

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

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Redwood Operating LLC P.O. 1370 Artesia, NM 88211-1370		² OGRID Number 330211	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 0 15-47052	⁵ Pool Name Red Lake; Glorieta-Yeso, NE		⁶ Pool Code 96836
⁷ Property Code 328110 331709	⁸ Property Name Big Eagle 27 Federal		⁹ Well Number 1H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	26	17S	27E		2325	South	575	West	Eddy

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
L	27	17S	27E		2308	South	3	West	Eddy
¹² Lse Code F	¹³ Producing Method Code P		¹⁴ Gas Connection Date 5/14/2022		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
278471	Holly Marketing & Refining Co. LLC P.O. Box 1600 Artesia, NM 88211-1600	O
036788	DCP Midstream 4001 Penbrook Odessa, TX 79762	G

IV. Well Completion Data

²¹ Spud Date 2/11/2022	²² Ready Date 5/10/2022	²³ TD 8634'/ TVD 3142'	²⁴ PBTD 8562'-3145/ TVD 3208-3142	²⁵ Perforations 3596'-8530'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12 1/4"		9 5/8"		1225'	670 sx
8 3/4"		7" & 5 1/2"		8634'	1676 sx

V. Well Test Data

³¹ Date New Oil 5/22/2022	³² Gas Delivery Date 5/14/2022	³³ Test Date 5/22/2022	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 39	³⁹ Water 4151	⁴⁰ Gas 161		⁴¹ Test Method pumping
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Delilah Flores</i>			OIL CONSERVATION DIVISION		
Printed name: Delilah Flores			Approved by: John Garcia		
Title: Regulatory Technician I			Title: Engineer		
E-mail Address: regulatory@redwoodoperating.com			Approval Date:		
Date: 5/23/2022		Phone: 575-748-1288			

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 30-015-47052	² Pool Code 96836	³ Pool Name Red Lake; Glorieta-Yeso, NE
⁴ Property Code 331709	⁵ Property Name BIG EAGLE 27 FEDERAL	⁶ Well Number 1H
⁷ OGRID No. 330211	⁸ Operator Name REDWOOD OPERATING, LLC	⁹ Elevation 3517.1

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
L	26	17 S	27 E		2325	SOUTH	575	WEST	EDDY

¹¹ Bottom 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
L	27	17 S	27 E		2308	SOUTH	3	WEST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowance will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

NW CORNER SEC. 27 LAT. = 32.8123954°N LONG. = 104.2750241°W NMSP EAST (FT) N = 659287.01 E = 559251.48 N/4 CORNER SEC. 27 LAT. = 32.8124717°N LONG. = 104.2665142°W NMSP EAST (FT) N = 659316.30 E = 561865.91 NE CORNER SEC. 27 LAT. = 32.8125494°N LONG. = 104.2580078°W NMSP EAST (FT) N = 659346.33 E = 564479.26 N/4 CORNER SEC. 26 LAT. = 32.8124627°N LONG. = 104.2494185°W NMSP EAST (FT) N = 659316.77 E = 567118.12 NE CORNER SEC. 26 LAT. = 32.8123817°N LONG. = 104.2408325°W NMSP EAST (FT) N = 659289.51 E = 569755.95					¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Delilah Flores</i> 5/31/2022 Signature Date Delilah Flores Printed Name delilah@mec.com E-mail Address				
W/4 CORNER SEC. 27 LAT. = 32.8052039°N LONG. = 104.2750032°W NMSP EAST (FT) N = 656670.63 E = 559259.35 W/4 CORNER SEC. 26 LAT. = 32.8053562°N LONG. = 104.2580764°W NMSP EAST (FT) N = 656729.35 E = 564460.05 E/4 CORNER SEC. 26 LAT. = 32.8051407°N LONG. = 104.2408281°W NMSP EAST (FT) N = 656655.12 E = 569759.63					¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. MAY 3, 2022 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Certificate Number: 12797 Surveyor No. 7041C				
SW CORNER SEC. 27 LAT. = 32.7979460°N LONG. = 104.2750255°W NMSP EAST (FT) N = 654030.12 E = 559253.94 S/4 CORNER SEC. 27 LAT. = 32.7980533°N LONG. = 104.2665830°W NMSP EAST (FT) N = 654071.39 E = 561848.10 SE CORNER SEC. 27 LAT. = 32.7981630°N LONG. = 104.2581435°W NMSP EAST (FT) N = 654112.34 E = 564441.27 S/4 CORNER SEC. 26 LAT. = 32.7980319°N LONG. = 104.2494830°W NMSP EAST (FT) N = 654066.63 E = 567102.47 SE CORNER SEC. 26 LAT. = 32.7979027°N LONG. = 104.2408235°W NMSP EAST (FT) N = 654021.83 E = 569763.33					AS-DRILLED FIRST TAKE POINT 2305' FSL, 166' FEL LAT. = 32.8044913°N LONG. = 104.2586236°W NMSP EAST (FT) N = 656414.54 E = 564292.14 LAST TAKE POINT 2306' FSL, 107' FWL LAT. = 32.8042886°N LONG. = 104.2746571°W NMSP EAST (FT) N = 656337.71 E = 559365.88 BOTTOM OF HOLE LAT. = 32.8042906°N LONG. = 104.2749952°W NMSP EAST (FT) N = 656338.37 E = 559262.00 KICK OFF POINT 2306' FSL, 586' FWL LAT. = 32.8044723°N LONG. = 104.2561768°W NMSP EAST (FT) N = 656408.18 E = 565043.92 SURFACE LOCATION KOP BIG EAGLE 27 FEDERAL 1H ELEV. = 3517.1 LAT. = 32.8045240°N (NAD83) LONG. = 104.2562131°W NMSP EAST (FT) N = 656426.99 E = 565032.77				

Intent ☐ As Drilled ☒

API #		
Operator Name: REDWOOD OPERATING, LLC	Property Name: BIG EAGLE 27 FEDERAL	Well Number 1H

Kick Off Point (KOP)

UL L	Section 26	Township 17S	Range 27E	Lot	Feet 2006	From N/S SOUTH	Feet 586	From E/W WEST	County EDDY
Latitude 32.8044723					Longitude 104.2561768			NAD 83	

First Take Point (FTP)

UL I	Section 27	Township 17S	Range 27E	Lot	Feet 2305	From N/S SOUTH	Feet 166	From E/W EAST	County EDDY
Latitude 32.8044913					Longitude 104.2586236			NAD 83	

Last Take Point (LTP)

UL L	Section 27	Township 17S	Range 27E	Lot	Feet 2306	From N/S WEST	Feet 107	From E/W WEST	County EDDY
Latitude 32.8042886					Longitude 104.2746571			NAD 83	

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

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Redwood Operating LLC

Eddy County, NM

Sec 26-T17S-R27E

Big Eagle 27 Federal 1H

Wellbore #1

Survey: Survey #1

Standard Survey Report

22 February, 2022

Microsoft Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Big Eagle 27 Federal 1H
Project:	Eddy County, NM	TVD Reference:	3517.1+18 @ 3535.1usft
Site:	Sec 26-T17S-R27E	MD Reference:	3517.1+18 @ 3535.1usft
Well:	Big Eagle 27 Federal 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Project	Eddy County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 26-T17S-R27E		
Site Position:		Northing:	656,426.99 usft
From:	Map	Easting:	565,032.77 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 48' 16.287 N
		Longitude:	104° 15' 22.367 W
		Grid Convergence:	0.04 °

Well	Big Eagle 27 Federal 1H		
Well Position	+N/-S	0.0 usft	Northing: 656,426.99 usft
	+E/-W	0.0 usft	Easting: 565,032.77 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 48' 16.287 N
		Longitude:	104° 15' 22.367 W
		Ground Level:	3,517.1 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	01/07/22	6.82
			Dip Angle (°)
			60.42
			Field Strength (nT)
			47,737.27227438

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			269.14

Survey Program	Date	02/22/22		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
159.0	8,634.0	Survey #1 (Wellbore #1)	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
159.0	1.10	128.70	159.0	-1.0	1.2	-1.2	0.69	0.69	0.00
1st MWD Survey									
278.0	1.30	143.90	278.0	-2.8	2.9	-2.8	0.31	0.17	12.77
397.0	1.20	139.70	396.9	-4.8	4.5	-4.4	0.11	-0.08	-3.53
492.0	1.20	140.20	491.9	-6.3	5.8	-5.7	0.01	0.00	0.53
619.0	1.20	143.50	618.9	-8.4	7.4	-7.3	0.05	0.00	2.60
745.0	1.10	168.70	744.9	-10.7	8.4	-8.3	0.41	-0.08	20.00
872.0	1.30	182.60	871.8	-13.3	8.6	-8.4	0.28	0.16	10.94
999.0	1.20	182.20	998.8	-16.1	8.5	-8.2	0.08	-0.08	-0.31
1,125.0	1.00	187.80	1,124.8	-18.5	8.3	-8.0	0.18	-0.16	4.44

Microsoft
Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Big Eagle 27 Federal 1H
Project:	Eddy County, NM	TVD Reference:	3517.1+18 @ 3535.1usft
Site:	Sec 26-T17S-R27E	MD Reference:	3517.1+18 @ 3535.1usft
Well:	Big Eagle 27 Federal 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

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)
1,314.0	0.50	186.40	1,313.8	-20.9	8.0	-7.6	0.26	-0.26	-0.74
1,440.0	0.40	26.40	1,439.8	-21.1	8.1	-7.8	0.70	-0.08	-126.98
1,566.0	0.40	28.10	1,565.8	-20.3	8.5	-8.2	0.01	0.00	1.35
1,693.0	0.40	41.30	1,692.8	-19.6	9.0	-8.7	0.07	0.00	10.39
1,819.0	0.50	34.90	1,818.8	-18.8	9.6	-9.3	0.09	0.08	-5.08
1,945.0	0.30	69.80	1,944.8	-18.2	10.2	-10.0	0.24	-0.16	27.70
2,072.0	0.10	73.00	2,071.7	-18.1	10.7	-10.4	0.16	-0.16	2.52
2,198.0	0.40	78.10	2,197.7	-18.0	11.2	-10.9	0.24	0.24	4.05
2,325.0	0.40	199.20	2,324.7	-18.3	11.5	-11.2	0.55	0.00	95.35
2,357.0	1.80	214.10	2,356.7	-18.8	11.2	-10.9	4.43	4.38	46.56
2,388.0	3.20	223.60	2,387.7	-19.8	10.3	-10.0	4.69	4.52	30.65
2,420.0	4.90	233.40	2,419.6	-21.3	8.6	-8.3	5.72	5.31	30.63
2,452.0	6.50	239.00	2,451.5	-23.0	5.9	-5.6	5.29	5.00	17.50
2,483.0	8.20	245.80	2,482.2	-24.9	2.4	-2.0	6.15	5.48	21.94
2,515.0	9.50	245.90	2,513.8	-26.9	-2.1	2.5	4.06	4.06	0.31
2,547.0	12.00	253.80	2,545.3	-28.9	-7.7	8.1	9.05	7.81	24.69
2,578.0	14.20	258.10	2,575.5	-30.6	-14.5	15.0	7.76	7.10	13.87
2,610.0	16.50	259.10	2,606.3	-32.2	-22.8	23.3	7.23	7.19	3.13
2,641.0	18.60	257.90	2,635.9	-34.1	-32.0	32.5	6.87	6.77	-3.87
2,673.0	21.30	256.70	2,666.0	-36.5	-42.6	43.2	8.53	8.44	-3.75
2,705.0	24.00	257.40	2,695.5	-39.3	-54.6	55.2	8.48	8.44	2.19
2,737.0	26.90	259.00	2,724.4	-42.1	-68.1	68.7	9.31	9.06	5.00
2,768.0	29.50	260.80	2,751.7	-44.6	-82.5	83.2	8.82	8.39	5.81
2,800.0	32.00	263.30	2,779.2	-46.9	-98.7	99.4	8.77	7.81	7.81
2,831.0	33.90	265.60	2,805.2	-48.5	-115.5	116.2	7.34	6.13	7.42
2,863.0	36.00	268.20	2,831.4	-49.5	-133.8	134.5	8.04	6.56	8.13
2,895.0	38.00	271.50	2,857.0	-49.5	-153.0	153.8	8.81	6.25	10.31
2,926.0	40.60	274.10	2,881.0	-48.5	-172.7	173.4	9.93	8.39	8.39
2,958.0	43.30	275.40	2,904.8	-46.8	-194.0	194.6	8.86	8.44	4.06
2,990.0	46.20	276.00	2,927.5	-44.5	-216.4	217.0	9.16	9.06	1.88
3,022.0	49.00	276.70	2,949.1	-41.9	-239.9	240.5	8.90	8.75	2.19
3,053.0	52.00	276.60	2,968.8	-39.1	-263.6	264.2	9.68	9.68	-0.32
3,085.0	54.70	276.40	2,987.9	-36.2	-289.1	289.6	8.45	8.44	-0.63
3,096.0	55.00	276.30	2,994.2	-35.2	-298.1	298.6	2.83	2.73	-0.91
3,107.0	55.20	276.30	3,000.5	-34.2	-307.0	307.5	1.82	1.82	0.00
3,117.0	55.30	276.40	3,006.2	-33.3	-315.2	315.7	1.29	1.00	1.00
3,128.0	55.40	276.40	3,012.5	-32.3	-324.2	324.6	0.91	0.91	0.00
3,138.0	55.50	276.50	3,018.1	-31.4	-332.4	332.8	1.30	1.00	1.00
3,148.0	55.60	276.60	3,023.8	-30.5	-340.6	341.0	1.30	1.00	1.00
3,159.0	55.70	276.50	3,030.0	-29.4	-349.6	350.0	1.18	0.91	-0.91
3,170.0	55.90	276.50	3,036.2	-28.4	-358.6	359.0	1.82	1.82	0.00
3,180.0	56.00	276.60	3,041.8	-27.4	-366.9	367.2	1.30	1.00	1.00
3,190.0	56.20	276.70	3,047.4	-26.5	-375.1	375.5	2.17	2.00	1.00

Microsoft Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Big Eagle 27 Federal 1H
Project:	Eddy County, NM	TVD Reference:	3517.1+18 @ 3535.1usft
Site:	Sec 26-T17S-R27E	MD Reference:	3517.1+18 @ 3535.1usft
Well:	Big Eagle 27 Federal 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

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)
3,201.0	56.40	276.70	3,053.5	-25.4	-384.2	384.5	1.82	1.82	0.00
3,211.0	56.60	276.80	3,059.0	-24.4	-392.5	392.8	2.17	2.00	1.00
3,222.0	56.70	276.70	3,065.0	-23.4	-401.6	401.9	1.18	0.91	-0.91
3,233.0	56.90	276.80	3,071.1	-22.3	-410.7	411.0	1.97	1.82	0.91
3,243.0	57.10	276.90	3,076.5	-21.3	-419.1	419.3	2.17	2.00	1.00
3,254.0	57.20	276.90	3,082.5	-20.2	-428.2	428.5	0.91	0.91	0.00
3,265.0	57.50	277.00	3,088.4	-19.0	-437.4	437.7	2.83	2.73	0.91
3,275.0	57.60	277.00	3,093.8	-18.0	-445.8	446.0	1.00	1.00	0.00
3,286.0	57.90	277.10	3,099.6	-16.9	-455.0	455.2	2.83	2.73	0.91
3,296.0	58.00	277.30	3,105.0	-15.8	-463.5	463.6	1.97	1.00	2.00
3,306.0	58.20	277.30	3,110.2	-14.7	-471.9	472.0	2.00	2.00	0.00
3,317.0	58.40	277.30	3,116.0	-13.5	-481.2	481.3	1.82	1.82	0.00
3,328.0	58.90	277.30	3,121.7	-12.4	-490.5	490.6	4.55	4.55	0.00
3,338.0	59.40	276.90	3,126.9	-11.3	-499.0	499.1	6.07	5.00	-4.00
3,370.0	62.60	275.00	3,142.4	-8.4	-526.8	526.9	11.27	10.00	-5.94
3,402.0	65.50	274.00	3,156.4	-6.1	-555.5	555.5	9.49	9.06	-3.13
3,465.0	70.50	270.90	3,180.0	-3.7	-613.8	613.8	9.15	7.94	-4.92
3,496.0	73.40	268.40	3,189.6	-3.9	-643.3	643.3	12.09	9.35	-8.06
3,528.0	76.90	267.10	3,197.8	-5.1	-674.2	674.2	11.62	10.94	-4.06
3,528.7	76.98	267.03	3,197.9	-5.1	-674.9	674.9	14.69	10.88	-10.13
FTP 3528.7 MD/3197.9 TVD -5.1 S -674.9 W N: 656421.8 E: 564357.8									
3,560.0	80.40	263.90	3,204.1	-7.5	-705.5	705.5	14.69	10.94	-10.00
3,592.0	83.70	260.70	3,208.5	-11.8	-736.9	737.0	14.30	10.31	-10.00
3,629.0	89.10	260.70	3,210.8	-17.8	-773.3	773.5	14.59	14.59	0.00
3,661.0	94.20	260.60	3,209.9	-23.0	-804.9	805.1	15.94	15.94	-0.31
3,693.0	95.60	262.30	3,207.2	-27.7	-836.4	836.7	6.87	4.38	5.31
3,724.0	96.60	264.40	3,203.9	-31.3	-867.0	867.4	7.47	3.23	6.77
3,756.0	95.80	266.80	3,200.4	-33.7	-898.7	899.1	7.86	-2.50	7.50
3,787.0	94.90	269.00	3,197.5	-34.8	-929.6	930.0	7.64	-2.90	7.10
3,819.0	92.90	269.70	3,195.4	-35.2	-961.5	961.9	6.62	-6.25	2.19
3,882.0	93.50	270.00	3,191.8	-35.4	-1,024.4	1,024.8	1.06	0.95	0.48
3,946.0	94.30	269.90	3,187.5	-35.4	-1,088.2	1,088.6	1.26	1.25	-0.16
4,009.0	93.80	268.00	3,183.0	-36.6	-1,151.1	1,151.5	3.11	-0.79	-3.02
4,072.0	95.60	269.50	3,177.9	-37.9	-1,213.8	1,214.3	3.71	2.86	2.38
4,104.0	93.20	268.10	3,175.4	-38.6	-1,245.7	1,246.2	8.68	-7.50	-4.38
4,136.0	93.20	267.90	3,173.6	-39.7	-1,277.7	1,278.1	0.62	0.00	-0.63
4,167.0	94.10	270.00	3,171.7	-40.3	-1,308.6	1,309.0	7.36	2.90	6.77
4,199.0	92.40	270.10	3,169.8	-40.3	-1,340.5	1,341.0	5.32	-5.31	0.31
4,231.0	92.70	271.40	3,168.4	-39.8	-1,372.5	1,372.9	4.17	0.94	4.06
4,262.0	90.60	272.60	3,167.5	-38.8	-1,403.5	1,403.9	7.80	-6.77	3.87
4,294.0	90.00	272.50	3,167.4	-37.3	-1,435.4	1,435.8	1.90	-1.88	-0.31
4,326.0	87.60	272.40	3,168.0	-36.0	-1,467.4	1,467.8	7.51	-7.50	-0.31
4,357.0	86.00	273.30	3,169.8	-34.4	-1,498.3	1,498.7	5.92	-5.16	2.90

Microsoft Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Big Eagle 27 Federal 1H
Project:	Eddy County, NM	TVD Reference:	3517.1+18 @ 3535.1usft
Site:	Sec 26-T17S-R27E	MD Reference:	3517.1+18 @ 3535.1usft
Well:	Big Eagle 27 Federal 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

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)	
4,389.0	86.30	273.40	3,171.9	-32.6	-1,530.2	1,530.5	0.99	0.94	0.31	
4,421.0	87.50	273.70	3,173.6	-30.6	-1,562.1	1,562.4	3.87	3.75	0.94	
4,452.0	88.40	272.70	3,174.8	-28.9	-1,593.0	1,593.3	4.34	2.90	-3.23	
4,484.0	87.40	274.40	3,175.9	-26.9	-1,624.9	1,625.1	6.16	-3.13	5.31	
4,517.0	86.40	275.50	3,177.7	-24.0	-1,657.7	1,657.9	4.50	-3.03	3.33	
4,548.0	86.70	273.90	3,179.6	-21.5	-1,688.6	1,688.7	5.24	0.97	-5.16	
4,580.0	88.00	271.90	3,181.1	-19.9	-1,720.5	1,720.6	7.45	4.06	-6.25	
4,612.0	89.60	270.60	3,181.7	-19.2	-1,752.5	1,752.6	6.44	5.00	-4.06	
4,643.0	90.40	269.50	3,181.7	-19.2	-1,783.5	1,783.6	4.39	2.58	-3.55	
4,675.0	90.90	269.00	3,181.4	-19.6	-1,815.5	1,815.6	2.21	1.56	-1.56	
4,707.0	91.70	268.00	3,180.6	-20.4	-1,847.5	1,847.6	4.00	2.50	-3.13	
4,770.0	92.00	267.10	3,178.6	-23.1	-1,910.4	1,910.5	1.51	0.48	-1.43	
4,802.0	90.40	266.70	3,177.9	-24.8	-1,942.3	1,942.5	5.15	-5.00	-1.25	
4,834.0	90.40	267.10	3,177.7	-26.6	-1,974.3	1,974.4	1.25	0.00	1.25	
4,897.0	88.50	267.60	3,178.3	-29.5	-2,037.2	2,037.4	3.12	-3.02	0.79	
4,960.0	88.70	267.70	3,179.9	-32.1	-2,100.1	2,100.4	0.35	0.32	0.16	
5,024.0	89.00	267.80	3,181.1	-34.6	-2,164.1	2,164.3	0.49	0.47	0.16	
5,087.0	89.10	267.80	3,182.2	-37.0	-2,227.0	2,227.3	0.16	0.16	0.00	
5,214.0	90.10	268.20	3,183.1	-41.4	-2,353.9	2,354.3	0.85	0.79	0.31	
5,340.0	90.60	268.90	3,182.3	-44.6	-2,479.9	2,480.3	0.68	0.40	0.56	
5,467.0	91.30	269.00	3,180.2	-46.9	-2,606.8	2,607.2	0.56	0.55	0.08	
5,593.0	92.00	269.40	3,176.6	-48.7	-2,732.8	2,733.2	0.64	0.56	0.32	
5,720.0	89.80	269.10	3,174.6	-50.4	-2,859.7	2,860.2	1.75	-1.73	-0.24	
5,847.0	90.80	268.70	3,173.9	-52.8	-2,986.7	2,987.2	0.85	0.79	-0.31	
5,974.0	90.90	267.60	3,172.0	-56.9	-3,113.6	3,114.1	0.87	0.08	-0.87	
6,101.0	90.40	266.10	3,170.6	-63.9	-3,240.4	3,241.0	1.24	-0.39	-1.18	
6,228.0	90.70	266.00	3,169.4	-72.6	-3,367.1	3,367.8	0.25	0.24	-0.08	
6,354.0	90.70	267.80	3,167.8	-79.4	-3,492.9	3,493.7	1.43	0.00	1.43	
6,481.0	91.10	268.40	3,165.8	-83.6	-3,619.8	3,620.7	0.57	0.31	0.47	
6,608.0	91.50	270.00	3,162.9	-85.4	-3,746.8	3,747.6	1.30	0.31	1.26	
6,733.0	92.00	270.30	3,159.1	-85.1	-3,871.7	3,872.6	0.47	0.40	0.24	
6,860.0	91.00	270.80	3,155.8	-83.9	-3,998.7	3,999.5	0.88	-0.79	0.39	
6,986.0	89.20	270.40	3,155.6	-82.6	-4,124.7	4,125.4	1.46	-1.43	-0.32	
7,113.0	89.90	270.00	3,156.6	-82.1	-4,251.7	4,252.4	0.63	0.55	-0.31	
7,239.0	91.20	270.80	3,155.4	-81.2	-4,377.6	4,378.4	1.21	1.03	0.63	
7,366.0	89.70	270.60	3,154.4	-79.7	-4,504.6	4,505.3	1.19	-1.18	-0.16	
7,493.0	91.00	270.90	3,153.6	-78.0	-4,631.6	4,632.3	1.05	1.02	0.24	
7,619.0	89.80	269.50	3,152.7	-77.6	-4,757.6	4,758.2	1.46	-0.95	-1.11	
7,746.0	90.00	268.80	3,152.9	-79.5	-4,884.6	4,885.2	0.57	0.16	-0.55	
7,873.0	91.10	269.10	3,151.7	-81.8	-5,011.6	5,012.2	0.90	0.87	0.24	
8,000.0	89.10	269.30	3,151.5	-83.6	-5,138.5	5,139.2	1.58	-1.57	0.16	
8,127.0	89.30	268.80	3,153.3	-85.7	-5,265.5	5,266.2	0.42	0.16	-0.39	
8,253.0	90.10	268.80	3,153.9	-88.3	-5,391.5	5,392.2	0.63	0.63	0.00	
8,380.0	91.80	270.00	3,151.8	-89.6	-5,518.4	5,519.2	1.64	1.34	0.94	

Microsoft
Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Big Eagle 27 Federal 1H
Project:	Eddy County, NM	TVD Reference:	3517.1+18 @ 3535.1usft
Site:	Sec 26-T17S-R27E	MD Reference:	3517.1+18 @ 3535.1usft
Well:	Big Eagle 27 Federal 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

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)	
8,507.0	92.10	270.20	3,147.5	-89.4	-5,645.4	5,646.1	0.28	0.24	0.16	
8,535.8	92.25	270.30	3,146.4	-89.3	-5,674.1	5,674.8	0.61	0.51	0.34	
LTP 8535.8 MD/3146.4 TVD -89.3 S -5674.1 W N: 656337.7 E: 559358.6										
8,566.0	92.40	270.40	3,145.2	-89.1	-5,704.3	5,705.0	0.61	0.51	0.34	
Last MWD Survey 8566 MD 3145.2 TVD -89.1 S -5704.3 W N: 656337.8 E: 559328.4										
8,634.0	92.40	270.40	3,142.3	-88.6	-5,772.3	5,772.9	0.00	0.00	0.00	
PTB 8634 MD/3142.3 TVD -88.6 S -5772.3 W N: 656338.3 E: 559260.5										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
159.0	159.0	-1.0	1.2	1st MWD Survey	
3,528.7	3,197.9	-5.1	-674.9	FTP 3528.7 MD/3197.9 TVD -5.1 S -674.9 W N: 656421.8 E: 564357.8	
8,535.8	3,146.4	-89.3	-5,674.1	LTP 8535.8 MD/3146.4 TVD -89.3 S -5674.1 W N: 656337.7 E: 559358.6	
8,566.0	3,145.2	-89.1	-5,704.3	Last MWD Survey 8566 MD 3145.2 TVD -89.1 S -5704.3 W N: 656337.8 E: 559328.4	
8,634.0	3,142.3	-88.6	-5,772.3	PTB 8634 MD/3142.3 TVD -88.6 S -5772.3 W N: 656338.3 E: 559260.5	

Checked By: _____ Approved By: _____ Date: _____

Submit a 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. 30-015-47052
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Big Eagle 27 Federal
8. Well Number 1H
9. OGRID Number 330211
10. Pool name or Wildcat Red Lake; Glorieta-Yeso, NE
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3517.1' GR

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 Redwood Operating LLC	
3. Address of Operator P.O. Box 1370 Artesia, NM 88211-1370	
4. Well Location Unit Letter L : 2325 feet from the South line and 575 feet from the West line Section 26 Township 17S Range 27E NMPM County Eddy	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3517.1' GR	

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 ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		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.

4/6/2022 - 5/10/2022 Perforated 3596'-8530', .42, 1050 holes. Frac w/
950.6 bbls 15% Acid, 225,605 bbls SW, 4,323,650 # 100 Mesh, 3,619,000
40/70 white, 735,030 40/70 Resin. RIH w/ 99 jts 2 7/8" J-55 tbg @ 3256'.
Summit 538 series.

Spud Date:

Rig Release Date:

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

SIGNATURE Delilah Flores TITLE Regulatory Technician I DATE 5/23/2022

Type or print name Delilah Flores E-mail address: regulatory@redwoodoperating.com PHONE: 575-748-1288

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-015-47052		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN		
								3. State Oil & Gas Lease No.		
5. Lease Name or Unit Agreement Name Big Eagle 27 Federal								6. Well Number: 1H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator Redwood Operating LLC								9. OGRID 330211		
10. Address of Operator P.O Box 1370 Artesia, NM 88211-1370								11. Pool name or Wildcat Red Lake; Glorieta-Yeso, NE		
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	L	26	17S	27E		2325	South	575	West	Eddy
BH:	L	27	17S	27E		2308	South	3	West	Eddy
13. Date Spudded 2/11/2022	14. Date T.D. Reached 2/19/2022		15. Date Rig Released 2/21/2022			16. Date Completed (Ready to Produce) 5/10/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3517.1'		
18. Total Measured Depth of Well 8634'			19. Plug Back Measured Depth 8562'			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run submitted		
22. Producing Interval(s), of this completion - Top, Bottom, Name 3593'-8530' Red Lake; Glorieta-Yeso, NE										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
9 5/8		36#		1225'		12 1/4"		670 sx		
7" & 5 1/2"		26# & 17#		8634'		8 3/4"		1676 sx		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 3593'-8530', .42, 1050 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						3596'-8530'		950.6 bbls 15% Acid, 225,605 bbls SW, 4,323,650 # 100 Mesh,		
								3,619,000 40/70 White, 735,030 40/70 Resin		
28. PRODUCTION										
Date First Production 5/22/2022		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Summit 538 Series SJ5500				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 5/22/2022	Hours Tested 24 hrs.	Choke Size	Prod'n For Test Period	Oil - Bbl 39	Gas - MCF 161	Water - Bbl. 4151	Gas - Oil Ratio 6279			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 39	Gas - MCF 161	Water - Bbl. 4151	Oil Gravity - API - (<i>Corr.</i>) 38.1				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold							30. Test Witnessed By Robert Chase			
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date: 2/21/2022		
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD83				
<i>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</i>										
Signature Delilah Flores			Printed Name			Title			Date	
E-mail Address regulatory@redwoodoperating.com			Delilah Flores			Regulatory Technician			5/23/2022	

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.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 275'	T. Devonian	T. Cliff House	T. Leadville
T. Queen 715'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 1115'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 1365'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 2705'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock Yeso - 2815'	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

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.....

From	To	Thickness In Feet	Lithology

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 112515

ACKNOWLEDGMENTS

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 112515
	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.

District I
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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

CONDITIONS

Action 112515

CONDITIONS

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 112515
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Property code is 331709	10/19/2022
jagarcia	For future C-104s and C-105s, do not add cement circulated to surface volumes to total, only pumped volumes.	10/19/2022