

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

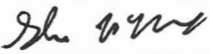
I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

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 30-025-46495	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 113H

II. ¹⁰ Surface Location									
Ul or lot no. C	Section 5	Township 26-S	Range 36-E	Lot Idn -	Feet from the 230'	North/South Line North	Feet from the 1730'	East/West Line West	County LEA
III. ¹¹ Bottom Hole Location									
Ul or lot no. LEA	Section 8	Township 26-S	Range 36-E	Lot Idn -	Feet from the 51'	North/South Line SOUTH	Feet from the 1652'	East/West Line WEST	County LEA
¹² Lse Code	¹³ Producing Method Code F	¹⁴ Gas Connection Date 5/18/2021	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 12/20/2019	²² Ready Date 5/18/2021	²³ TD 22329'	²⁴ PBTB 22270'	²⁵ Perforations 11935' - 22265'	²⁶ DHC, MC N/A
²⁷ Hole Size		²⁸ Casing and Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17.5"		13.375" J55	1280'		1395
12.25"/ 9.875"		7.625" HCL80	11050'		810 / 810
6.75"		5.5" P110	22296'		500 / 1010
		2.375"	11242'		

V. Well Test Data					
³¹ Date New Oil 5/19/2021	³² Gas Delivery Date 5/19/2021	³³ Test Date 6/14/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure 689	³⁶ Csg. Pressure 0
³⁷ Choke Size 128	³⁸ Oil 1531	³⁹ Water 1769	⁴⁰ Gas 1736	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: Kurt Simmons		
Title: Engineer			Title: NMOCD, Santa Fe		
E-mail Address: smcneely@amereDEV.com			Approval Date: 09/29/2021		
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
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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 30-025-46495	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 113H
⁷ OGRID No. 372224	⁸ Operator Name AMEREDEV OPERATING, LLC.	⁹ Elevation 3001'

¹⁰Surface Location

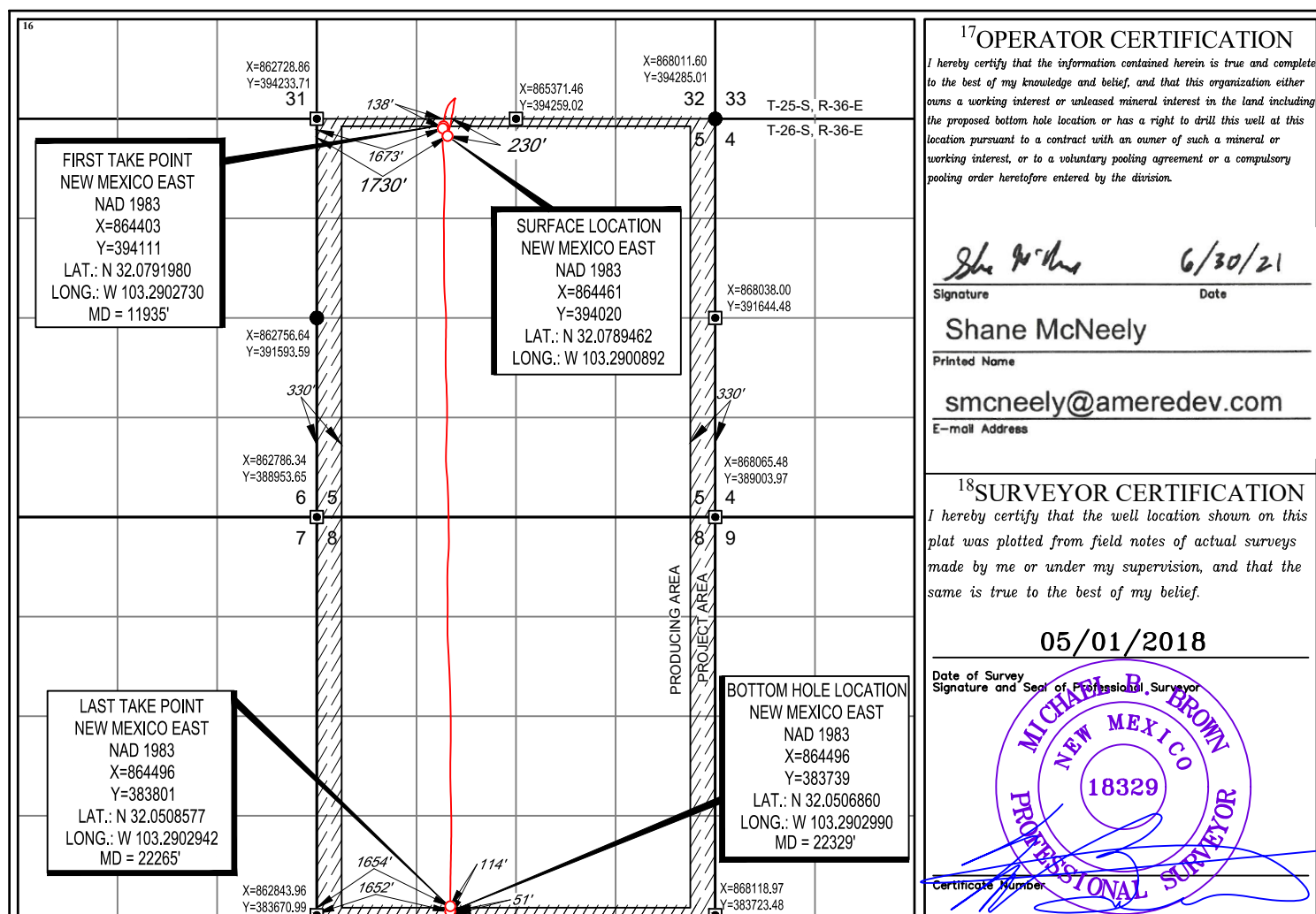
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	5	26-S	36-E	-	230'	NORTH	1730'	WEST	LEA

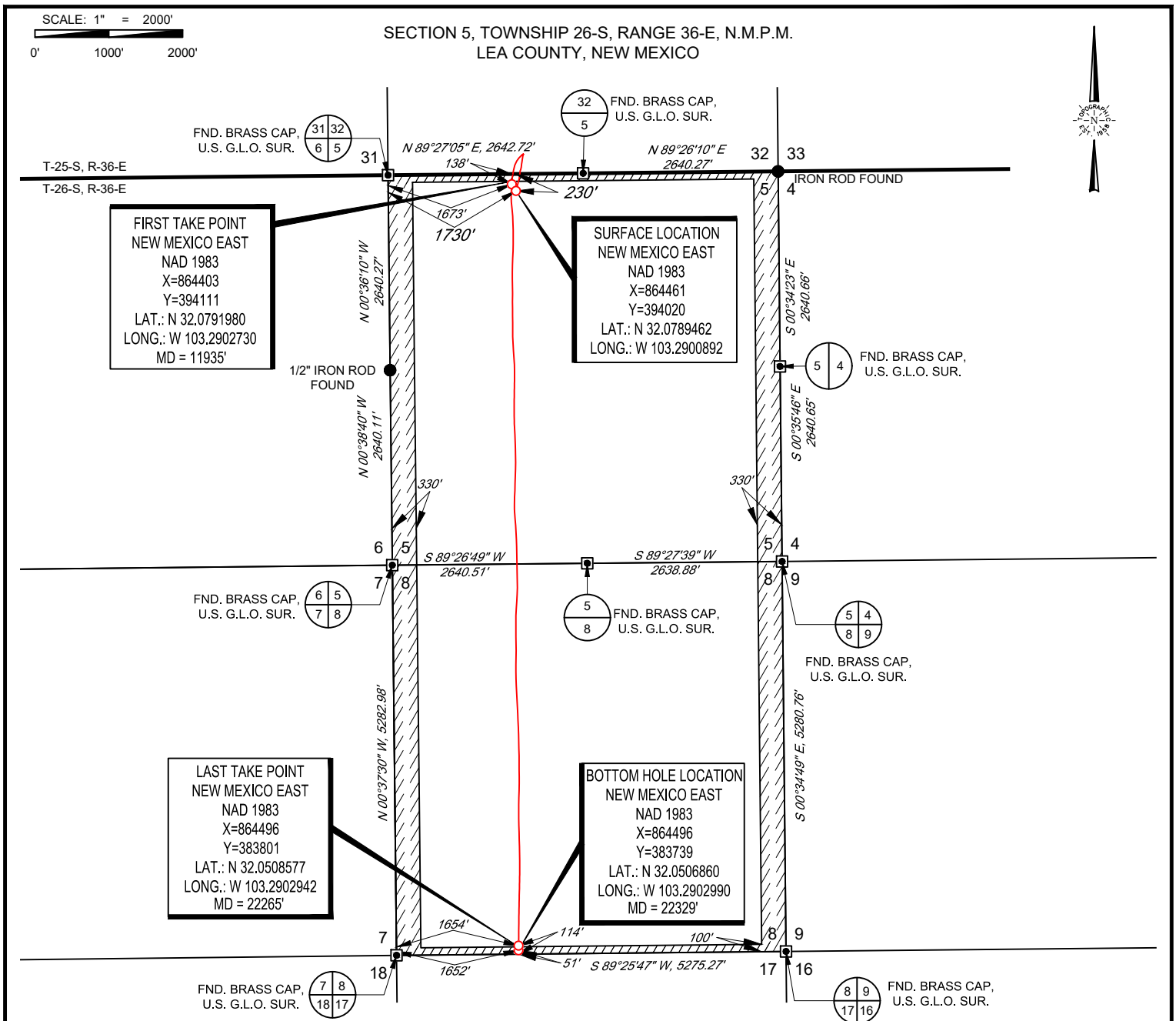
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	26-S	36-E	-	51'	SOUTH	1652'	WEST	LEA

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





AMEREDEV
AMEREDEV OPERATING, LLC



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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



Michael Blake Brown, P.S. No. 18329

HOLLY FED COM 26 36 05 113H AS-DRILLED	REVISION:		NOTES:
	INT	DATE	
DATE: 05/06/21			1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. 3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY AMEREDEV OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
FILE:AD_HOLLY_FED_COM_26_36_05_113H			
DRAWN BY: EAH			
SHEET: 1 OF 1			



Ameredev Operating, LLC.

RB/HOL

RB/HOL #4S

Holly 113H

Final Survey

Design: Final Survey

Standard Survey Report

21 July, 2021



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	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 #4S		
Site Position:		Northing:	394,020.11 usft
From:	Lat/Long	Easting:	864,441.19 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 44.207 N
		Longitude:	103° 17' 24.553 W
		Grid Convergence:	0.55 °

Well	Holly 113H		
Well Position	+N/-S	0.0 usft	Northing: 394,020.31 usft
	+E/-W	0.0 usft	Easting: 864,461.20 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 4' 44.207 N
		Longitude:	103° 17' 24.321 W
		Ground Level:	3,001.0 usft

Wellbore	Final Survey				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/3/2021	6.37	59.92	47,468.53621929

Design	Final Survey				
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	179.81	

Survey Program	Date	7/3/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
120.0	22,329.0	Holly 113H Final Survey (Final Survey)	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	0.75	141.00	100.0	-0.5	0.4	0.5	0.75	0.75	0.00	
200.0	0.52	100.87	200.0	-1.3	1.3	1.3	0.49	-0.23	-40.13	
300.0	0.30	1.80	300.0	-1.1	1.8	1.1	0.64	-0.21	-99.07	
400.0	0.74	321.54	400.0	-0.2	1.4	0.2	0.55	0.44	-40.26	
500.0	0.15	355.31	500.0	0.4	1.0	-0.4	0.62	-0.59	33.77	
600.0	0.26	184.53	600.0	0.3	1.0	-0.3	0.40	0.10	-170.78	
700.0	0.20	137.35	700.0	-0.1	1.1	0.1	0.19	-0.06	-47.18	
800.0	0.30	81.00	800.0	-0.2	1.5	0.2	0.25	0.10	-56.35	
900.0	0.59	270.01	900.0	-0.1	1.2	0.1	0.88	0.29	-170.99	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	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	0.32	270.52	1,000.0	-0.1	0.4	0.1	0.26	-0.26	0.50	
1,100.0	0.14	329.82	1,100.0	-0.1	0.0	0.1	0.28	-0.18	59.30	
1,200.0	0.67	1.14	1,200.0	0.7	0.0	-0.7	0.55	0.53	31.32	
1,300.0	0.68	335.64	1,300.0	1.8	-0.2	-1.8	0.30	0.02	-25.50	
1,400.0	1.12	326.59	1,399.9	3.1	-1.0	-3.1	0.46	0.44	-9.04	
1,500.0	1.08	320.76	1,499.9	4.7	-2.1	-4.7	0.12	-0.03	-5.83	
1,600.0	0.96	313.26	1,599.9	6.0	-3.4	-6.0	0.18	-0.13	-7.51	
1,700.0	0.73	308.27	1,699.9	7.0	-4.5	-7.0	0.24	-0.22	-4.99	
1,800.0	0.74	313.29	1,799.9	7.8	-5.5	-7.9	0.06	0.00	5.02	
1,900.0	0.87	353.82	1,899.9	9.0	-6.0	-9.1	0.57	0.14	40.53	
2,000.0	1.56	14.29	1,999.9	10.9	-5.8	-10.9	0.80	0.69	20.47	
2,100.0	3.89	16.86	2,099.7	15.5	-4.5	-15.5	2.34	2.34	2.57	
2,200.0	5.91	20.65	2,199.4	23.8	-1.7	-23.8	2.04	2.01	3.80	
2,300.0	6.50	24.60	2,298.7	33.9	2.6	-33.9	0.73	0.59	3.94	
2,400.0	6.38	25.43	2,398.1	44.0	7.4	-44.0	0.15	-0.12	0.83	
2,500.0	6.61	24.34	2,497.5	54.2	12.2	-54.1	0.26	0.23	-1.09	
2,600.0	7.26	21.60	2,596.8	65.2	16.9	-65.2	0.73	0.65	-2.74	
2,700.0	7.23	17.24	2,695.9	77.4	21.3	-77.3	0.55	-0.03	-4.36	
2,800.0	6.79	10.89	2,795.2	89.1	24.2	-89.1	0.89	-0.44	-6.35	
2,900.0	6.23	12.01	2,894.5	100.4	26.2	-100.3	0.58	-0.56	1.12	
3,000.0	5.50	14.38	2,994.0	110.3	28.6	-110.2	0.77	-0.73	2.37	
3,100.0	4.95	15.78	3,093.6	119.1	31.0	-119.0	0.57	-0.55	1.40	
3,200.0	5.23	16.68	3,193.2	127.5	33.4	-127.4	0.30	0.28	0.90	
3,300.0	6.22	15.63	3,292.7	137.0	36.2	-136.9	1.00	0.99	-1.05	
3,400.0	5.95	16.01	3,392.1	147.3	39.1	-147.2	0.28	-0.28	0.38	
3,500.0	6.37	12.01	3,491.6	157.7	41.7	-157.5	0.60	0.43	-4.00	
3,600.0	6.97	7.00	3,590.9	169.2	43.5	-169.0	0.83	0.60	-5.01	
3,700.0	6.66	8.16	3,690.2	181.0	45.1	-180.8	0.34	-0.31	1.16	
3,800.0	6.37	9.23	3,789.5	192.2	46.8	-192.0	0.31	-0.29	1.08	
3,900.0	6.15	9.43	3,888.9	202.9	48.6	-202.8	0.22	-0.22	0.20	
4,000.0	5.97	9.74	3,988.4	213.3	50.3	-213.1	0.19	-0.18	0.31	
4,100.0	6.06	10.19	4,087.8	223.6	52.2	-223.4	0.10	0.08	0.45	
4,200.0	5.99	7.97	4,187.3	234.0	53.9	-233.8	0.24	-0.07	-2.22	
4,300.0	5.66	5.15	4,286.8	244.1	55.0	-243.9	0.44	-0.33	-2.82	
4,400.0	5.26	3.53	4,386.3	253.6	55.8	-253.4	0.42	-0.39	-1.62	
4,500.0	4.89	1.87	4,485.9	262.4	56.2	-262.2	0.40	-0.37	-1.67	
4,600.0	4.52	11.49	4,585.6	270.6	56.8	-270.4	0.87	-0.37	9.63	
4,700.0	4.64	24.49	4,685.3	278.0	59.3	-277.8	1.04	0.12	12.99	
4,800.0	4.83	22.02	4,784.9	285.6	62.8	-285.3	0.28	0.20	-2.47	
4,900.0	5.07	15.53	4,884.5	293.7	65.6	-293.5	0.61	0.24	-6.49	
5,000.0	4.72	13.62	4,984.2	302.1	67.7	-301.8	0.38	-0.35	-1.91	
5,100.0	4.32	10.85	5,083.9	309.8	69.4	-309.5	0.46	-0.40	-2.77	
5,200.0	3.80	9.58	5,183.6	316.7	70.7	-316.5	0.53	-0.53	-1.27	
5,300.0	3.99	9.96	5,283.4	323.4	71.8	-323.2	0.20	0.20	0.38	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
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Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	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	4.45	7.52	5,383.1	330.7	72.9	-330.4	0.49	0.45	-2.45	
5,500.0	4.64	6.07	5,482.8	338.5	73.8	-338.3	0.22	0.19	-1.44	
5,600.0	5.14	6.06	5,582.4	347.1	74.7	-346.8	0.50	0.50	-0.01	
5,700.0	4.97	7.08	5,682.0	355.8	75.7	-355.5	0.19	-0.16	1.02	
5,800.0	5.18	8.63	5,781.7	364.4	76.9	-364.2	0.25	0.21	1.55	
5,900.0	5.63	10.11	5,881.2	373.9	78.5	-373.6	0.47	0.45	1.48	
6,000.0	5.85	8.99	5,980.7	383.6	80.1	-383.3	0.24	0.21	-1.12	
6,100.0	6.77	9.10	6,080.1	394.4	81.8	-394.1	0.92	0.92	0.11	
6,200.0	7.26	8.97	6,179.3	406.7	83.8	-406.4	0.49	0.49	-0.14	
6,300.0	7.15	8.28	6,278.5	419.1	85.7	-418.8	0.14	-0.11	-0.68	
6,400.0	6.95	8.08	6,377.8	431.3	87.4	-431.0	0.21	-0.20	-0.20	
6,500.0	6.69	7.46	6,477.1	443.0	89.1	-442.7	0.27	-0.26	-0.62	
6,600.0	6.41	5.55	6,576.4	454.4	90.4	-454.1	0.36	-0.28	-1.91	
6,700.0	5.82	9.86	6,675.8	465.0	91.7	-464.7	0.75	-0.59	4.31	
6,800.0	4.39	17.55	6,775.4	473.8	93.7	-473.5	1.58	-1.43	7.69	
6,900.0	2.99	16.02	6,875.2	479.9	95.7	-479.6	1.40	-1.40	-1.54	
7,000.0	2.01	10.64	6,975.1	484.1	96.7	-483.8	1.01	-0.98	-5.38	
7,100.0	1.37	18.60	7,075.1	486.9	97.4	-486.6	0.68	-0.64	7.97	
7,200.0	1.58	17.17	7,175.1	489.4	98.2	-489.1	0.21	0.21	-1.44	
7,300.0	1.06	8.35	7,275.0	491.6	98.8	-491.3	0.55	-0.51	-8.82	
7,400.0	0.82	356.13	7,375.0	493.2	98.8	-492.9	0.31	-0.24	-12.21	
7,500.0	0.66	358.20	7,475.0	494.6	98.8	-494.2	0.17	-0.17	2.06	
7,600.0	0.46	325.90	7,575.0	495.5	98.5	-495.1	0.36	-0.20	-32.30	
7,700.0	0.24	337.51	7,675.0	495.9	98.1	-495.6	0.23	-0.22	11.61	
7,800.0	0.35	37.71	7,775.0	496.3	98.3	-496.0	0.31	0.10	60.20	
7,900.0	0.41	30.78	7,875.0	496.9	98.7	-496.6	0.08	0.06	-6.93	
8,000.0	0.54	26.61	7,975.0	497.6	99.0	-497.3	0.13	0.13	-4.17	
8,100.0	0.71	23.49	8,075.0	498.6	99.5	-498.3	0.18	0.17	-3.12	
8,200.0	0.13	45.63	8,175.0	499.5	99.9	-499.1	0.59	-0.58	22.15	
8,300.0	0.66	186.81	8,275.0	498.9	99.9	-498.6	0.77	0.53	141.18	
8,400.0	0.66	180.71	8,375.0	497.6	99.8	-497.3	0.07	0.00	-6.10	
8,500.0	0.66	171.53	8,475.0	496.5	99.9	-496.2	0.11	0.00	-9.18	
8,600.0	0.56	179.94	8,575.0	495.4	100.0	-495.1	0.13	-0.10	8.41	
8,700.0	0.34	225.64	8,675.0	494.7	99.8	-494.4	0.40	-0.22	45.69	
8,800.0	0.46	189.67	8,775.0	494.1	99.5	-493.8	0.27	0.12	-35.97	
8,900.0	0.75	223.79	8,874.9	493.3	99.0	-492.9	0.45	0.28	34.12	
9,000.0	1.35	237.09	8,974.9	492.1	97.5	-491.8	0.65	0.61	13.30	
9,100.0	1.30	238.50	9,074.9	490.9	95.5	-490.6	0.07	-0.06	1.42	
9,200.0	1.18	247.25	9,174.9	489.9	93.6	-489.6	0.22	-0.12	8.74	
9,300.0	1.07	260.03	9,274.9	489.3	91.7	-489.0	0.27	-0.11	12.79	
9,400.0	0.91	268.62	9,374.8	489.2	90.0	-488.9	0.22	-0.16	8.59	
9,500.0	0.43	268.66	9,474.8	489.1	88.7	-488.8	0.48	-0.48	0.04	
9,600.0	0.18	75.48	9,574.8	489.2	88.5	-488.9	0.60	-0.25	166.82	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	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	0.37	76.80	9,674.8	489.3	89.1	-489.0	0.19	0.18	1.31	
9,800.0	0.26	57.84	9,774.8	489.5	89.6	-489.2	0.15	-0.11	-18.96	
9,900.0	0.08	2.58	9,874.8	489.7	89.9	-489.4	0.22	-0.18	-55.26	
10,000.0	0.15	131.23	9,974.8	489.7	89.9	-489.4	0.21	0.07	128.65	
10,100.0	0.37	90.93	10,074.8	489.6	90.3	-489.3	0.27	0.22	-40.30	
10,200.0	0.32	89.65	10,174.8	489.6	90.9	-489.3	0.05	-0.05	-1.28	
10,300.0	0.48	207.81	10,274.8	489.3	91.1	-489.0	0.69	0.16	118.16	
10,400.0	0.64	215.06	10,374.8	488.4	90.5	-488.1	0.17	0.16	7.25	
10,500.0	1.02	238.32	10,474.8	487.5	89.5	-487.2	0.50	0.38	23.26	
10,600.0	1.62	257.20	10,574.8	486.8	87.3	-486.5	0.74	0.60	18.88	
10,700.0	1.87	243.15	10,674.7	485.6	84.4	-485.3	0.49	0.25	-14.05	
10,800.0	1.17	240.57	10,774.7	484.4	82.1	-484.1	0.71	-0.71	-2.58	
10,900.0	0.68	231.76	10,874.7	483.5	80.8	-483.2	0.50	-0.48	-8.81	
11,000.0	0.32	282.53	10,974.7	483.2	79.9	-482.9	0.54	-0.36	50.77	
11,100.0	0.46	281.07	11,074.7	483.3	79.3	-483.1	0.14	0.14	-1.46	
11,200.0	0.69	253.55	11,174.7	483.5	78.5	-483.2	0.35	0.23	-27.52	
11,238.0	4.88	227.46	11,212.6	482.3	77.1	-482.1	11.25	11.03	-68.64	
Holly 113H As Drilled KOP										
11,300.0	11.85	225.05	11,274.2	478.3	72.8	-478.0	11.25	11.23	-3.89	
11,400.0	25.38	225.26	11,368.4	455.1	49.7	-454.9	13.54	13.54	0.21	
11,500.0	35.76	212.94	11,454.5	416.4	17.1	-416.4	12.07	10.38	-12.32	
11,600.0	43.31	200.48	11,531.1	359.1	-11.3	-359.2	10.92	7.55	-12.46	
11,700.0	49.90	192.35	11,599.8	289.4	-31.4	-289.5	8.84	6.58	-8.14	
11,800.0	55.87	188.80	11,660.0	210.9	-45.6	-211.1	6.60	5.97	-3.54	
11,900.0	65.36	184.58	11,709.2	124.6	-55.7	-124.8	10.18	9.50	-4.22	
11,935.0	69.15	183.87	11,722.8	92.4	-58.1	-92.6	10.98	10.82	-2.03	
Holly 113H As Drilled FTP										
12,000.0	76.19	182.64	11,742.2	30.5	-61.5	-30.7	10.98	10.83	-1.89	
12,100.0	88.86	180.59	11,754.3	-68.4	-65.4	68.2	12.84	12.68	-2.05	
12,200.0	91.82	174.45	11,752.9	-168.2	-60.4	168.0	6.81	2.95	-6.14	
12,300.0	89.88	174.52	11,752.3	-267.7	-50.2	267.5	1.94	-1.94	0.07	
12,400.0	91.26	177.40	11,750.3	-367.4	-43.7	367.3	3.20	1.39	2.88	
12,500.0	88.16	178.15	11,750.9	-467.3	-39.5	467.2	3.19	-3.10	0.75	
12,600.0	85.93	179.78	11,756.3	-567.2	-37.9	567.0	2.76	-2.24	1.63	
12,700.0	84.60	179.92	11,764.6	-666.8	-38.1	666.7	1.34	-1.33	0.14	
12,800.0	84.44	180.91	11,774.6	-766.3	-37.8	766.2	1.00	-0.16	0.99	
12,900.0	88.65	182.91	11,781.9	-865.9	-41.8	865.8	4.66	4.21	2.00	
13,000.0	89.35	182.11	11,781.3	-965.8	-46.6	965.6	1.06	0.70	-0.80	
13,100.0	88.21	180.88	11,784.4	-1,065.7	-49.0	1,065.5	1.68	-1.14	-1.23	
13,200.0	87.25	179.33	11,787.9	-1,165.6	-49.4	1,165.5	1.82	-0.96	-1.55	
13,300.0	88.37	178.81	11,792.4	-1,265.5	-47.5	1,265.4	1.23	1.12	-0.51	
13,400.0	94.58	180.16	11,790.6	-1,365.4	-46.3	1,365.3	6.35	6.20	1.34	
13,500.0	95.94	180.10	11,781.0	-1,465.0	-46.7	1,464.8	1.37	1.36	-0.06	
13,600.0	94.75	179.80	11,771.0	-1,564.5	-46.6	1,564.3	1.23	-1.19	-0.30	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	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	93.88	179.48	11,763.9	-1,664.2	-46.0	1,664.1	0.92	-0.87	-0.32
13,800.0	92.93	179.66	11,757.8	-1,764.0	-45.1	1,763.9	0.97	-0.96	0.18
13,900.0	92.33	179.91	11,753.3	-1,863.9	-44.8	1,863.8	0.65	-0.60	0.25
14,000.0	91.73	178.79	11,749.8	-1,963.8	-43.8	1,963.7	1.27	-0.59	-1.12
14,100.0	88.64	177.04	11,749.2	-2,063.8	-40.2	2,063.6	3.55	-3.09	-1.75
14,200.0	88.86	175.82	11,751.6	-2,163.5	-33.9	2,163.4	1.24	0.22	-1.22
14,300.0	89.51	175.61	11,752.7	-2,263.2	-26.2	2,263.1	0.68	0.65	-0.21
14,400.0	86.27	178.44	11,756.8	-2,363.0	-21.3	2,362.9	4.30	-3.24	2.84
14,500.0	87.28	179.54	11,763.0	-2,462.8	-19.3	2,462.7	1.49	1.01	1.10
14,600.0	90.67	180.69	11,764.7	-2,562.8	-19.8	2,562.7	3.58	3.39	1.15
14,700.0	92.17	180.92	11,761.8	-2,662.7	-21.1	2,662.6	1.52	1.50	0.23
14,800.0	91.22	180.60	11,758.6	-2,762.6	-22.6	2,762.6	1.00	-0.95	-0.32
14,900.0	93.46	180.30	11,754.1	-2,862.5	-23.9	2,862.4	2.25	2.23	-0.30
15,000.0	92.01	179.89	11,749.7	-2,962.4	-23.7	2,962.3	1.50	-1.45	-0.41
15,100.0	91.66	179.86	11,746.0	-3,062.3	-23.6	3,062.3	0.35	-0.35	-0.03
15,200.0	90.21	178.06	11,744.4	-3,162.3	-22.2	3,162.2	2.30	-1.45	-1.79
15,300.0	90.05	176.78	11,745.9	-3,262.1	-15.7	3,262.0	1.30	-0.17	-1.29
15,400.0	89.89	178.17	11,744.9	-3,362.0	-11.7	3,361.9	1.40	-0.15	1.39
15,500.0	89.08	178.46	11,746.1	-3,461.9	-8.8	3,461.9	0.86	-0.81	0.29
15,600.0	89.80	179.02	11,747.3	-3,561.9	-6.5	3,561.9	0.91	0.72	0.56
15,700.0	90.43	179.29	11,747.0	-3,661.9	-5.1	3,661.9	0.69	0.63	0.27
15,800.0	88.79	181.34	11,747.4	-3,761.9	-5.4	3,761.8	2.63	-1.64	2.05
15,900.0	87.66	182.24	11,750.6	-3,861.8	-8.7	3,861.7	1.45	-1.13	0.90
16,000.0	86.25	181.42	11,755.9	-3,961.6	-11.9	3,961.5	1.63	-1.41	-0.82
16,100.0	88.63	182.20	11,760.4	-4,061.4	-15.1	4,061.3	2.50	2.37	0.78
16,200.0	90.26	181.94	11,761.1	-4,161.3	-18.8	4,161.3	1.66	1.64	-0.26
16,300.0	88.69	180.36	11,761.4	-4,261.3	-21.4	4,261.2	2.23	-1.57	-1.58
16,400.0	87.38	176.02	11,765.7	-4,361.1	-18.0	4,361.0	4.53	-1.32	-4.34
16,500.0	87.01	175.10	11,769.8	-4,460.7	-10.0	4,460.6	0.99	-0.36	-0.92
16,600.0	86.25	176.15	11,775.7	-4,560.3	-2.6	4,560.2	1.30	-0.76	1.05
16,700.0	86.35	176.84	11,782.6	-4,659.8	3.7	4,659.8	0.70	0.10	0.69
16,800.0	88.05	178.54	11,787.6	-4,759.6	7.8	4,759.6	2.40	1.69	1.70
16,900.0	87.54	178.98	11,790.4	-4,859.5	9.3	4,859.6	0.67	-0.51	0.43
17,000.0	87.01	178.14	11,796.0	-4,959.4	12.0	4,959.4	0.99	-0.52	-0.84
17,090.8	87.71	179.18	11,800.2	-5,050.0	14.1	5,050.1	1.38	0.76	1.15
Holly 113H into NMNM137473									
17,100.0	87.78	179.29	11,800.4	-5,059.2	14.7	5,059.2	1.38	0.77	1.15
17,200.0	87.76	179.62	11,804.2	-5,159.1	15.3	5,159.2	0.33	-0.02	0.33
17,300.0	85.76	178.61	11,809.5	-5,259.0	16.7	5,259.0	2.23	-1.99	-1.01
17,400.0	85.22	179.64	11,817.7	-5,358.6	18.6	5,358.7	1.16	-0.54	1.03
17,500.0	88.53	182.37	11,823.5	-5,458.4	16.9	5,458.4	4.29	3.31	2.73
17,600.0	92.57	184.79	11,822.6	-5,558.2	10.7	5,558.2	4.71	4.04	2.42
17,700.0	92.07	183.22	11,818.4	-5,657.8	3.6	5,657.8	1.64	-0.50	-1.57



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	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	92.27	181.30	11,814.4	-5,757.7	-0.3	5,757.6	1.93	0.21	-1.92	
17,900.0	89.62	180.07	11,812.7	-5,857.7	-1.5	5,857.6	2.93	-2.66	-1.24	
18,000.0	87.06	179.44	11,816.1	-5,957.6	-1.0	5,957.5	2.63	-2.55	-0.62	
18,100.0	87.24	179.36	11,820.8	-6,057.5	0.1	6,057.4	0.19	0.17	-0.09	
18,200.0	86.62	179.49	11,826.6	-6,157.3	1.1	6,157.3	0.63	-0.62	0.14	
18,300.0	87.84	180.06	11,831.5	-6,257.2	1.7	6,257.1	1.34	1.22	0.57	
18,400.0	88.67	180.80	11,834.2	-6,357.1	0.7	6,357.1	1.11	0.83	0.73	
18,500.0	88.42	180.45	11,836.7	-6,457.1	-0.5	6,457.0	0.44	-0.26	-0.35	
18,600.0	88.22	179.44	11,839.7	-6,557.0	-0.6	6,557.0	1.02	-0.20	-1.00	
18,700.0	88.75	177.75	11,842.6	-6,657.0	1.8	6,656.9	1.78	0.53	-1.69	
18,800.0	88.19	176.65	11,844.7	-6,756.8	6.9	6,756.8	1.24	-0.56	-1.10	
18,900.0	88.15	176.83	11,848.3	-6,856.6	12.9	6,856.6	0.18	-0.04	0.18	
19,000.0	88.75	177.50	11,851.0	-6,956.4	17.8	6,956.4	0.90	0.59	0.67	
19,100.0	87.37	177.11	11,854.0	-7,056.3	22.3	7,056.3	1.43	-1.38	-0.39	
19,200.0	88.49	177.38	11,858.1	-7,156.0	27.3	7,156.1	1.15	1.12	0.27	
19,300.0	89.01	177.32	11,860.1	-7,255.9	31.8	7,256.0	0.53	0.53	-0.06	
19,400.0	89.69	178.75	11,861.3	-7,355.8	35.4	7,355.9	1.59	0.68	1.43	
19,500.0	89.76	178.77	11,861.7	-7,455.8	37.5	7,455.9	0.07	0.07	0.02	
19,600.0	89.20	178.60	11,862.6	-7,555.8	39.8	7,555.9	0.58	-0.56	-0.17	
19,700.0	88.66	178.80	11,864.7	-7,655.7	42.2	7,655.8	0.58	-0.54	0.20	
19,800.0	89.52	180.28	11,866.0	-7,755.7	42.7	7,755.8	1.70	0.85	1.48	
19,900.0	88.75	179.47	11,867.7	-7,855.7	43.0	7,855.8	1.11	-0.77	-0.81	
20,000.0	88.91	179.77	11,869.6	-7,955.7	44.0	7,955.8	0.34	0.16	0.29	
20,100.0	87.00	181.06	11,872.4	-8,055.6	43.0	8,055.7	2.31	-1.92	1.29	
20,200.0	83.73	181.37	11,881.2	-8,155.2	40.9	8,155.3	3.28	-3.26	0.31	
20,300.0	84.62	181.17	11,892.2	-8,254.6	38.4	8,254.6	0.91	0.89	-0.20	
20,400.0	86.21	180.55	11,899.4	-8,354.3	37.2	8,354.4	1.70	1.58	-0.62	
20,500.0	87.01	178.53	11,905.7	-8,454.1	37.2	8,454.2	2.18	0.81	-2.02	
20,600.0	89.27	179.19	11,909.9	-8,554.0	39.3	8,554.0	2.35	2.25	0.67	
20,700.0	91.36	178.61	11,908.7	-8,653.9	40.7	8,654.0	2.18	2.10	-0.59	
20,800.0	90.04	178.20	11,906.8	-8,753.9	43.8	8,754.0	1.38	-1.32	-0.41	
20,900.0	89.80	178.62	11,907.4	-8,853.8	46.7	8,853.9	0.49	-0.24	0.42	
21,000.0	89.49	178.95	11,907.9	-8,953.8	48.8	8,953.9	0.46	-0.32	0.33	
21,100.0	91.49	179.37	11,907.4	-9,053.8	50.2	9,053.9	2.05	2.00	0.43	
21,200.0	92.61	179.95	11,903.7	-9,153.7	50.8	9,153.8	1.26	1.12	0.57	
21,300.0	93.37	180.76	11,898.5	-9,253.6	50.2	9,253.7	1.11	0.76	0.81	
21,400.0	92.25	181.43	11,893.6	-9,353.4	48.6	9,353.5	1.30	-1.12	0.67	
21,500.0	89.36	181.30	11,893.8	-9,453.4	46.7	9,453.5	2.89	-2.88	-0.13	
21,600.0	87.52	181.04	11,896.6	-9,553.3	44.7	9,553.4	1.86	-1.84	-0.25	
21,700.0	87.83	181.11	11,900.8	-9,653.2	42.8	9,653.3	0.31	0.30	0.06	
21,800.0	86.85	181.22	11,905.5	-9,753.1	40.8	9,753.2	0.98	-0.97	0.11	
21,900.0	87.15	180.59	11,910.3	-9,853.0	38.9	9,853.0	0.70	0.30	-0.64	
22,000.0	86.77	180.53	11,916.2	-9,952.8	38.1	9,952.9	0.38	-0.38	-0.06	
22,100.0	88.05	180.51	11,920.6	-10,052.7	37.3	10,052.8	1.27	1.27	-0.02	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	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	88.82	180.71	11,923.3	-10,152.6	36.2	10,152.7	0.80	0.77	0.20
22,265.0	89.03	180.78	11,924.5	-10,217.6	35.3	10,217.7	0.35	0.33	0.10
Holly 113H As Drilled LTP									
22,300.0	89.15	180.81	11,924.9	-10,252.6	34.8	10,252.7	0.35	0.33	0.10
Holly 113H 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 113H As Drilled KC - actual wellpath misses target center by 1.2usft at 11238.0usft MD (11212.6 TVD, 482.3 N, 77.1 E) - Point	0.00	0.00	11,212.7	483.2	77.9	394,503.48	864,539.07	32° 4' 48.980 N	103° 17' 23.361 W
Holly 113H As Drilled FT - actual wellpath hits target center - Point	0.00	0.00	11,722.8	92.4	-58.1	394,112.72	864,403.15	32° 4' 45.127 N	103° 17' 24.985 W
Holly 113H into NMNM1: - actual wellpath misses target center by 0.5usft at 17090.8usft MD (11800.2 TVD, -5050.1 N, 14.1 E) - Point	0.00	0.00	11,800.1	-5,050.0	14.6	388,970.29	864,475.82	32° 3' 54.237 N	103° 17' 24.718 W
Holly 113H As Drilled LT - actual wellpath misses target center by 0.1usft at 22265.0usft MD (11924.5 TVD, -10217.6 N, 35.3 E) - Point	0.00	0.00	11,924.4	-10,217.6	35.3	383,802.68	864,496.52	32° 3' 3.104 N	103° 17' 25.058 W
Holly 113H As Drilled BH - actual wellpath misses target center by 29.0usft at 22300.0usft MD (11924.9 TVD, -10252.6 N, 34.8 E) - Point	0.00	0.01	11,925.3	-10,281.6	34.4	383,738.69	864,495.62	32° 3' 2.471 N	103° 17' 25.076 W

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

RB/HOL

RB/HOL #4S

Holly 113H

Final Survey

Design: Final Survey

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 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	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 #4S		
Site Position:		Northing:	394,020.12 usft
From:	Lat/Long	Easting:	864,441.19 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 4' 44.207 N
		Longitude:	103° 17' 24.553 W
		Grid Convergence:	0.55 °

Well	Holly 113H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 4' 44.207 N
		Longitude:	103° 17' 24.321 W
		Ground Level:	3,001.0 usft

Wellbore	Final Survey				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/3/2021	6.37	59.92	47,468.53621929

Design	Final Survey				
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	179.81	

Survey Program	Date	7/3/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
120.0	22,329.0	Holly 113H Final Survey (Final Survey)	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	1,730.0	32° 4' 44.207 N	103° 17' 24.321 W	
100.0	0.75	141.00	100.0	-230.3	1,730.4	32° 4' 44.202 N	103° 17' 24.316 W	
200.0	0.52	100.87	200.0	-231.1	1,731.4	32° 4' 44.194 N	103° 17' 24.305 W	
300.0	0.30	1.80	300.0	-230.9	1,731.9	32° 4' 44.196 N	103° 17' 24.299 W	
400.0	0.74	321.54	400.0	-230.0	1,731.4	32° 4' 44.205 N	103° 17' 24.305 W	
500.0	0.15	355.31	500.0	-229.4	1,731.0	32° 4' 44.211 N	103° 17' 24.310 W	
600.0	0.26	184.53	600.0	-229.5	1,731.0	32° 4' 44.210 N	103° 17' 24.309 W	
700.0	0.20	137.35	700.0	-229.9	1,731.1	32° 4' 44.206 N	103° 17' 24.308 W	
800.0	0.30	81.00	800.0	-230.0	1,731.5	32° 4' 44.205 N	103° 17' 24.304 W	
900.0	0.59	270.01	900.0	-229.9	1,731.2	32° 4' 44.206 N	103° 17' 24.307 W	
1,000.0	0.32	270.52	1,000.0	-229.9	1,730.4	32° 4' 44.206 N	103° 17' 24.317 W	
1,100.0	0.14	329.82	1,100.0	-229.9	1,730.0	32° 4' 44.206 N	103° 17' 24.320 W	



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
1,200.0	0.67	1.14	1,200.0	-229.1	1,730.1	32° 4' 44.214 N	103° 17' 24.320 W
1,300.0	0.68	335.64	1,300.0	-228.0	1,729.8	32° 4' 44.224 N	103° 17' 24.323 W
1,400.0	1.12	326.59	1,399.9	-226.7	1,729.0	32° 4' 44.238 N	103° 17' 24.332 W
1,500.0	1.08	320.76	1,499.9	-225.1	1,727.9	32° 4' 44.254 N	103° 17' 24.345 W
1,600.0	0.96	313.26	1,599.9	-223.8	1,726.7	32° 4' 44.267 N	103° 17' 24.359 W
1,700.0	0.73	308.27	1,699.9	-222.8	1,725.5	32° 4' 44.277 N	103° 17' 24.372 W
1,800.0	0.74	313.29	1,799.9	-222.0	1,724.6	32° 4' 44.285 N	103° 17' 24.383 W
1,900.0	0.87	353.82	1,899.9	-220.8	1,724.0	32° 4' 44.297 N	103° 17' 24.390 W
2,000.0	1.56	14.29	1,999.9	-218.9	1,724.2	32° 4' 44.315 N	103° 17' 24.387 W
2,100.0	3.89	16.86	2,099.7	-214.3	1,725.5	32° 4' 44.361 N	103° 17' 24.371 W
2,200.0	5.91	20.65	2,199.4	-206.0	1,728.3	32° 4' 44.443 N	103° 17' 24.338 W
2,300.0	6.50	24.60	2,298.7	-195.9	1,732.7	32° 4' 44.542 N	103° 17' 24.286 W
2,400.0	6.38	25.43	2,398.1	-185.8	1,737.4	32° 4' 44.642 N	103° 17' 24.230 W
2,500.0	6.61	24.34	2,497.5	-175.6	1,742.2	32° 4' 44.742 N	103° 17' 24.173 W
2,600.0	7.26	21.60	2,596.8	-164.6	1,746.9	32° 4' 44.851 N	103° 17' 24.117 W
2,700.0	7.23	17.24	2,695.9	-152.4	1,751.3	32° 4' 44.971 N	103° 17' 24.065 W
2,800.0	6.79	10.89	2,795.2	-140.7	1,754.2	32° 4' 45.087 N	103° 17' 24.030 W
2,900.0	6.23	12.01	2,894.5	-129.4	1,756.2	32° 4' 45.198 N	103° 17' 24.005 W
3,000.0	5.50	14.38	2,994.0	-119.5	1,758.6	32° 4' 45.296 N	103° 17' 23.976 W
3,100.0	4.95	15.78	3,093.6	-110.7	1,761.0	32° 4' 45.382 N	103° 17' 23.948 W
3,200.0	5.23	16.68	3,193.2	-102.3	1,763.4	32° 4' 45.465 N	103° 17' 23.918 W
3,300.0	6.22	15.63	3,292.7	-92.8	1,766.2	32° 4' 45.559 N	103° 17' 23.885 W
3,400.0	5.95	16.01	3,392.1	-82.5	1,769.1	32° 4' 45.661 N	103° 17' 23.850 W
3,500.0	6.37	12.01	3,491.6	-72.1	1,771.7	32° 4' 45.763 N	103° 17' 23.819 W
3,600.0	6.97	7.00	3,590.9	-60.6	1,773.6	32° 4' 45.877 N	103° 17' 23.796 W
3,700.0	6.66	8.16	3,690.2	-48.9	1,775.1	32° 4' 45.993 N	103° 17' 23.776 W
3,800.0	6.37	9.23	3,789.5	-37.7	1,776.8	32° 4' 46.104 N	103° 17' 23.755 W
3,900.0	6.15	9.43	3,888.9	-26.9	1,778.6	32° 4' 46.210 N	103° 17' 23.733 W
4,000.0	5.97	9.74	3,988.4	-16.5	1,780.4	32° 4' 46.313 N	103° 17' 23.712 W
4,100.0	6.06	10.19	4,087.8	-6.2	1,782.2	32° 4' 46.414 N	103° 17' 23.689 W
4,200.0	5.99	7.97	4,187.3	4.2	1,784.0	32° 4' 46.517 N	103° 17' 23.668 W
4,300.0	5.66	5.15	4,286.8	14.3	1,785.0	32° 4' 46.617 N	103° 17' 23.654 W
4,400.0	5.26	3.53	4,386.3	23.8	1,785.8	32° 4' 46.711 N	103° 17' 23.644 W
4,500.0	4.89	1.87	4,485.9	32.6	1,786.2	32° 4' 46.798 N	103° 17' 23.639 W
4,600.0	4.52	11.49	4,585.6	40.8	1,786.8	32° 4' 46.879 N	103° 17' 23.630 W
4,700.0	4.64	24.49	4,685.3	48.2	1,789.3	32° 4' 46.952 N	103° 17' 23.600 W
4,800.0	4.83	22.02	4,784.9	55.7	1,792.8	32° 4' 47.026 N	103° 17' 23.558 W
4,900.0	5.07	15.53	4,884.5	63.9	1,795.6	32° 4' 47.107 N	103° 17' 23.525 W
5,000.0	4.72	13.62	4,984.2	72.3	1,797.7	32° 4' 47.189 N	103° 17' 23.500 W
5,100.0	4.32	10.85	5,083.9	80.0	1,799.4	32° 4' 47.265 N	103° 17' 23.479 W
5,200.0	3.80	9.58	5,183.6	86.9	1,800.7	32° 4' 47.334 N	103° 17' 23.464 W
5,300.0	3.99	9.96	5,283.4	93.6	1,801.8	32° 4' 47.400 N	103° 17' 23.450 W
5,400.0	4.45	7.52	5,383.1	100.9	1,802.9	32° 4' 47.472 N	103° 17' 23.436 W
5,500.0	4.64	6.07	5,482.8	108.7	1,803.8	32° 4' 47.549 N	103° 17' 23.425 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
5,600.0	5.14	6.06	5,582.4	117.3	1,804.7	32° 4' 47.634 N	103° 17' 23.413 W
5,700.0	4.97	7.08	5,682.0	126.0	1,805.7	32° 4' 47.720 N	103° 17' 23.401 W
5,800.0	5.18	8.63	5,781.7	134.6	1,806.9	32° 4' 47.806 N	103° 17' 23.386 W
5,900.0	5.63	10.11	5,881.2	144.1	1,808.6	32° 4' 47.899 N	103° 17' 23.366 W
6,000.0	5.85	8.99	5,980.7	153.7	1,810.2	32° 4' 47.994 N	103° 17' 23.346 W
6,100.0	6.77	9.10	6,080.1	164.6	1,811.9	32° 4' 48.102 N	103° 17' 23.325 W
6,200.0	7.26	8.97	6,179.3	176.8	1,813.8	32° 4' 48.223 N	103° 17' 23.301 W
6,300.0	7.15	8.28	6,278.5	189.3	1,815.7	32° 4' 48.346 N	103° 17' 23.278 W
6,400.0	6.95	8.08	6,377.8	201.4	1,817.5	32° 4' 48.466 N	103° 17' 23.256 W
6,500.0	6.69	7.46	6,477.1	213.2	1,819.1	32° 4' 48.582 N	103° 17' 23.236 W
6,600.0	6.41	5.55	6,576.4	224.6	1,820.4	32° 4' 48.694 N	103° 17' 23.219 W
6,700.0	5.82	9.86	6,675.8	235.2	1,821.7	32° 4' 48.799 N	103° 17' 23.203 W
6,800.0	4.39	17.55	6,775.4	244.0	1,823.7	32° 4' 48.886 N	103° 17' 23.178 W
6,900.0	2.99	16.02	6,875.2	250.1	1,825.7	32° 4' 48.946 N	103° 17' 23.155 W
7,000.0	2.01	10.64	6,975.1	254.3	1,826.7	32° 4' 48.988 N	103° 17' 23.142 W
7,100.0	1.37	18.60	7,075.1	257.1	1,827.4	32° 4' 49.016 N	103° 17' 23.134 W
7,200.0	1.58	17.17	7,175.1	259.6	1,828.2	32° 4' 49.040 N	103° 17' 23.124 W
7,300.0	1.06	8.35	7,275.0	261.8	1,828.8	32° 4' 49.062 N	103° 17' 23.118 W
7,400.0	0.82	356.13	7,375.0	263.4	1,828.8	32° 4' 49.078 N	103° 17' 23.117 W
7,500.0	0.66	358.20	7,475.0	264.7	1,828.8	32° 4' 49.091 N	103° 17' 23.117 W
7,600.0	0.46	325.90	7,575.0	265.6	1,828.5	32° 4' 49.100 N	103° 17' 23.120 W
7,700.0	0.24	337.51	7,675.0	266.1	1,828.1	32° 4' 49.105 N	103° 17' 23.125 W
7,800.0	0.35	37.71	7,775.0	266.5	1,828.3	32° 4' 49.109 N	103° 17' 23.123 W
7,900.0	0.41	30.78	7,875.0	267.1	1,828.7	32° 4' 49.114 N	103° 17' 23.118 W
8,000.0	0.54	26.61	7,975.0	267.8	1,829.0	32° 4' 49.121 N	103° 17' 23.114 W
8,100.0	0.71	23.49	8,075.0	268.8	1,829.5	32° 4' 49.131 N	103° 17' 23.108 W
8,200.0	0.13	45.63	8,175.0	269.7	1,829.9	32° 4' 49.140 N	103° 17' 23.104 W
8,300.0	0.66	186.81	8,275.0	269.1	1,829.9	32° 4' 49.134 N	103° 17' 23.104 W
8,400.0	0.66	180.71	8,375.0	267.8	1,829.8	32° 4' 49.121 N	103° 17' 23.105 W
8,500.0	0.66	171.53	8,475.0	266.7	1,829.9	32° 4' 49.110 N	103° 17' 23.105 W
8,600.0	0.56	179.94	8,575.0	265.6	1,830.0	32° 4' 49.100 N	103° 17' 23.103 W
8,700.0	0.34	225.64	8,675.0	264.9	1,829.8	32° 4' 49.093 N	103° 17' 23.106 W
8,800.0	0.46	189.67	8,775.0	264.3	1,829.5	32° 4' 49.087 N	103° 17' 23.109 W
8,900.0	0.75	223.79	8,874.9	263.5	1,829.0	32° 4' 49.078 N	103° 17' 23.115 W
9,000.0	1.35	237.09	8,974.9	262.3	1,827.5	32° 4' 49.067 N	103° 17' 23.133 W
9,100.0	1.30	238.50	9,074.9	261.1	1,825.5	32° 4' 49.055 N	103° 17' 23.156 W
9,200.0	1.18	247.25	9,174.9	260.1	1,823.6	32° 4' 49.045 N	103° 17' 23.178 W
9,300.0	1.07	260.03	9,274.9	259.5	1,821.7	32° 4' 49.040 N	103° 17' 23.200 W
9,400.0	0.91	268.62	9,374.8	259.4	1,820.0	32° 4' 49.039 N	103° 17' 23.220 W
9,500.0	0.43	268.66	9,474.8	259.3	1,818.7	32° 4' 49.038 N	103° 17' 23.235 W
9,600.0	0.18	75.48	9,574.8	259.4	1,818.5	32° 4' 49.039 N	103° 17' 23.237 W
9,700.0	0.37	76.80	9,674.8	259.5	1,819.1	32° 4' 49.040 N	103° 17' 23.230 W
9,800.0	0.26	57.84	9,774.8	259.7	1,819.6	32° 4' 49.042 N	103° 17' 23.224 W
9,900.0	0.08	2.58	9,874.8	259.9	1,819.9	32° 4' 49.044 N	103° 17' 23.221 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

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Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
10,000.0	0.15	131.23	9,974.8	259.9	1,819.9	32° 4' 49.044 N	103° 17' 23.221 W
10,100.0	0.37	90.93	10,074.8	259.7	1,820.3	32° 4' 49.042 N	103° 17' 23.217 W
10,200.0	0.32	89.65	10,174.8	259.8	1,820.9	32° 4' 49.043 N	103° 17' 23.209 W
10,300.0	0.48	207.81	10,274.8	259.5	1,821.1	32° 4' 49.040 N	103° 17' 23.207 W
10,400.0	0.64	215.06	10,374.8	258.6	1,820.5	32° 4' 49.031 N	103° 17' 23.214 W
10,500.0	1.02	238.32	10,474.8	257.7	1,819.5	32° 4' 49.022 N	103° 17' 23.226 W
10,600.0	1.62	257.20	10,574.8	257.0	1,817.3	32° 4' 49.015 N	103° 17' 23.251 W
10,700.0	1.87	243.15	10,674.7	255.8	1,814.4	32° 4' 49.004 N	103° 17' 23.285 W
10,800.0	1.17	240.57	10,774.7	254.6	1,812.1	32° 4' 48.992 N	103° 17' 23.313 W
10,900.0	0.68	231.76	10,874.7	253.7	1,810.8	32° 4' 48.983 N	103° 17' 23.327 W
11,000.0	0.32	282.53	10,974.7	253.4	1,809.9	32° 4' 48.980 N	103° 17' 23.338 W
11,100.0	0.46	281.07	11,074.7	253.5	1,809.3	32° 4' 48.982 N	103° 17' 23.345 W
11,200.0	0.69	253.55	11,174.7	253.7	1,808.5	32° 4' 48.983 N	103° 17' 23.355 W
11,238.0	4.88	227.46	11,212.6	252.5	1,807.1	32° 4' 48.972 N	103° 17' 23.371 W
Holly 113H As Drilled KOP							
11,300.0	11.85	225.05	11,274.2	248.5	1,802.8	32° 4' 48.933 N	103° 17' 23.421 W
11,400.0	25.38	225.26	11,368.4	225.3	1,779.7	32° 4' 48.705 N	103° 17' 23.692 W
11,500.0	35.76	212.94	11,454.5	186.6	1,747.1	32° 4' 48.326 N	103° 17' 24.075 W
11,600.0	43.31	200.48	11,531.1	129.3	1,718.7	32° 4' 47.762 N	103° 17' 24.412 W
11,700.0	49.90	192.35	11,599.8	59.6	1,698.7	32° 4' 47.073 N	103° 17' 24.653 W
11,800.0	55.87	188.80	11,660.0	-18.9	1,684.4	32° 4' 46.298 N	103° 17' 24.828 W
11,900.0	65.36	184.58	11,709.2	-105.2	1,674.3	32° 4' 45.445 N	103° 17' 24.954 W
11,935.0	69.15	183.87	11,722.8	-137.4	1,671.9	32° 4' 45.127 N	103° 17' 24.985 W
Holly 113H As Drilled FTP							
12,000.0	76.19	182.64	11,742.2	-199.3	1,668.5	32° 4' 44.515 N	103° 17' 25.032 W
12,100.0	88.86	180.59	11,754.3	-298.2	1,664.6	32° 4' 43.536 N	103° 17' 25.089 W
12,200.0	91.82	174.45	11,752.9	-398.0	1,669.6	32° 4' 42.548 N	103° 17' 25.042 W
12,300.0	89.88	174.52	11,752.3	-497.5	1,679.8	32° 4' 41.563 N	103° 17' 24.934 W
12,400.0	91.26	177.40	11,750.3	-597.2	1,686.3	32° 4' 40.576 N	103° 17' 24.870 W
12,500.0	88.16	178.15	11,750.9	-697.1	1,690.5	32° 4' 39.587 N	103° 17' 24.832 W
12,600.0	85.93	179.78	11,756.3	-797.0	1,692.1	32° 4' 38.599 N	103° 17' 24.825 W
12,700.0	84.60	179.92	11,764.6	-896.6	1,691.9	32° 4' 37.613 N	103° 17' 24.838 W
12,800.0	84.44	180.91	11,774.6	-996.1	1,692.2	32° 4' 36.628 N	103° 17' 24.846 W
12,900.0	88.65	182.91	11,781.9	-1,095.7	1,688.3	32° 4' 35.643 N	103° 17' 24.903 W
13,000.0	89.35	182.11	11,781.3	-1,195.6	1,683.4	32° 4' 34.655 N	103° 17' 24.971 W
13,100.0	88.21	180.88	11,784.4	-1,295.5	1,681.0	32° 4' 33.667 N	103° 17' 25.010 W
13,200.0	87.25	179.33	11,787.9	-1,395.4	1,680.6	32° 4' 32.678 N	103° 17' 25.026 W
13,300.0	88.37	178.81	11,792.4	-1,495.3	1,682.5	32° 4' 31.690 N	103° 17' 25.015 W
13,400.0	94.58	180.16	11,790.6	-1,595.2	1,683.7	32° 4' 30.701 N	103° 17' 25.012 W
13,500.0	95.94	180.10	11,781.0	-1,694.8	1,683.3	32° 4' 29.716 N	103° 17' 25.028 W
13,600.0	94.75	179.80	11,771.0	-1,794.3	1,683.4	32° 4' 28.732 N	103° 17' 25.038 W
13,700.0	93.88	179.48	11,763.9	-1,894.0	1,684.0	32° 4' 27.745 N	103° 17' 25.042 W
13,800.0	92.93	179.66	11,757.8	-1,993.8	1,684.9	32° 4' 26.757 N	103° 17' 25.043 W
13,900.0	92.33	179.91	11,753.3	-2,093.7	1,685.3	32° 4' 25.768 N	103° 17' 25.050 W
14,000.0	91.73	178.79	11,749.8	-2,193.7	1,686.2	32° 4' 24.780 N	103° 17' 25.050 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
14,100.0	88.64	177.04	11,749.2	-2,293.6	1,689.8	32° 4' 23.791 N	103° 17' 25.020 W
14,200.0	88.86	175.82	11,751.6	-2,393.3	1,696.1	32° 4' 22.803 N	103° 17' 24.958 W
14,300.0	89.51	175.61	11,752.7	-2,493.0	1,703.8	32° 4' 21.816 N	103° 17' 24.880 W
14,400.0	86.27	178.44	11,756.8	-2,592.8	1,708.7	32° 4' 20.828 N	103° 17' 24.833 W
14,500.0	87.28	179.54	11,763.0	-2,692.6	1,710.7	32° 4' 19.840 N	103° 17' 24.822 W
14,600.0	90.67	180.69	11,764.7	-2,792.6	1,710.2	32° 4' 18.851 N	103° 17' 24.838 W
14,700.0	92.17	180.92	11,761.8	-2,892.5	1,708.9	32° 4' 17.863 N	103° 17' 24.866 W
14,800.0	91.22	180.60	11,758.6	-2,992.4	1,707.4	32° 4' 16.874 N	103° 17' 24.894 W
14,900.0	93.46	180.30	11,754.1	-3,092.3	1,706.2	32° 4' 15.886 N	103° 17' 24.920 W
15,000.0	92.01	179.89	11,749.7	-3,192.2	1,706.3	32° 4' 14.897 N	103° 17' 24.929 W
15,100.0	91.66	179.86	11,746.0	-3,292.2	1,706.4	32° 4' 13.908 N	103° 17' 24.940 W
15,200.0	90.21	178.06	11,744.4	-3,392.1	1,707.8	32° 4' 12.919 N	103° 17' 24.934 W
15,300.0	90.05	176.78	11,745.9	-3,491.9	1,714.3	32° 4' 11.931 N	103° 17' 24.870 W
15,400.0	89.89	178.17	11,744.9	-3,591.8	1,718.3	32° 4' 10.942 N	103° 17' 24.834 W
15,500.0	89.08	178.46	11,746.1	-3,691.7	1,721.2	32° 4' 9.953 N	103° 17' 24.812 W
15,600.0	89.80	179.02	11,747.3	-3,791.7	1,723.5	32° 4' 8.964 N	103° 17' 24.797 W
15,700.0	90.43	179.29	11,747.0	-3,891.7	1,724.9	32° 4' 7.974 N	103° 17' 24.792 W
15,800.0	88.79	181.34	11,747.4	-3,991.7	1,724.6	32° 4' 6.985 N	103° 17' 24.807 W
15,900.0	87.66	182.24	11,750.6	-4,091.6	1,721.3	32° 4' 5.997 N	103° 17' 24.856 W
16,000.0	86.25	181.42	11,755.9	-4,191.4	1,718.1	32° 4' 5.010 N	103° 17' 24.905 W
16,100.0	88.63	182.20	11,760.4	-4,291.2	1,714.9	32° 4' 4.022 N	103° 17' 24.953 W
16,200.0	90.26	181.94	11,761.1	-4,391.2	1,711.2	32° 4' 3.034 N	103° 17' 25.007 W
16,300.0	88.69	180.36	11,761.4	-4,491.1	1,708.6	32° 4' 2.045 N	103° 17' 25.049 W
16,400.0	87.38	176.02	11,765.7	-4,590.9	1,712.0	32° 4' 1.057 N	103° 17' 25.020 W
16,500.0	87.01	175.10	11,769.8	-4,690.5	1,720.0	32° 4' 0.071 N	103° 17' 24.938 W
16,600.0	86.25	176.15	11,775.7	-4,790.1	1,727.4	32° 3' 59.085 N	103° 17' 24.864 W
16,700.0	86.35	176.84	11,782.6	-4,889.6	1,733.8	32° 3' 58.099 N	103° 17' 24.801 W
16,800.0	88.05	178.54	11,787.6	-4,989.4	1,737.8	32° 3' 57.112 N	103° 17' 24.764 W
16,900.0	87.54	178.98	11,790.4	-5,089.4	1,739.4	32° 3' 56.123 N	103° 17' 24.758 W
17,000.0	87.01	178.14	11,796.0	-5,189.2	1,742.0	32° 3' 55.135 N	103° 17' 24.739 W
17,090.8	87.71	179.18	11,800.2	-5,279.8	1,744.1	32° 3' 54.237 N	103° 17' 24.724 W
Holly 113H into NMNM137473							
17,100.0	87.78	179.29	11,800.4	-5,289.0	1,744.8	32° 3' 54.146 N	103° 17' 24.718 W
17,200.0	87.76	179.62	11,804.2	-5,388.9	1,745.3	32° 3' 53.158 N	103° 17' 24.723 W
17,300.0	85.76	178.61	11,809.5	-5,488.8	1,746.7	32° 3' 52.170 N	103° 17' 24.718 W
17,400.0	85.22	179.64	11,817.7	-5,588.4	1,748.6	32° 3' 51.183 N	103° 17' 24.707 W
17,500.0	88.53	182.37	11,823.5	-5,688.2	1,746.9	32° 3' 50.196 N	103° 17' 24.737 W
17,600.0	92.57	184.79	11,822.6	-5,788.0	1,740.7	32° 3' 49.210 N	103° 17' 24.821 W
17,700.0	92.07	183.22	11,818.4	-5,887.7	1,733.6	32° 3' 48.224 N	103° 17' 24.915 W
17,800.0	92.27	181.30	11,814.4	-5,987.5	1,729.7	32° 3' 47.237 N	103° 17' 24.971 W
17,900.0	89.62	180.07	11,812.7	-6,087.5	1,728.6	32° 3' 46.248 N	103° 17' 24.996 W
18,000.0	87.06	179.44	11,816.1	-6,187.4	1,729.1	32° 3' 45.259 N	103° 17' 25.001 W
18,100.0	87.24	179.36	11,820.8	-6,287.3	1,730.1	32° 3' 44.270 N	103° 17' 25.000 W
18,200.0	86.62	179.49	11,826.6	-6,387.1	1,731.2	32° 3' 43.283 N	103° 17' 24.999 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
18,300.0	87.84	180.06	11,831.5	-6,487.0	1,731.8	32° 3' 42.294 N	103° 17' 25.003 W
18,400.0	88.67	180.80	11,834.2	-6,586.9	1,730.7	32° 3' 41.305 N	103° 17' 25.027 W
18,500.0	88.42	180.45	11,836.7	-6,686.9	1,729.5	32° 3' 40.316 N	103° 17' 25.052 W
18,600.0	88.22	179.44	11,839.7	-6,786.8	1,729.4	32° 3' 39.327 N	103° 17' 25.064 W
18,700.0	88.75	177.75	11,842.6	-6,886.8	1,731.8	32° 3' 38.338 N	103° 17' 25.048 W
18,800.0	88.19	176.65	11,844.7	-6,986.6	1,737.0	32° 3' 37.350 N	103° 17' 24.999 W
18,900.0	88.15	176.83	11,848.3	-7,086.4	1,742.9	32° 3' 36.362 N	103° 17' 24.942 W
19,000.0	88.75	177.50	11,851.0	-7,186.2	1,747.8	32° 3' 35.374 N	103° 17' 24.895 W
19,100.0	87.37	177.11	11,854.0	-7,286.1	1,752.3	32° 3' 34.386 N	103° 17' 24.855 W
19,200.0	88.49	177.38	11,858.1	-7,385.8	1,757.3	32° 3' 33.398 N	103° 17' 24.808 W
19,300.0	89.01	177.32	11,860.1	-7,485.7	1,761.8	32° 3' 32.409 N	103° 17' 24.766 W
19,400.0	89.69	178.75	11,861.3	-7,585.6	1,765.4	32° 3' 31.420 N	103° 17' 24.736 W
19,500.0	89.76	178.77	11,861.7	-7,685.6	1,767.5	32° 3' 30.431 N	103° 17' 24.723 W
19,600.0	89.20	178.60	11,862.6	-7,785.6	1,769.8	32° 3' 29.441 N	103° 17' 24.707 W
19,700.0	88.66	178.80	11,864.7	-7,885.5	1,772.2	32° 3' 28.452 N	103° 17' 24.690 W
19,800.0	89.52	180.28	11,866.0	-7,985.5	1,772.7	32° 3' 27.463 N	103° 17' 24.696 W
19,900.0	88.75	179.47	11,867.7	-8,085.5	1,773.0	32° 3' 26.473 N	103° 17' 24.704 W
20,000.0	88.91	179.77	11,869.6	-8,185.5	1,774.0	32° 3' 25.484 N	103° 17' 24.703 W
20,100.0	87.00	181.06	11,872.4	-8,285.4	1,773.0	32° 3' 24.495 N	103° 17' 24.726 W
20,200.0	83.73	181.37	11,881.2	-8,385.0	1,771.0	32° 3' 23.510 N	103° 17' 24.761 W
20,300.0	84.62	181.17	11,892.2	-8,484.4	1,768.4	32° 3' 22.527 N	103° 17' 24.802 W
20,400.0	86.21	180.55	11,899.4	-8,584.1	1,767.2	32° 3' 21.541 N	103° 17' 24.827 W
20,500.0	87.01	178.53	11,905.7	-8,683.9	1,767.2	32° 3' 20.553 N	103° 17' 24.838 W
20,600.0	89.27	179.19	11,909.9	-8,783.8	1,769.3	32° 3' 19.565 N	103° 17' 24.825 W
20,700.0	91.36	178.61	11,908.7	-8,883.7	1,770.7	32° 3' 18.575 N	103° 17' 24.820 W
20,800.0	90.04	178.20	11,906.8	-8,983.7	1,773.8	32° 3' 17.586 N	103° 17' 24.795 W
20,900.0	89.80	178.62	11,907.4	-9,083.6	1,776.7	32° 3' 16.597 N	103° 17' 24.773 W
21,000.0	89.49	178.95	11,907.9	-9,183.6	1,778.8	32° 3' 15.607 N	103° 17' 24.760 W
21,100.0	91.49	179.37	11,907.4	-9,283.6	1,780.3	32° 3' 14.618 N	103° 17' 24.754 W
21,200.0	92.61	179.95	11,903.7	-9,383.5	1,780.9	32° 3' 13.629 N	103° 17' 24.758 W
21,300.0	93.37	180.76	11,898.5	-9,483.4	1,780.2	32° 3' 12.641 N	103° 17' 24.776 W
21,400.0	92.25	181.43	11,893.6	-9,583.2	1,778.6	32° 3' 11.653 N	103° 17' 24.807 W
21,500.0	89.36	181.30	11,893.8	-9,683.2	1,776.7	32° 3' 10.664 N	103° 17' 24.840 W
21,600.0	87.52	181.04	11,896.6	-9,783.1	1,774.7	32° 3' 9.676 N	103° 17' 24.874 W
21,700.0	87.83	181.11	11,900.8	-9,883.0	1,772.8	32° 3' 8.687 N	103° 17' 24.907 W
21,800.0	86.85	181.22	11,905.5	-9,982.9	1,770.8	32° 3' 7.699 N	103° 17' 24.943 W
21,900.0	87.15	180.59	11,910.3	-10,082.8	1,768.9	32° 3' 6.711 N	103° 17' 24.975 W
22,000.0	86.77	180.53	11,916.2	-10,182.6	1,768.1	32° 3' 5.724 N	103° 17' 24.996 W
22,100.0	88.05	180.51	11,920.6	-10,282.5	1,767.3	32° 3' 4.735 N	103° 17' 25.017 W
22,200.0	88.82	180.71	11,923.3	-10,382.5	1,766.2	32° 3' 3.747 N	103° 17' 25.041 W
22,265.0	89.03	180.78	11,924.5	-10,447.4	1,765.4	32° 3' 3.104 N	103° 17' 25.058 W
Holly 113H As Drilled LTP							
22,300.0	89.15	180.81	11,924.9	-10,482.4	1,764.8	32° 3' 2.757 N	103° 17' 25.068 W
Holly 113H As Drilled BHL							



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Checked By: _____ Approved By: _____ Date: _____

Submit 1 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

WELL API NO. 30-025-46495
5. Indicate Type of Lease STATE ☐ FEE ☐ FED ☒
6. State Oil & Gas Lease No. NMNM137470
7. Lease Name or Unit Agreement Name HOLLY FED COM 26-36-05
8. Well Number 113H
9. OGRID Number 372224
10. Pool name or Wildcat WC-025 G-09 S263619C;WOLFCAMP

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
AMEREDEV OPERATING, LLC

3. Address of Operator
2901 VIA FORTUNA, SUITE 600 AUSTIN, TX 78746

4. Well Location
 Unit Letter C : 230' feet from the North line and 1730' feet from the West line
 Section 5 Township 26-S Range 36-E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
 3001' GL / 3028' RKB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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: 12/20/2019

RIG RELEASED: 02/05/2020

INTENT TO FLOW TEST HOLLY FED COM 26 36 05 113H (START DATE: 5/18/2021 - END DATE 08/16/2021)

Spud Date:

12/20/2019

Rig Release Date:

2/5/2020

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

Conditions of Approval (if any):

State of New Mexico
Energy, Minerals and Natural ResourcesOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Two 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

Revised April 3, 2017

1. WELL API NO. 30-025-46495

2. Type of Lease
☐ STATE ☐ FEE ☒ FED/INDIAN3. State Oil & Gas Lease No.
NMNM137470

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☒ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)5. Lease Name or Unit Agreement Name
HOLLY FED COM 26-36-056. Well Number:
113H

7. Type of Completion:

☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____8. Name of Operator
AMEREDEV OPERATING, LLC9. OGRID
37222410. Address of Operator
2901 VIA FORTUNA, SUITE 600 AUSTIN, TX 7874611. Pool name or Wildcat
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:	C	5	26-S	36-E	-	230'	North	1730'	West	LEA
BH:	N	8	26-S	36-E	-	51'	SOUTH	1652'	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.)
12/20/2019	2/4/2020	2/5/2020	5/18/2021	3001' GL / 3028' RKB

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
22329'	22270'	YES	GR

22. Producing Interval(s), of this completion - Top, Bottom, Name

11935' - 22265' 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#	1280'	17.5"	1395	
7.625" HCL80	29.7#	11050'	12.25" / 9.875"	810 / 810	
5.5" P110	23#	22296'	6.75"	500 / 1010	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2.375"	11242'	11242'

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

11935' - 22265', 0.49, 5106

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11935' - 22265'	31,209,530 LBS PROPPANT / 691,647BBLs FLUIDS

23. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
5/19/2021	FLOWING	PRODUCING

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
6/14/2021	24	128		1531	1736	1769	1133

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
689	0		1531	1736	1769	43.5

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 <u>1243</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn "A" _____
T. Salt <u>1542</u>	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 <u>8197</u>	T. Todilto _____	
T. Abo _____	T. _____	T. Entrada _____	
T. Wolfcamp <u>11540</u>	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	1243	1243	Sand/Silts/Clay				
1243	1542	299	Anhydrite/Dolomite				
1542	3764	2222	Anhydrite/Salt				
3764	8197	4433	Limestone/Dolomite/Sandstone				
8197	9564	1367	Sands/Silts/Limestone				
9564	11245	1681	Limestone w/ minor Sands & Silts				
11245	TD		Silty Limestone				



Ameredev II, LLC

As-Drilled Wellbore Schematic

Well: Holly Fed Com 26-36-05 113H
SHL: Sec. 05 26S-36E 230' FNL & 1730' FWL
BHL: Sec. 08 26S-36E 51' FSL & 1652' 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: 40852
AFE No.: 2019-010
API No.: xxxxxxxxxxxx
GL: 3,001'
Field: Delaware
Objective: Wolfcamp A
TVD: 11,924'
MD: 22,296'
Rig: H&P 616 **KB 27'**
E-Mail: Wellsite2@ameredev.com

Hole Size	Formation Tops	Logs	Cement	Mud Weight
17.5"	Rustler 1,076' 13.375" 68# J-55 BTC 1,280'	1,395 Sacks TOC 0'	100% Excess	8.4-8.6 ppg WBM
12.25"	Salado 1,542' Tansill 3,173' DV Tool with ACP 3,387' Capitan Reef 3,755' Lamar 5,066' Bell Canyon 5,937' No Casing 5,191'			8.5-9.4 Diesel Brine Emulsion
9.875"	Brushy Canyon 7,021' Bone Spring Lime 8,172' First Bone Spring 9,539' Second Bone Spring 10,071' Third Bone Spring Upper 10,653' 7.625" 29.7# L-80HC BTC 11,050'	1,620 Sacks TOC 0'	50% Excess	
6.75"	Third Bone Spring 11,238' Wolfcamp 11,485' 5.5" 23# P110MS2 Anaconda GT 22,296' Target Wolfcamp A 11924 TVD // 22296 MD	1,510 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 42175

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 42175
	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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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 42175

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 42175
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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