-6.4	-8.1	6.2	0.45	0.11	24.48	
1,200.0	1.05	214.79	1,199.9	-7.8	-9.5	7.6	0.58	-0.03	-31.76	
1,300.0	0.86	274.38	1,299.9	-8.4	-10.5	8.2	0.96	-0.18	59.59	
1,400.0	1.11	281.99	1,399.8	-8.0	-12.5	7.7	0.28	0.25	7.61	
1,500.0	1.01	280.70	1,499.8	-7.7	-14.3	7.4	0.11	-0.10	-1.29	
1,600.0	0.92	332.01	1,599.8	-6.9	-15.6	6.6	0.84	-0.09	51.31	
1,700.0	1.62	10.55	1,699.8	-4.8	-15.7	4.5	1.07	0.70	38.55	
1,800.0	1.65	15.71	1,799.7	-1.9	-15.0	1.6	0.15	0.03	5.16	
1,900.0	1.79	15.48	1,899.7	0.9	-14.2	-1.2	0.14	0.14	-0.23	
2,000.0	2.62	15.39	1,999.6	4.6	-13.2	-4.9	0.83	0.83	-0.09	
2,100.0	4.82	21.30	2,099.4	10.7	-11.1	-10.9	2.23	2.20	5.91	
2,200.0	6.81	21.78	2,198.9	20.3	-7.3	-20.4	1.99	1.99	0.48	
2,300.0	6.95	22.00	2,298.1	31.4	-2.8	-31.5	0.14	0.13	0.22	
2,400.0	6.82	22.96	2,397.4	42.5	1.8	-42.4	0.17	-0.13	0.96	
2,500.0	6.85	24.43	2,496.7	53.4	6.5	-53.2	0.18	0.03	1.47	
2,600.0	6.75	24.30	2,596.0	64.1	11.6	-63.9	0.10	-0.10	-0.13	
2,700.0	6.61	21.14	2,695.3	74.9	15.9	-74.5	0.39	-0.13	-3.16	
2,800.0	6.44	23.91	2,794.7	85.5	20.3	-85.0	0.36	-0.17	2.77	
2,900.0	5.88	22.49	2,894.1	95.3	24.7	-94.7	0.59	-0.57	-1.41	
3,000.0	5.29	20.32	2,993.6	104.4	28.1	-103.8	0.62	-0.59	-2.17	
3,100.0	4.84	22.33	3,093.2	112.6	31.3	-111.9	0.48	-0.45	2.00	
3,200.0	4.57	11.52	3,192.9	120.3	34.0	-119.5	0.93	-0.28	-10.81	
3,300.0	4.68	356.76	3,292.6	128.2	34.5	-127.5	1.19	0.12	-14.76	
3,400.0	4.48	357.18	3,392.3	136.3	33.7	-135.6	0.20	-0.20	0.43	
3,500.0	4.93	4.01	3,491.9	144.3	33.8	-143.6	0.72	0.45	6.82	
3,600.0	5.41	10.27	3,591.5	153.3	35.0	-152.5	0.74	0.48	6.26	
3,700.0	5.16	13.19	3,691.1	162.4	36.9	-161.6	0.37	-0.25	2.92	
3,800.0	4.64	14.91	3,790.7	170.7	39.0	-169.8	0.54	-0.52	1.73	
3,900.0	4.37	13.64	3,890.4	178.3	40.9	-177.4	0.28	-0.26	-1.27	
4,000.0	4.15	10.76	3,990.1	185.6	42.5	-184.6	0.31	-0.22	-2.88	
4,100.0	3.89	4.38	4,089.9	192.5	43.4	-191.5	0.52	-0.26	-6.38	
4,200.0	3.67	3.77	4,189.7	199.0	43.8	-198.1	0.22	-0.22	-0.60	
4,300.0	4.19	10.39	4,289.4	205.6	44.7	-204.6	0.69	0.52	6.62	
4,400.0	5.79	13.48	4,389.1	214.3	46.6	-213.2	1.63	1.60	3.09	
4,500.0	6.30	12.00	4,488.5	224.8	49.0	-223.7	0.53	0.51	-1.48	
4,600.0	6.16	11.65	4,587.9	235.3	51.1	-234.1	0.15	-0.14	-0.35	
4,700.0	6.69	12.32	4,687.3	246.1	53.4	-244.9	0.53	0.53	0.67	
4,800.0	7.08	12.95	4,786.5	258.1	56.1	-256.8	0.40	0.39	0.63	
4,900.0	6.64	13.15	4,885.8	269.7	58.8	-268.4	0.44	-0.44	0.20	
5,000.0	6.20	13.10	4,985.2	280.6	61.4	-279.2	0.44	-0.44	-0.05	
5,100.0	5.83	11.69	5,084.6	290.8	63.7	-289.4	0.40	-0.37	-1.41	
5,200.0	5.33	12.33	5,184.2	300.4	65.6	-298.9	0.51	-0.50	0.64	
5,300.0	5.58	13.34	5,283.7	309.4	67.7	-307.9	0.27	0.25	1.00	



Ameredev Operating, LLC

Survey Report

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Well:	Holly 111H	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	6.24	10.97	5,383.2	319.4	69.9	-317.9	0.70	0.66	-2.37	
5,500.0	6.03	11.31	5,482.6	330.1	72.0	-328.5	0.22	-0.21	0.34	
5,600.0	5.73	12.92	5,582.1	340.1	74.1	-338.4	0.34	-0.30	1.61	
5,700.0	5.67	12.81	5,681.6	349.8	76.3	-348.1	0.06	-0.05	-0.11	
5,800.0	6.18	10.59	5,781.1	359.8	78.4	-358.1	0.55	0.50	-2.22	
5,900.0	7.37	9.62	5,880.4	371.4	80.5	-369.6	1.19	1.19	-0.97	
6,000.0	6.90	9.38	5,979.6	383.6	82.5	-381.8	0.47	-0.47	-0.24	
6,100.0	6.83	7.52	6,078.9	395.5	84.2	-393.6	0.23	-0.07	-1.86	
6,200.0	6.83	9.35	6,178.2	407.2	86.0	-405.3	0.22	0.00	1.83	
6,300.0	6.82	9.79	6,277.4	419.0	88.0	-417.0	0.05	-0.01	0.44	
6,400.0	6.41	8.16	6,376.8	430.4	89.8	-428.4	0.44	-0.40	-1.63	
6,500.0	5.90	9.77	6,476.2	441.0	91.3	-438.9	0.54	-0.51	1.60	
6,600.0	5.61	17.21	6,575.7	450.6	93.7	-448.5	0.80	-0.29	7.44	
6,700.0	5.39	18.37	6,675.2	459.8	96.8	-457.6	0.25	-0.22	1.16	
6,800.0	4.77	20.66	6,774.8	468.3	99.6	-466.1	0.65	-0.62	2.29	
6,900.0	3.65	28.17	6,874.6	475.0	102.6	-472.7	1.24	-1.11	7.51	
7,000.0	2.82	35.33	6,974.4	479.7	105.6	-477.3	0.93	-0.84	7.16	
7,100.0	2.07	37.72	7,074.3	483.1	108.2	-480.7	0.75	-0.74	2.39	
7,200.0	1.77	45.65	7,174.3	485.6	110.2	-483.1	0.40	-0.30	7.93	
7,300.0	1.85	48.82	7,274.2	487.7	112.6	-485.2	0.13	0.08	3.17	
7,400.0	1.70	46.27	7,374.2	489.8	114.9	-487.2	0.16	-0.14	-2.55	
7,500.0	1.74	43.40	7,474.1	491.9	117.0	-489.3	0.09	0.04	-2.87	
7,600.0	1.33	59.12	7,574.1	493.6	119.1	-491.0	0.58	-0.41	15.72	
7,700.0	0.84	106.59	7,674.1	494.0	120.8	-491.4	0.98	-0.49	47.47	
7,800.0	0.90	120.25	7,774.1	493.4	122.1	-490.7	0.21	0.06	13.66	
7,900.0	1.06	102.48	7,874.0	492.9	123.8	-490.2	0.34	0.16	-17.77	
8,000.0	1.21	145.67	7,974.0	491.8	125.2	-489.0	0.85	0.15	43.20	
8,100.0	1.46	154.37	8,074.0	489.7	126.4	-486.9	0.33	0.26	8.69	
8,200.0	1.09	154.16	8,174.0	487.7	127.4	-484.9	0.37	-0.37	-0.21	
8,300.0	0.96	157.00	8,274.0	486.1	128.0	-483.3	0.14	-0.13	2.84	
8,400.0	1.02	145.65	8,373.9	484.5	128.9	-481.7	0.21	0.07	-11.35	
8,500.0	0.75	140.78	8,473.9	483.3	129.9	-480.4	0.28	-0.27	-4.88	
8,600.0	0.57	142.43	8,573.9	482.4	130.5	-479.5	0.18	-0.18	1.65	
8,700.0	0.57	163.10	8,673.9	481.6	131.1	-478.7	0.21	0.00	20.67	
8,800.0	0.67	184.58	8,773.9	480.5	131.1	-477.6	0.25	0.10	21.48	
8,900.0	0.77	199.06	8,873.9	479.3	130.9	-476.4	0.20	0.10	14.48	
9,000.0	0.96	193.14	8,973.9	477.9	130.4	-475.0	0.21	0.19	-5.92	
9,100.0	1.00	181.83	9,073.9	476.2	130.2	-473.3	0.20	0.05	-11.31	
9,200.0	1.18	178.85	9,173.9	474.3	130.2	-471.4	0.19	0.18	-2.98	
9,300.0	1.00	159.73	9,273.8	472.4	130.4	-469.5	0.40	-0.18	-19.11	
9,400.0	0.94	151.17	9,373.8	470.9	131.2	-468.0	0.16	-0.07	-8.56	
9,500.0	0.71	121.92	9,473.8	469.8	132.1	-466.9	0.47	-0.23	-29.25	
9,600.0	1.28	76.52	9,573.8	469.7	133.7	-466.7	0.93	0.57	-45.40	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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	1.47	62.22	9,673.8	470.6	135.9	-467.6	0.39	0.19	-14.30	
9,800.0	1.39	60.30	9,773.7	471.8	138.1	-468.7	0.09	-0.08	-1.92	
9,900.0	1.52	54.91	9,873.7	473.2	140.2	-470.1	0.19	0.13	-5.39	
10,000.0	1.42	59.50	9,973.7	474.6	142.4	-471.4	0.16	-0.10	4.60	
10,100.0	1.33	64.66	10,073.6	475.7	144.5	-472.5	0.15	-0.09	5.15	
10,200.0	1.13	60.73	10,173.6	476.6	146.5	-473.4	0.22	-0.20	-3.92	
10,300.0	0.74	30.61	10,273.6	477.7	147.8	-474.4	0.62	-0.39	-30.12	
10,400.0	0.81	336.78	10,373.6	478.9	147.8	-475.6	0.70	0.07	-53.84	
10,500.0	1.28	311.12	10,473.6	480.3	146.7	-477.0	0.65	0.47	-25.65	
10,600.0	1.97	300.28	10,573.5	481.8	144.4	-478.6	0.76	0.69	-10.84	
10,700.0	2.57	298.98	10,673.5	483.8	140.8	-480.7	0.60	0.60	-1.30	
10,800.0	2.59	298.05	10,773.3	486.0	136.8	-483.0	0.05	0.02	-0.93	
10,900.0	2.74	294.88	10,873.2	488.0	132.7	-485.1	0.21	0.15	-3.17	
11,000.0	2.78	296.27	10,973.1	490.1	128.3	-487.3	0.08	0.04	1.39	
11,100.0	2.77	297.96	11,073.0	492.3	124.0	-489.6	0.08	-0.01	1.69	
11,152.0	3.08	293.99	11,124.9	493.5	121.6	-490.8	0.71	0.59	-7.64	
Holly 111H As Drilled KOP										
11,200.0	3.38	290.98	11,172.9	494.6	119.5	-491.9	0.71	0.62	-6.27	
11,300.0	14.12	275.81	11,271.8	496.8	106.1	-494.5	10.90	10.75	-15.17	
11,400.0	27.00	264.75	11,365.2	497.5	71.0	-495.9	13.39	12.87	-11.06	
11,500.0	38.23	248.70	11,449.0	485.4	18.3	-484.9	14.10	11.24	-16.05	
11,600.0	44.76	228.33	11,523.0	451.1	-39.0	-451.9	14.92	6.52	-20.37	
11,700.0	51.94	210.25	11,589.8	393.2	-85.2	-394.9	15.26	7.18	-18.09	
11,800.0	59.94	192.89	11,645.8	316.5	-115.4	-318.9	16.42	8.00	-17.36	
11,900.0	65.07	175.23	11,691.6	228.2	-121.7	-230.8	16.46	5.13	-17.66	
12,000.0	69.13	171.96	11,730.3	136.8	-109.9	-139.1	5.05	4.06	-3.27	
12,011.6	70.56	171.93	11,734.3	126.1	-108.4	-128.3	12.36	12.36	-0.27	
Holly 111H As Drilled FTP										
12,100.0	81.49	171.70	11,756.1	41.4	-96.2	-43.5	12.36	12.36	-0.26	
12,200.0	89.69	168.76	11,763.6	-56.8	-79.3	55.1	8.71	8.20	-2.95	
12,300.0	90.49	165.86	11,763.2	-154.3	-57.2	153.0	3.01	0.80	-2.90	
12,400.0	88.88	165.23	11,764.1	-251.1	-32.1	250.3	1.72	-1.60	-0.63	
12,500.0	90.09	166.76	11,764.9	-348.0	-7.5	347.7	1.96	1.21	1.54	
12,600.0	90.69	170.05	11,764.2	-446.0	12.2	446.2	3.34	0.59	3.28	
12,700.0	90.46	170.23	11,762.9	-544.7	28.5	545.1	0.29	-0.23	0.18	
12,800.0	89.20	168.88	11,763.3	-642.8	47.6	643.7	1.85	-1.26	-1.35	
12,900.0	89.23	172.34	11,765.1	-741.3	64.7	742.5	3.46	0.03	3.46	
13,000.0	89.61	175.64	11,765.7	-840.8	74.1	842.2	3.32	0.38	3.30	
13,100.0	88.07	175.22	11,767.4	-940.5	81.6	942.1	1.60	-1.54	-0.42	
13,200.0	87.53	175.94	11,771.9	-1,040.1	90.1	1,041.7	0.89	-0.53	0.72	
13,300.0	88.79	177.02	11,775.2	-1,139.8	95.9	1,141.6	1.66	1.26	1.08	
13,400.0	87.01	177.74	11,778.0	-1,239.7	100.5	1,241.5	1.92	-1.78	0.71	
13,500.0	88.12	180.59	11,783.2	-1,339.5	102.4	1,341.4	3.07	1.11	2.86	
13,600.0	87.52	178.71	11,786.5	-1,439.4	102.0	1,441.3	1.98	-0.61	-1.88	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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	88.58	179.26	11,790.2	-1,539.3	104.3	1,541.2	1.20	1.07	0.55	
13,800.0	88.60	174.76	11,792.6	-1,639.2	109.1	1,641.1	4.50	0.01	-4.50	
13,900.0	88.91	175.64	11,794.7	-1,738.8	117.6	1,740.9	0.93	0.31	0.88	
14,000.0	87.50	174.49	11,798.0	-1,838.3	126.4	1,840.6	1.82	-1.41	-1.15	
14,100.0	88.80	176.06	11,801.4	-1,938.0	134.5	1,940.4	2.04	1.30	1.57	
14,200.0	91.33	176.97	11,801.0	-2,037.7	140.7	2,040.3	2.69	2.53	0.91	
14,300.0	91.54	178.56	11,797.9	-2,137.6	144.4	2,140.2	1.60	0.20	1.58	
14,400.0	90.16	179.91	11,797.4	-2,237.6	146.2	2,240.2	1.94	-1.38	1.35	
14,500.0	92.13	181.79	11,795.0	-2,337.5	144.0	2,340.1	2.72	1.97	1.88	
14,600.0	92.70	181.19	11,791.0	-2,437.4	141.5	2,439.9	0.83	0.58	-0.60	
14,700.0	92.22	180.10	11,785.8	-2,537.3	139.9	2,539.7	1.19	-0.49	-1.09	
14,800.0	90.93	179.32	11,783.8	-2,637.2	141.1	2,639.6	1.50	-1.28	-0.78	
14,900.0	91.26	179.03	11,781.8	-2,737.2	142.1	2,739.6	0.43	0.32	-0.29	
15,000.0	90.99	177.66	11,779.7	-2,837.1	144.9	2,839.6	1.39	-0.26	-1.37	
15,100.0	91.23	178.08	11,778.0	-2,937.0	149.3	2,939.6	0.48	0.24	0.41	
15,200.0	89.34	178.39	11,776.8	-3,037.0	152.0	3,039.5	1.92	-1.89	0.31	
15,300.0	89.41	179.49	11,778.7	-3,136.9	154.2	3,139.5	1.10	0.07	1.10	
15,400.0	89.87	180.24	11,779.0	-3,236.9	154.1	3,239.5	0.88	0.45	0.75	
15,500.0	89.37	180.39	11,779.5	-3,336.9	153.6	3,339.5	0.52	-0.50	0.15	
15,600.0	91.65	181.76	11,779.5	-3,436.9	152.0	3,439.4	2.66	2.28	1.37	
15,700.0	91.16	181.89	11,776.0	-3,536.8	148.4	3,539.1	0.51	-0.49	0.13	
15,800.0	92.23	181.97	11,773.7	-3,636.7	145.2	3,639.0	1.08	1.07	0.09	
15,900.0	93.93	182.32	11,768.3	-3,736.5	141.4	3,738.6	1.73	1.70	0.34	
16,000.0	90.51	181.12	11,763.9	-3,836.3	138.3	3,838.4	3.63	-3.43	-1.20	
16,100.0	88.96	180.41	11,764.5	-3,936.3	137.0	3,938.3	1.70	-1.55	-0.71	
16,200.0	86.99	178.84	11,768.1	-4,036.2	137.6	4,038.2	2.52	-1.97	-1.57	
16,300.0	88.33	178.10	11,772.2	-4,136.1	140.4	4,138.1	1.53	1.34	-0.74	
16,400.0	88.89	178.82	11,773.9	-4,236.0	143.0	4,238.1	0.91	0.56	0.72	
16,500.0	83.35	178.24	11,781.5	-4,335.7	145.4	4,337.8	5.56	-5.53	-0.58	
16,600.0	84.66	177.14	11,792.2	-4,435.0	149.6	4,437.2	1.70	1.30	-1.10	
16,700.0	86.92	176.93	11,799.3	-4,534.6	154.6	4,536.9	2.27	2.26	-0.22	
16,800.0	88.36	176.57	11,803.5	-4,634.3	160.8	4,636.7	1.49	1.45	-0.36	
16,900.0	88.56	177.71	11,805.4	-4,734.2	165.5	4,736.7	1.16	0.20	1.15	
17,000.0	87.74	178.10	11,809.5	-4,834.1	169.2	4,836.6	0.90	-0.82	0.39	
17,100.0	90.77	179.46	11,811.4	-4,934.0	171.7	4,936.5	3.32	3.03	1.36	
17,200.0	91.79	181.34	11,807.6	-5,033.9	170.8	5,036.4	2.14	1.02	1.88	
17,216.3	91.23	181.47	11,807.2	-5,050.2	170.4	5,052.7	3.55	-3.46	0.79	
Holly 111H into NMNM137473										
17,300.0	88.33	182.12	11,807.1	-5,133.8	167.5	5,136.2	3.55	-3.46	0.79	
17,400.0	86.41	181.05	11,812.6	-5,233.6	164.3	5,235.9	2.20	-1.92	-1.08	
17,500.0	90.85	181.17	11,816.4	-5,333.5	163.0	5,335.8	4.44	4.44	0.13	
17,600.0	90.80	181.00	11,813.0	-5,433.4	160.7	5,435.6	0.18	-0.06	-0.17	
17,700.0	88.59	179.60	11,813.8	-5,533.4	160.1	5,535.6	2.61	-2.21	-1.40	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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	86.07	177.91	11,818.3	-5,633.3	162.2	5,635.4	3.03	-2.52	-1.69
17,900.0	86.95	177.81	11,825.0	-5,733.0	166.2	5,735.2	0.88	0.88	-0.10
18,000.0	88.10	176.83	11,829.2	-5,832.8	170.7	5,835.1	1.52	1.16	-0.98
18,100.0	90.15	177.24	11,830.8	-5,932.6	176.0	5,935.0	2.08	2.04	0.41
18,200.0	90.92	178.08	11,829.9	-6,032.5	180.1	6,035.0	1.14	0.77	0.84
18,300.0	92.16	179.59	11,827.1	-6,132.5	182.1	6,134.9	1.95	1.24	1.51
18,400.0	91.74	180.03	11,823.7	-6,232.4	182.4	6,234.9	0.60	-0.41	0.44
18,500.0	91.56	180.08	11,820.6	-6,332.4	182.1	6,334.8	0.19	-0.19	0.04
18,600.0	89.64	179.15	11,819.5	-6,432.3	182.8	6,434.8	2.13	-1.92	-0.93
18,700.0	88.39	178.38	11,821.9	-6,532.3	185.1	6,534.7	1.47	-1.26	-0.77
18,800.0	88.83	177.77	11,823.6	-6,632.2	188.1	6,634.7	0.75	0.44	-0.61
18,900.0	88.08	177.26	11,827.1	-6,732.0	193.2	6,734.6	0.90	-0.74	-0.52
19,000.0	88.41	178.12	11,829.4	-6,831.9	196.7	6,834.6	0.92	0.33	0.86
19,100.0	87.42	178.46	11,833.4	-6,931.8	200.1	6,934.5	1.05	-0.99	0.34
19,200.0	87.17	179.99	11,838.0	-7,031.7	201.5	7,034.4	1.55	-0.25	1.53
19,300.0	87.49	180.88	11,843.0	-7,131.5	200.5	7,134.2	0.95	0.32	0.90
19,400.0	89.35	181.33	11,846.1	-7,231.5	198.6	7,234.1	1.91	1.86	0.44
19,500.0	90.62	181.41	11,845.8	-7,331.4	196.1	7,333.9	1.28	1.27	0.08
19,600.0	91.51	181.24	11,844.0	-7,431.4	193.8	7,433.8	0.90	0.89	-0.17
19,700.0	91.42	181.06	11,841.2	-7,531.3	191.8	7,533.7	0.19	-0.09	-0.17
19,800.0	91.64	180.39	11,838.6	-7,631.3	190.4	7,633.6	0.71	0.22	-0.67
19,900.0	91.91	179.81	11,835.5	-7,731.2	190.3	7,733.5	0.64	0.27	-0.58
20,000.0	89.08	179.33	11,834.5	-7,831.2	191.0	7,833.5	2.87	-2.83	-0.48
20,100.0	89.02	179.54	11,836.1	-7,931.2	192.0	7,933.5	0.22	-0.06	0.21
20,200.0	86.88	180.52	11,839.8	-8,031.1	192.0	8,033.4	2.35	-2.14	0.98
20,300.0	87.29	181.29	11,845.4	-8,131.0	190.4	8,133.2	0.87	0.41	0.77
20,400.0	90.62	181.67	11,846.1	-8,230.9	187.6	8,233.0	3.35	3.33	0.38
20,500.0	87.17	180.40	11,848.3	-8,330.8	185.6	8,332.9	3.67	-3.45	-1.26
20,600.0	85.77	178.89	11,855.0	-8,430.6	186.8	8,432.6	2.05	-1.40	-1.51
20,700.0	86.41	179.26	11,861.5	-8,530.4	188.0	8,532.4	0.73	0.63	0.37
20,800.0	85.50	178.58	11,868.4	-8,630.1	190.0	8,632.2	1.13	-0.91	-0.68
20,900.0	84.43	177.92	11,877.3	-8,729.7	192.9	8,731.8	1.26	-1.07	-0.65
21,000.0	84.48	177.14	11,887.3	-8,829.1	197.3	8,831.3	0.79	0.05	-0.79
21,100.0	84.88	177.05	11,896.4	-8,928.5	202.6	8,930.8	0.40	0.40	-0.08
21,200.0	85.59	177.66	11,905.0	-9,028.0	207.2	9,030.4	0.94	0.72	0.61
21,300.0	86.64	178.71	11,911.6	-9,127.8	210.5	9,130.2	1.48	1.05	1.05
21,400.0	86.99	179.36	11,917.0	-9,227.6	212.0	9,230.0	0.73	0.35	0.65
21,500.0	88.26	179.14	11,921.5	-9,327.5	213.2	9,329.9	1.29	1.27	-0.21
21,600.0	88.21	179.40	11,924.2	-9,427.4	214.6	9,429.9	0.26	-0.05	0.26
21,700.0	89.10	179.27	11,926.8	-9,527.4	215.6	9,529.8	0.90	0.89	-0.13
21,800.0	90.96	179.63	11,926.8	-9,627.4	216.7	9,629.8	1.90	1.86	0.36
21,900.0	91.65	179.38	11,924.4	-9,727.4	217.5	9,729.8	0.73	0.68	-0.25
22,000.0	91.64	179.85	11,921.5	-9,827.3	218.2	9,829.7	0.47	-0.01	0.47
22,100.0	89.08	179.62	11,920.9	-9,927.3	218.6	9,929.7	2.57	-2.56	-0.24



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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)
22,200.0	86.92	180.13	11,924.6	-10,027.2	218.9	10,029.6	2.22	-2.16	0.51
22,300.0	87.05	180.66	11,929.6	-10,127.1	218.0	10,129.4	0.55	0.13	0.54
22,400.0	84.81	179.04	11,936.3	-10,226.9	218.0	10,229.2	2.77	-2.24	-1.62
Holly 111H As Drilled BHL - Holly 111H As Drilled LTP									

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 111H As Drilled KC - actual wellpath misses target center by 0.2usft at 11152.0usft MD (11124.9 TVD, 493.5 N, 121.6 E) - Point	0.00	0.00	11,124.9	493.5	121.8	394,500.01	863,143.06	32° 4' 49.079 N	103° 17' 39.586 W
Holly 111H As Drilled FT - actual wellpath misses target center by 0.1usft at 12011.6usft MD (11734.3 TVD, 126.0 N, -108.4 E) - Point	0.00	0.00	11,734.4	126.1	-108.4	394,132.55	862,912.86	32° 4' 45.465 N	103° 17' 42.302 W
Holly 111H into NMNM1: - actual wellpath hits target center - Point	0.00	0.00	11,807.2	-5,050.2	170.4	388,956.29	863,191.64	32° 3' 54.222 N	103° 17' 39.642 W
Holly 111H As Drilled LTI - actual wellpath misses target center by 5.2usft at 22400.0usft MD (11936.3 TVD, -10226.9 N, 218.0 E) - Point	0.00	0.00	11,936.8	-10,232.0	218.1	383,774.49	863,239.37	32° 3' 2.945 N	103° 17' 39.667 W
Holly 111H As Drilled BH - actual wellpath misses target center by 57.0usft at 22400.0usft MD (11936.3 TVD, -10226.9 N, 218.0 E) - Point	0.00	0.00	11,941.5	-10,283.6	219.0	383,722.87	863,240.24	32° 3' 2.434 N	103° 17' 39.662 W

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

RB/HOL

RB/HOL #1S

Holly 111H

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 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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 #1S			
Site Position:		Northing:	394,006.29 usft	Latitude:	32° 4' 44.208 N
From:	Lat/Long	Easting:	863,001.28 usft	Longitude:	103° 17' 41.289 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.55 °

Well	Holly 111H					
Well Position	+N/-S	0.0 usft	Northing:	394,006.49 usft	Latitude:	32° 4' 44.208 N
	+E/-W	0.0 usft	Easting:	863,021.26 usft	Longitude:	103° 17' 41.056 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,007.0 usft

Wellbore	Final Surveys				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/27/2020	6.51	59.94	47,598.16775864

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	178.78	

Survey Program	Date	3/27/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
120.0	22,457.0	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	-229.8	290.0	32° 4' 44.208 N	103° 17' 41.056 W	
100.0	0.17	310.00	100.0	-229.7	289.9	32° 4' 44.209 N	103° 17' 41.058 W	
200.0	0.57	165.67	200.0	-230.0	289.8	32° 4' 44.206 N	103° 17' 41.058 W	
300.0	0.70	129.38	300.0	-231.0	290.4	32° 4' 44.196 N	103° 17' 41.052 W	
400.0	0.11	186.88	400.0	-231.4	290.9	32° 4' 44.192 N	103° 17' 41.046 W	
500.0	0.33	237.01	500.0	-231.7	290.6	32° 4' 44.189 N	103° 17' 41.049 W	
600.0	0.80	257.47	600.0	-231.8	289.6	32° 4' 44.188 N	103° 17' 41.061 W	
700.0	1.39	214.81	700.0	-233.4	288.4	32° 4' 44.173 N	103° 17' 41.076 W	
800.0	1.20	269.11	799.9	-234.2	286.5	32° 4' 44.165 N	103° 17' 41.097 W	
900.0	0.99	254.21	899.9	-234.2	284.5	32° 4' 44.165 N	103° 17' 41.121 W	
1,000.0	0.96	222.08	999.9	-235.4	283.4	32° 4' 44.153 N	103° 17' 41.134 W	
1,100.0	1.07	246.55	1,099.9	-236.2	281.8	32° 4' 44.145 N	103° 17' 41.152 W	



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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	1.05	214.79	1,199.9	-237.6	280.5	32° 4' 44.132 N	103° 17' 41.167 W
1,300.0	0.86	274.38	1,299.9	-238.3	279.4	32° 4' 44.125 N	103° 17' 41.180 W
1,400.0	1.11	281.99	1,399.8	-237.8	277.5	32° 4' 44.130 N	103° 17' 41.202 W
1,500.0	1.01	280.70	1,499.8	-237.5	275.7	32° 4' 44.133 N	103° 17' 41.223 W
1,600.0	0.92	332.01	1,599.8	-236.7	274.4	32° 4' 44.141 N	103° 17' 41.239 W
1,700.0	1.62	10.55	1,699.8	-234.6	274.2	32° 4' 44.162 N	103° 17' 41.240 W
1,800.0	1.65	15.71	1,799.7	-231.7	275.0	32° 4' 44.190 N	103° 17' 41.231 W
1,900.0	1.79	15.48	1,899.7	-228.9	275.8	32° 4' 44.218 N	103° 17' 41.221 W
2,000.0	2.62	15.39	1,999.6	-225.2	276.8	32° 4' 44.255 N	103° 17' 41.209 W
2,100.0	4.82	21.30	2,099.4	-219.1	278.9	32° 4' 44.315 N	103° 17' 41.184 W
2,200.0	6.81	21.78	2,198.9	-209.6	282.7	32° 4' 44.409 N	103° 17' 41.139 W
2,300.0	6.95	22.00	2,298.1	-198.4	287.2	32° 4' 44.519 N	103° 17' 41.086 W
2,400.0	6.82	22.96	2,397.4	-187.4	291.7	32° 4' 44.628 N	103° 17' 41.031 W
2,500.0	6.85	24.43	2,496.7	-176.4	296.5	32° 4' 44.735 N	103° 17' 40.975 W
2,600.0	6.75	24.30	2,596.0	-165.7	301.6	32° 4' 44.841 N	103° 17' 40.915 W
2,700.0	6.61	21.14	2,695.3	-154.9	305.8	32° 4' 44.947 N	103° 17' 40.864 W
2,800.0	6.44	23.91	2,794.7	-144.3	310.3	32° 4' 45.051 N	103° 17' 40.811 W
2,900.0	5.88	22.49	2,894.1	-134.5	314.7	32° 4' 45.148 N	103° 17' 40.759 W
3,000.0	5.29	20.32	2,993.6	-125.4	318.0	32° 4' 45.238 N	103° 17' 40.719 W
3,100.0	4.84	22.33	3,093.2	-117.2	321.3	32° 4' 45.319 N	103° 17' 40.680 W
3,200.0	4.57	11.52	3,192.9	-109.6	324.0	32° 4' 45.394 N	103° 17' 40.648 W
3,300.0	4.68	356.76	3,292.6	-101.6	324.4	32° 4' 45.473 N	103° 17' 40.642 W
3,400.0	4.48	357.18	3,392.3	-93.5	323.7	32° 4' 45.553 N	103° 17' 40.649 W
3,500.0	4.93	4.01	3,491.9	-85.5	323.8	32° 4' 45.633 N	103° 17' 40.647 W
3,600.0	5.41	10.27	3,591.5	-76.5	325.0	32° 4' 45.721 N	103° 17' 40.633 W
3,700.0	5.16	13.19	3,691.1	-67.4	326.9	32° 4' 45.811 N	103° 17' 40.609 W
3,800.0	4.64	14.91	3,790.7	-59.1	329.0	32° 4' 45.893 N	103° 17' 40.584 W
3,900.0	4.37	13.64	3,890.4	-51.5	330.9	32° 4' 45.968 N	103° 17' 40.561 W
4,000.0	4.15	10.76	3,990.1	-44.2	332.5	32° 4' 46.040 N	103° 17' 40.542 W
4,100.0	3.89	4.38	4,089.9	-37.3	333.4	32° 4' 46.108 N	103° 17' 40.530 W
4,200.0	3.67	3.77	4,189.7	-30.8	333.8	32° 4' 46.173 N	103° 17' 40.525 W
4,300.0	4.19	10.39	4,289.4	-24.2	334.6	32° 4' 46.238 N	103° 17' 40.514 W
4,400.0	5.79	13.48	4,389.1	-15.5	336.6	32° 4' 46.323 N	103° 17' 40.491 W
4,500.0	6.30	12.00	4,488.5	-5.1	338.9	32° 4' 46.427 N	103° 17' 40.462 W
4,600.0	6.16	11.65	4,587.9	5.5	341.1	32° 4' 46.531 N	103° 17' 40.436 W
4,700.0	6.69	12.32	4,687.3	16.3	343.4	32° 4' 46.637 N	103° 17' 40.408 W
4,800.0	7.08	12.95	4,786.5	28.2	346.1	32° 4' 46.756 N	103° 17' 40.375 W
4,900.0	6.64	13.15	4,885.8	39.9	348.8	32° 4' 46.871 N	103° 17' 40.342 W
5,000.0	6.20	13.10	4,985.2	50.8	351.4	32° 4' 46.978 N	103° 17' 40.312 W
5,100.0	5.83	11.69	5,084.6	61.0	353.7	32° 4' 47.079 N	103° 17' 40.284 W
5,200.0	5.33	12.33	5,184.2	70.6	355.6	32° 4' 47.174 N	103° 17' 40.260 W
5,300.0	5.58	13.34	5,283.7	79.6	357.7	32° 4' 47.263 N	103° 17' 40.235 W
5,400.0	6.24	10.97	5,383.2	89.6	359.9	32° 4' 47.362 N	103° 17' 40.208 W
5,500.0	6.03	11.31	5,482.6	100.3	361.9	32° 4' 47.468 N	103° 17' 40.183 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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	5.73	12.92	5,582.1	110.3	364.1	32° 4' 47.566 N	103° 17' 40.157 W
5,700.0	5.67	12.81	5,681.6	120.0	366.3	32° 4' 47.661 N	103° 17' 40.130 W
5,800.0	6.18	10.59	5,781.1	130.0	368.4	32° 4' 47.760 N	103° 17' 40.105 W
5,900.0	7.37	9.62	5,880.4	141.6	370.4	32° 4' 47.875 N	103° 17' 40.080 W
6,000.0	6.90	9.38	5,979.6	153.8	372.5	32° 4' 47.996 N	103° 17' 40.054 W
6,100.0	6.83	7.52	6,078.9	165.7	374.2	32° 4' 48.113 N	103° 17' 40.033 W
6,200.0	6.83	9.35	6,178.2	177.4	376.0	32° 4' 48.229 N	103° 17' 40.011 W
6,300.0	6.82	9.79	6,277.4	189.2	378.0	32° 4' 48.345 N	103° 17' 39.987 W
6,400.0	6.41	8.16	6,376.8	200.6	379.8	32° 4' 48.458 N	103° 17' 39.964 W
6,500.0	5.90	9.77	6,476.2	211.2	381.3	32° 4' 48.562 N	103° 17' 39.946 W
6,600.0	5.61	17.21	6,575.7	220.8	383.7	32° 4' 48.658 N	103° 17' 39.917 W
6,700.0	5.39	18.37	6,675.2	230.0	386.7	32° 4' 48.748 N	103° 17' 39.881 W
6,800.0	4.77	20.66	6,774.8	238.5	389.6	32° 4' 48.832 N	103° 17' 39.847 W
6,900.0	3.65	28.17	6,874.6	245.2	392.6	32° 4' 48.898 N	103° 17' 39.810 W
7,000.0	2.82	35.33	6,974.4	249.9	395.5	32° 4' 48.944 N	103° 17' 39.776 W
7,100.0	2.07	37.72	7,074.3	253.3	398.2	32° 4' 48.978 N	103° 17' 39.745 W
7,200.0	1.77	45.65	7,174.3	255.8	400.2	32° 4' 49.002 N	103° 17' 39.721 W
7,300.0	1.85	48.82	7,274.2	257.9	402.6	32° 4' 49.022 N	103° 17' 39.693 W
7,400.0	1.70	46.27	7,374.2	260.0	404.9	32° 4' 49.043 N	103° 17' 39.666 W
7,500.0	1.74	43.40	7,474.1	262.1	407.0	32° 4' 49.064 N	103° 17' 39.641 W
7,600.0	1.33	59.12	7,574.1	263.8	409.0	32° 4' 49.081 N	103° 17' 39.617 W
7,700.0	0.84	106.59	7,674.1	264.2	410.8	32° 4' 49.085 N	103° 17' 39.598 W
7,800.0	0.90	120.25	7,774.1	263.6	412.1	32° 4' 49.078 N	103° 17' 39.582 W
7,900.0	1.06	102.48	7,874.0	263.1	413.7	32° 4' 49.073 N	103° 17' 39.563 W
8,000.0	1.21	145.67	7,974.0	262.0	415.2	32° 4' 49.062 N	103° 17' 39.546 W
8,100.0	1.46	154.37	8,074.0	259.9	416.4	32° 4' 49.041 N	103° 17' 39.533 W
8,200.0	1.09	154.16	8,174.0	257.9	417.4	32° 4' 49.021 N	103° 17' 39.522 W
8,300.0	0.96	157.00	8,274.0	256.3	418.0	32° 4' 49.006 N	103° 17' 39.514 W
8,400.0	1.02	145.65	8,373.9	254.7	418.9	32° 4' 48.990 N	103° 17' 39.504 W
8,500.0	0.75	140.78	8,473.9	253.5	419.8	32° 4' 48.978 N	103° 17' 39.493 W
8,600.0	0.57	142.43	8,573.9	252.6	420.5	32° 4' 48.969 N	103° 17' 39.485 W
8,700.0	0.57	163.10	8,673.9	251.8	421.0	32° 4' 48.961 N	103° 17' 39.479 W
8,800.0	0.67	184.58	8,773.9	250.7	421.1	32° 4' 48.950 N	103° 17' 39.479 W
8,900.0	0.77	199.06	8,873.9	249.5	420.9	32° 4' 48.938 N	103° 17' 39.482 W
9,000.0	0.96	193.14	8,973.9	248.1	420.4	32° 4' 48.924 N	103° 17' 39.488 W
9,100.0	1.00	181.83	9,073.9	246.4	420.1	32° 4' 48.907 N	103° 17' 39.490 W
9,200.0	1.18	178.85	9,173.9	244.5	420.2	32° 4' 48.888 N	103° 17' 39.490 W
9,300.0	1.00	159.73	9,273.8	242.5	420.4	32° 4' 48.869 N	103° 17' 39.488 W
9,400.0	0.94	151.17	9,373.8	241.0	421.2	32° 4' 48.854 N	103° 17' 39.479 W
9,500.0	0.71	121.92	9,473.8	240.0	422.1	32° 4' 48.843 N	103° 17' 39.469 W
9,600.0	1.28	76.52	9,573.8	239.9	423.7	32° 4' 48.843 N	103° 17' 39.450 W
9,700.0	1.47	62.22	9,673.8	240.8	425.9	32° 4' 48.851 N	103° 17' 39.424 W
9,800.0	1.39	60.30	9,773.7	241.9	428.1	32° 4' 48.862 N	103° 17' 39.399 W
9,900.0	1.52	54.91	9,873.7	243.4	430.2	32° 4' 48.876 N	103° 17' 39.374 W



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Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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	1.42	59.50	9,973.7	244.8	432.4	32° 4' 48.890 N	103° 17' 39.348 W
10,100.0	1.33	64.66	10,073.6	245.9	434.5	32° 4' 48.901 N	103° 17' 39.324 W
10,200.0	1.13	60.73	10,173.6	246.8	436.5	32° 4' 48.910 N	103° 17' 39.300 W
10,300.0	0.74	30.61	10,273.6	247.8	437.7	32° 4' 48.920 N	103° 17' 39.286 W
10,400.0	0.81	336.78	10,373.6	249.1	437.7	32° 4' 48.932 N	103° 17' 39.286 W
10,500.0	1.28	311.12	10,473.6	250.4	436.7	32° 4' 48.946 N	103° 17' 39.298 W
10,600.0	1.97	300.28	10,573.5	252.0	434.3	32° 4' 48.961 N	103° 17' 39.325 W
10,700.0	2.57	298.98	10,673.5	254.0	430.8	32° 4' 48.981 N	103° 17' 39.366 W
10,800.0	2.59	298.05	10,773.3	256.2	426.7	32° 4' 49.004 N	103° 17' 39.413 W
10,900.0	2.74	294.88	10,873.2	258.2	422.7	32° 4' 49.024 N	103° 17' 39.460 W
11,000.0	2.78	296.27	10,973.1	260.3	418.3	32° 4' 49.045 N	103° 17' 39.510 W
11,100.0	2.77	297.96	11,073.0	262.5	414.0	32° 4' 49.067 N	103° 17' 39.560 W
11,152.0	3.08	293.99	11,124.9	263.7	411.6	32° 4' 49.079 N	103° 17' 39.588 W
Holly 111H As Drilled KOP							
11,200.0	3.38	290.98	11,172.9	264.8	409.5	32° 4' 49.090 N	103° 17' 39.613 W
11,300.0	14.12	275.81	11,271.8	267.0	396.1	32° 4' 49.114 N	103° 17' 39.768 W
11,400.0	27.00	264.75	11,365.2	267.7	361.0	32° 4' 49.124 N	103° 17' 40.176 W
11,500.0	38.23	248.70	11,449.0	255.6	308.3	32° 4' 49.009 N	103° 17' 40.789 W
11,600.0	44.76	228.33	11,523.0	221.3	251.0	32° 4' 48.675 N	103° 17' 41.459 W
11,700.0	51.94	210.25	11,589.8	163.4	204.8	32° 4' 48.106 N	103° 17' 42.002 W
11,800.0	59.94	192.89	11,645.8	86.7	174.5	32° 4' 47.351 N	103° 17' 42.363 W
11,900.0	65.07	175.23	11,691.6	-1.6	168.3	32° 4' 46.478 N	103° 17' 42.445 W
12,000.0	69.13	171.96	11,730.3	-93.0	180.0	32° 4' 45.572 N	103° 17' 42.319 W
12,011.6	70.56	171.93	11,734.3	-103.7	181.6	32° 4' 45.465 N	103° 17' 42.302 W
Holly 111H As Drilled FTP							
12,100.0	81.49	171.70	11,756.1	-188.4	193.8	32° 4' 44.627 N	103° 17' 42.170 W
12,200.0	89.69	168.76	11,763.6	-286.6	210.7	32° 4' 43.654 N	103° 17' 41.985 W
12,300.0	90.49	165.86	11,763.2	-384.1	232.8	32° 4' 42.687 N	103° 17' 41.739 W
12,400.0	88.88	165.23	11,764.1	-480.9	257.9	32° 4' 41.727 N	103° 17' 41.457 W
12,500.0	90.09	166.76	11,764.9	-577.8	282.4	32° 4' 40.765 N	103° 17' 41.183 W
12,600.0	90.69	170.05	11,764.2	-675.8	302.2	32° 4' 39.794 N	103° 17' 40.964 W
12,700.0	90.46	170.23	11,762.9	-774.5	318.4	32° 4' 38.816 N	103° 17' 40.787 W
12,800.0	89.20	168.88	11,763.3	-872.6	337.6	32° 4' 37.843 N	103° 17' 40.575 W
12,900.0	89.23	172.34	11,765.1	-971.1	354.7	32° 4' 36.867 N	103° 17' 40.387 W
13,000.0	89.61	175.64	11,765.7	-1,070.6	364.1	32° 4' 35.881 N	103° 17' 40.289 W
13,100.0	88.07	175.22	11,767.4	-1,170.3	371.6	32° 4' 34.894 N	103° 17' 40.213 W
13,200.0	87.53	175.94	11,771.9	-1,269.9	380.1	32° 4' 33.908 N	103° 17' 40.126 W
13,300.0	88.79	177.02	11,775.2	-1,369.6	385.8	32° 4' 32.920 N	103° 17' 40.070 W
13,400.0	87.01	177.74	11,778.0	-1,469.5	390.5	32° 4' 31.932 N	103° 17' 40.027 W
13,500.0	88.12	180.59	11,783.2	-1,569.3	392.4	32° 4' 30.944 N	103° 17' 40.016 W
13,600.0	87.52	178.71	11,786.5	-1,669.3	392.0	32° 4' 29.955 N	103° 17' 40.032 W
13,700.0	88.58	179.26	11,790.2	-1,769.2	394.3	32° 4' 28.966 N	103° 17' 40.016 W
13,800.0	88.60	174.76	11,792.6	-1,869.0	399.1	32° 4' 27.978 N	103° 17' 39.972 W
13,900.0	88.91	175.64	11,794.7	-1,968.6	407.6	32° 4' 26.992 N	103° 17' 39.884 W
14,000.0	87.50	174.49	11,798.0	-2,068.2	416.3	32° 4' 26.006 N	103° 17' 39.794 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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	88.80	176.06	11,801.4	-2,167.8	424.5	32° 4' 25.020 N	103° 17' 39.710 W
14,200.0	91.33	176.97	11,801.0	-2,267.6	430.7	32° 4' 24.032 N	103° 17' 39.649 W
14,300.0	91.54	178.56	11,797.9	-2,367.4	434.4	32° 4' 23.043 N	103° 17' 39.617 W
14,400.0	90.16	179.91	11,797.4	-2,467.4	436.2	32° 4' 22.054 N	103° 17' 39.608 W
14,500.0	92.13	181.79	11,795.0	-2,567.3	434.0	32° 4' 21.065 N	103° 17' 39.645 W
14,600.0	92.70	181.19	11,791.0	-2,667.2	431.5	32° 4' 20.077 N	103° 17' 39.685 W
14,700.0	92.22	180.10	11,785.8	-2,767.1	429.9	32° 4' 19.089 N	103° 17' 39.714 W
14,800.0	90.93	179.32	11,783.8	-2,867.0	431.1	32° 4' 18.100 N	103° 17' 39.712 W
14,900.0	91.26	179.03	11,781.8	-2,967.0	432.1	32° 4' 17.110 N	103° 17' 39.712 W
15,000.0	90.99	177.66	11,779.7	-3,067.0	434.9	32° 4' 16.121 N	103° 17' 39.689 W
15,100.0	91.23	178.08	11,778.0	-3,166.8	439.2	32° 4' 15.132 N	103° 17' 39.650 W
15,200.0	89.34	178.39	11,776.8	-3,266.8	442.0	32° 4' 14.143 N	103° 17' 39.630 W
15,300.0	89.41	179.49	11,778.7	-3,366.8	444.2	32° 4' 13.154 N	103° 17' 39.616 W
15,400.0	89.87	180.24	11,779.0	-3,466.7	444.1	32° 4' 12.165 N	103° 17' 39.628 W
15,500.0	89.37	180.39	11,779.5	-3,566.7	443.5	32° 4' 11.175 N	103° 17' 39.645 W
15,600.0	91.65	181.76	11,779.5	-3,666.7	442.0	32° 4' 10.186 N	103° 17' 39.674 W
15,700.0	91.16	181.89	11,776.0	-3,766.6	438.4	32° 4' 9.198 N	103° 17' 39.728 W
15,800.0	92.23	181.97	11,773.7	-3,866.5	435.1	32° 4' 8.210 N	103° 17' 39.776 W
15,900.0	93.93	182.32	11,768.3	-3,966.3	431.4	32° 4' 7.223 N	103° 17' 39.831 W
16,000.0	90.51	181.12	11,763.9	-4,066.1	428.3	32° 4' 6.236 N	103° 17' 39.879 W
16,100.0	88.96	180.41	11,764.5	-4,166.1	427.0	32° 4' 5.246 N	103° 17' 39.905 W
16,200.0	86.99	178.84	11,768.1	-4,266.0	427.6	32° 4' 4.258 N	103° 17' 39.909 W
16,300.0	88.33	178.10	11,772.2	-4,365.9	430.4	32° 4' 3.269 N	103° 17' 39.888 W
16,400.0	88.89	178.82	11,773.9	-4,465.9	432.9	32° 4' 2.280 N	103° 17' 39.869 W
16,500.0	83.35	178.24	11,781.5	-4,565.5	435.4	32° 4' 1.294 N	103° 17' 39.852 W
16,600.0	84.66	177.14	11,792.2	-4,664.8	439.6	32° 4' 0.311 N	103° 17' 39.814 W
16,700.0	86.92	176.93	11,799.3	-4,764.4	444.5	32° 3' 59.324 N	103° 17' 39.768 W
16,800.0	88.36	176.57	11,803.5	-4,864.1	450.7	32° 3' 58.337 N	103° 17' 39.707 W
16,900.0	88.56	177.71	11,805.4	-4,964.0	455.5	32° 3' 57.349 N	103° 17' 39.663 W
17,000.0	87.74	178.10	11,809.5	-5,063.9	459.2	32° 3' 56.360 N	103° 17' 39.631 W
17,100.0	90.77	179.46	11,811.4	-5,163.8	461.7	32° 3' 55.371 N	103° 17' 39.613 W
17,200.0	91.79	181.34	11,807.6	-5,263.7	460.8	32° 3' 54.383 N	103° 17' 39.635 W
17,216.3	91.23	181.47	11,807.2	-5,280.0	460.4	32° 3' 54.222 N	103° 17' 39.641 W
Holly 111H into NMNM137473							
17,300.0	88.33	182.12	11,807.1	-5,363.6	457.5	32° 3' 53.394 N	103° 17' 39.684 W
17,400.0	86.41	181.05	11,812.6	-5,463.4	454.3	32° 3' 52.407 N	103° 17' 39.733 W
17,500.0	90.85	181.17	11,816.4	-5,563.3	453.0	32° 3' 51.419 N	103° 17' 39.759 W
17,600.0	90.80	181.00	11,813.0	-5,663.2	450.7	32° 3' 50.431 N	103° 17' 39.797 W
17,700.0	88.59	179.60	11,813.8	-5,763.2	450.0	32° 3' 49.441 N	103° 17' 39.816 W
17,800.0	86.07	177.91	11,818.3	-5,863.1	452.2	32° 3' 48.453 N	103° 17' 39.802 W
17,900.0	86.95	177.81	11,825.0	-5,962.8	456.1	32° 3' 47.466 N	103° 17' 39.767 W
18,000.0	88.10	176.83	11,829.2	-6,062.6	460.7	32° 3' 46.478 N	103° 17' 39.725 W
18,100.0	90.15	177.24	11,830.8	-6,162.4	466.0	32° 3' 45.490 N	103° 17' 39.675 W
18,200.0	90.92	178.08	11,829.9	-6,262.3	470.1	32° 3' 44.501 N	103° 17' 39.639 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	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	92.16	179.59	11,827.1	-6,362.3	472.0	32° 3' 43.512 N	103° 17' 39.627 W
18,400.0	91.74	180.03	11,823.7	-6,462.2	472.3	32° 3' 42.523 N	103° 17' 39.635 W
18,500.0	91.56	180.08	11,820.6	-6,562.2	472.1	32° 3' 41.534 N	103° 17' 39.649 W
18,600.0	89.64	179.15	11,819.5	-6,662.1	472.8	32° 3' 40.544 N	103° 17' 39.652 W
18,700.0	88.39	178.38	11,821.9	-6,762.1	475.1	32° 3' 39.555 N	103° 17' 39.636 W
18,800.0	88.83	177.77	11,823.6	-6,862.0	478.1	32° 3' 38.566 N	103° 17' 39.613 W
18,900.0	88.08	177.26	11,827.1	-6,961.8	483.2	32° 3' 37.578 N	103° 17' 39.564 W
19,000.0	88.41	178.12	11,829.4	-7,061.7	486.7	32° 3' 36.589 N	103° 17' 39.535 W
19,100.0	87.42	178.46	11,833.4	-7,161.6	490.1	32° 3' 35.601 N	103° 17' 39.506 W
19,200.0	87.17	179.99	11,838.0	-7,261.5	491.5	32° 3' 34.613 N	103° 17' 39.501 W
19,300.0	87.49	180.88	11,843.0	-7,361.3	490.5	32° 3' 33.624 N	103° 17' 39.524 W
19,400.0	89.35	181.33	11,846.1	-7,461.3	488.6	32° 3' 32.636 N	103° 17' 39.558 W
19,500.0	90.62	181.41	11,845.8	-7,561.2	486.1	32° 3' 31.647 N	103° 17' 39.598 W
19,600.0	91.51	181.24	11,844.0	-7,661.2	483.7	32° 3' 30.658 N	103° 17' 39.636 W
19,700.0	91.42	181.06	11,841.2	-7,761.1	481.7	32° 3' 29.669 N	103° 17' 39.671 W
19,800.0	91.64	180.39	11,838.6	-7,861.1	480.4	32° 3' 28.681 N	103° 17' 39.698 W
19,900.0	91.91	179.81	11,835.5	-7,961.0	480.2	32° 3' 27.692 N	103° 17' 39.710 W
20,000.0	89.08	179.33	11,834.5	-8,061.0	481.0	32° 3' 26.702 N	103° 17' 39.713 W
20,100.0	89.02	179.54	11,836.1	-8,161.0	482.0	32° 3' 25.713 N	103° 17' 39.712 W
20,200.0	86.88	180.52	11,839.8	-8,260.9	482.0	32° 3' 24.724 N	103° 17' 39.724 W
20,300.0	87.29	181.29	11,845.4	-8,360.8	480.4	32° 3' 23.736 N	103° 17' 39.754 W
20,400.0	90.62	181.67	11,846.1	-8,460.7	477.6	32° 3' 22.748 N	103° 17' 39.797 W
20,500.0	87.17	180.40	11,848.3	-8,560.6	475.6	32° 3' 21.759 N	103° 17' 39.832 W
20,600.0	85.77	178.89	11,855.0	-8,660.4	476.7	32° 3' 20.772 N	103° 17' 39.829 W
20,700.0	86.41	179.26	11,861.5	-8,760.2	478.0	32° 3' 19.785 N	103° 17' 39.826 W
20,800.0	85.50	178.58	11,868.4	-8,859.9	480.0	32° 3' 18.798 N	103° 17' 39.814 W
20,900.0	84.43	177.92	11,877.3	-8,959.5	482.9	32° 3' 17.812 N	103° 17' 39.791 W
21,000.0	84.48	177.14	11,887.3	-9,058.9	487.3	32° 3' 16.828 N	103° 17' 39.752 W
21,100.0	84.88	177.05	11,896.4	-9,158.3	492.6	32° 3' 15.844 N	103° 17' 39.701 W
21,200.0	85.59	177.66	11,905.0	-9,257.8	497.2	32° 3' 14.859 N	103° 17' 39.658 W
21,300.0	86.64	178.71	11,911.6	-9,357.6	500.5	32° 3' 13.872 N	103° 17' 39.631 W
21,400.0	86.99	179.36	11,917.0	-9,457.4	502.0	32° 3' 12.883 N	103° 17' 39.625 W
21,500.0	88.26	179.14	11,921.5	-9,557.3	503.1	32° 3' 11.895 N	103° 17' 39.623 W
21,600.0	88.21	179.40	11,924.2	-9,657.2	504.5	32° 3' 10.906 N	103° 17' 39.618 W
21,700.0	89.10	179.27	11,926.8	-9,757.2	505.6	32° 3' 9.917 N	103° 17' 39.617 W
21,800.0	90.96	179.63	11,926.8	-9,857.2	506.6	32° 3' 8.927 N	103° 17' 39.616 W
21,900.0	91.65	179.38	11,924.4	-9,957.2	507.4	32° 3' 7.938 N	103° 17' 39.618 W
22,000.0	91.64	179.85	11,921.5	-10,057.1	508.1	32° 3' 6.949 N	103° 17' 39.621 W
22,100.0	89.08	179.62	11,920.9	-10,157.1	508.6	32° 3' 5.959 N	103° 17' 39.626 W
22,200.0	86.92	180.13	11,924.6	-10,257.0	508.9	32° 3' 4.971 N	103° 17' 39.635 W
22,300.0	87.05	180.66	11,929.6	-10,356.9	507.9	32° 3' 3.983 N	103° 17' 39.657 W
22,400.0	84.81	179.04	11,936.3	-10,456.7	508.0	32° 3' 2.996 N	103° 17' 39.667 W
Holly 111H As Drilled BHL - Holly 111H As Drilled LTP							



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 111H
Project:	RB/HOL	TVD Reference:	KB @ 3034.0usft
Site:	RB/HOL #1S	MD Reference:	KB @ 3034.0usft
Well:	Holly 111H	North Reference:	Grid
Wellbore:	Final Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys	Database:	EDM5000

Checked By: _____ Approved By: _____ Date: _____

Submit Copy To Appropriate District

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

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103

Revised July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-46494
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. NMNM137470
3. Address of Operator 2901 VIA FORTUNA, SUITE 600 AUSTIN, TX 78746		7. Lease Name or Unit Agreement Name HOLLY FED COM 26-36-05
4. Well Location Unit Letter <u>D</u> : <u>230'</u> feet from the <u>North</u> line and <u>290'</u> feet from the <u>West</u> line Section <u>5</u> Township <u>26-S</u> Range <u>36-E</u> NMPM County <u>LEA</u>		8. Well Number 111H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3007' GL / 3034' RKB		9. OGRID Number 372224
10. Pool name or Wildcat WC-025 G-09 S263619C;WOLFCAMP		

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: 12/23/2019

RIG RELEASED: 3/25/2020

INTENT TO FLOW TEST HOLLY FED COM 26 36 05 111H (START DATE: 06/02/2021 - END DATE 08/31/2021)

Spud Date:

12/23/2019

Rig Release Date:

3/25/2020

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

SIGNATURE

TITLE Engineer

DATE 6/18/2021

Type or print name

Shane McNeely

E-mail address

smcneely@ameredev.com

PHONE

737-300-4700

For State Use Only

APPROVED BY:

DATE

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					
		1. WELL API NO.			30-025-46494					
		2. Type of Lease			☐ STATE ☐ FEE ☒ FED/INDIAN					
		3. State Oil & Gas Lease No.			NMNM137470					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing:					5. Lease Name or Unit Agreement Name					
☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only)					HOLLY FED COM 26-36-05					
☐ 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)					6. Well Number:					
					111H					
7. Type of Completion:										
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator					9. OGRID					
AMEREDEV OPERATING, LLC					372224					
10. Address of Operator					11. Pool name or Wildcat					
2901 VIA FORTUNA, SUITE 600 AUSTIN, TX 78746					WC-025 G-09 S263619C; WOLFCAMP					
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	290'	West	LEA
BH:	M	8	26-S	36-E	-	48'	SOUTH	397'	WEST	LEA
13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released		16. Date Completed (Ready to Produce)			17. Elevations (DF and RKB, RT, GR, etc.)			
12/23/2019	3/24/2020	3/25/2020		6/2/2021			3007' GL / 3034' RKB			
18. Total Measured Depth of Well		19. Plug Back Measured Depth		20. Was Directional Survey Made?			21. Type Electric and Other Logs Run			
22457'		22300'		YES			GR			
22. Producing Interval(s), of this completion - Top, Bottom, Name										
12007' - 22295' WOLFCAMP										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13.375" J55		68#		1275'		17.5"		1340		
7.625" HCL80		29.7#		10969'		12.25" / 9.875"		1780 / 1010		
5.5" P110		23#		22439'		6.75"		430 / 1050		
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
						SIZE		DEPTH SET		PACKER SET
						2.375"		11206'		11215'
26. Perforation record (interval, size, and number)										
12007' - 22295', 0.49, 5106										
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.										
DEPTH INTERVAL					AMOUNT AND KIND MATERIAL USED					
12007'-22120'					31,130,648 LBS PROPPANT / 683,790BBLs FLUIDS					
23. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
6/3/2021		FLOWING				PRODUCING				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
6/12/2021	24	128		1298	1518	2680	1170			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
947	682		1298	1518	2680	42.9				
29. Disposition of Gas (Sold, used for fuel, vented, etc.)							30. Test Witnessed By			
Sold										
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 _____ 1032	T. Canyon _____	T. Ojo Alamo _____	T. Penn "A" _____
T. Salt _____ 1475	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 _____ 11745	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	1475	443	Anhydrite/Dolomite				
1475	3779	2304	Anhydrite/Salt				
3779	8222	4443	Limestone/Dolomite/Sandstone				
8222	9614	1392	Sands/Silts/Limestone				
9614	11374	1760	Limestone w/ minor Sands & Silts				
11374	TD		Silty Limestone				



Ameredev II, LLC

As-Drilled Wellbore Schematic

Well: Holly Fed Com 26-36-05 111H
SHL: Sec. 05 26S-36E 230' FNL & 290' FWL
BHL: Sec. 08 26S-36E 48' FSL & 397' 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: 2-3/8" L-80 8rd EUE

Co. Well ID: 40862
AFE No.: 2019-012
API No.: 30-025-46494
GL: 3,007'
Field: Delaware
Objective: Wolfcamp A
TVD: 11,941'
MD: 22,439'
Rig: Unit 103 **KB 27'**
E-Mail: Wellsite2@ameredev.com

Hole Size	Formation Tops	Logs	Cement	Mud Weight
17.5"	Rustler 1,032'		1,340 Sacks TOC 0'	8.4-8.6 ppg WBM
	13.375" 68# J-55 BTC 1,275'			
12.25"	Salado 1,475'		930 Sacks TOC 0'	8.5-9.4 Diesel Brine Emulsion
	Tansill 3,211'		50% Excess	
	DV Tool with ACP 3,340'			
	Capitan Reef 3,771'			
	Lamar 5,079'			
	No Casing 5,300'			
9.875"	Bell Canyon 5,989'			8.5-9.4 Diesel Brine Emulsion
	Brushy Canyon 7,056'			
	Bone Spring Lime 8,196'			
	First Bone Spring 8,430'			
	Second Bone Spring 9,589'			
	Third Bone Spring Upper 10,098'			
	7.625" 29.7# L-80HC BTC 10,969'	1,860 Sacks TOC 0'	50% Excess	
6.75"	Third Bone Spring 10,691'			10.5-12.5 ppg OBM
12° Build @ 11,274' MD thru 12,083' MD	Wolfcamp 11,615'			
	5.5" 23# P110MS2 Anaconda GT 22,439'	1,480 Sacks TOC 0'	25% Excess	
	Target Wolfcamp A 11941 TVD // 22439 MD			

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 42176

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 42176
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

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State of New Mexico
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CONDITIONS

Action 42176

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 42176
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	9/29/2021