

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Redwood Operating LLC P.O. Box 1370 Artesia, NM 88211-1370		² OGRID Number 330211
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 0 15-49486	⁵ Pool Name Red Lake; Glorieta-Yeso	⁶ Pool Code 51120
⁷ Property Code 329504	⁸ Property Name Leavitt 13	⁹ Well Number 5H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	14	18S	26E		635	South	330	East	Eddy, NM

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
P	13	18S	26E		319	South	3	East	Eddy, NM
¹² Lse Code Fee	¹³ Producing Method P Code	¹⁴ Gas Connection Date 9/29/2022	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 8/24/2022	²² Ready Date 9/27/2022	²³ TD 8147'	²⁴ PBTD 8107'	²⁵ Perforations 3096-8030'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4"	9 5/8"	1227'	655		
8 3/4"	7"	2939'	145		
8 3/4"	5 1/2"	8147'	1610		
	2 7/8"	2750'			

V. Well Test Data

³¹ Date New Oil 10/9/2022	³² Gas Delivery Date 9/29/2022	³³ Test Date 10/10/2022	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 67	³⁹ Water 4970	⁴⁰ Gas 109		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>Deana Weaver</i>			OIL CONSERVATION DIVISION		
Printed name: Deana Weaver			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Regulatory Technician II			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address: dweaver@mec.com			Approval Date: <i>2/10/2023</i>		
Date: 10/11/2022		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 30-015-49486	² Pool Code 51120	³ Pool Name Red Lake; Glorieta-Yeso
⁴ Property Code 329504	⁵ Property Name LEAVITT 13	⁶ Well Number 5H
⁷ OGRID No. 330211	⁸ Operator Name REDWOOD OPERATING, LLC	⁹ Elevation 3309.1

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
P	14	18 S	26 E		635	SOUTH	330	EAST	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
P	13	18 S	26 E		319	SOUTH	3	EAST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	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.

	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>Deana Weaver</i> 10/3/2022 Signature _____ Date _____ Deana Weaver Printed Name _____ dweaver@mec.com E-mail Address _____
	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. SEPTEMBER 30, 2022 Date of Survey _____ Signature and Seal of Professional Surveyor: Certificate Number: LS 12797

Intent ☐ As Drilled ☒

API # 30-015-49486		
Operator Name: REDWOOD OPERATING, LLC	Property Name: LEAVITT 13	Well Number 5H

Kick Off Point (KOP)

UL P	Section 14	Township 18S	Range 26E	Lot	Feet 641	From N/S SOUTH	Feet 342	From E/W EAST	County EDDY
Latitude 32.7423443					Longitude 104.3450076			NAD	

First Take Point (FTP)

UL M	Section 13	Township 18S	Range 26E	Lot	Feet 359	From N/S SOUTH	Feet 250	From E/W WEST	County EDDY
Latitude 32.7415687					Longitude 104.3430766			NAD 83	

Last Take Point (LTP)

UL P	Section 13	Township 18S	Range 26E	Lot	Feet 320	From N/S SOUTH	Feet 120	From E/W EAST	County EDDY
Latitude 32.7414310					Longitude 104.3270547			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 14-T18S-R26E

Leavitt 13 #5H

Wellbore #1

Survey: Survey #1

Standard Survey Report

01 September, 2022

Microsoft
Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Leavitt 13 #5H
Project:	Eddy County, NM	TVD Reference:	3309.1+18 @ 3327.1usft
Site:	Sec 14-T18S-R26E	MD Reference:	3309.1+18 @ 3327.1usft
Well:	Leavitt 13 #5H	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 14-T18S-R26E			
Site Position:		Northing:	633,791.18 usft	Latitude:	32° 44' 32.384 N
From:	Map	Easting:	537,760.10 usft	Longitude:	104° 20' 41.887 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.01 °

Well	Leavitt 13 #5H					
Well Position	+N/-S	0.0 usft	Northing:	633,791.18 usft	Latitude:	32° 44' 32.384 N
	+E/-W	0.0 usft	Easting:	537,760.10 usft	Longitude:	104° 20' 41.887 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,309.1 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	07/27/22	6.80	60.35	47,636.37783492

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)	Direction (°)	
	0.0	0.0	0.0	93.22	

Survey Program	Date	09/01/22			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
165.0	8,147.0	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	
165.0	0.50	259.80	165.0	-0.1	-0.7	-0.7	0.30	0.30	0.00	
166.0	0.50	259.80	166.0	-0.1	-0.7	-0.7	0.00	0.00	0.00	
1st MWD Survey										
224.0	0.50	258.30	224.0	-0.2	-1.2	-1.2	0.02	0.00	-2.59	
411.0	0.20	289.90	411.0	-0.3	-2.3	-2.3	0.18	-0.16	16.90	
569.0	0.50	102.80	569.0	-0.3	-1.9	-1.9	0.44	0.19	109.43	
696.0	0.10	94.10	696.0	-0.5	-1.3	-1.2	0.32	-0.31	-6.85	
759.0	0.20	299.50	759.0	-0.4	-1.3	-1.3	0.47	0.16	-245.40	
885.0	0.50	309.00	885.0	0.0	-1.9	-1.9	0.24	0.24	7.54	
1,012.0	0.60	312.80	1,012.0	0.8	-2.8	-2.9	0.08	0.08	2.99	

Microsoft Survey Report

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Well:	Leavitt 13 #5H	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)
1,138.0	0.50	315.30	1,138.0	1.7	-3.7	-3.8	0.08	-0.08	1.98
1,261.0	0.40	289.40	1,261.0	2.2	-4.5	-4.6	0.18	-0.08	-21.06
1,324.0	0.40	310.50	1,324.0	2.4	-4.9	-5.0	0.23	0.00	33.49
1,450.0	0.60	287.40	1,450.0	2.9	-5.8	-6.0	0.22	0.16	-18.33
1,577.0	1.00	295.70	1,577.0	3.6	-7.5	-7.6	0.33	0.31	6.54
1,639.0	1.00	290.10	1,638.9	4.0	-8.5	-8.7	0.16	0.00	-9.03
1,703.0	0.90	289.00	1,702.9	4.4	-9.5	-9.7	0.16	-0.16	-1.72
1,766.0	0.80	295.60	1,765.9	4.7	-10.3	-10.6	0.22	-0.16	10.48
1,829.0	1.00	296.10	1,828.9	5.1	-11.2	-11.5	0.32	0.32	0.79
1,893.0	0.70	305.40	1,892.9	5.6	-12.0	-12.3	0.51	-0.47	14.53
1,955.0	1.70	142.50	1,954.9	5.1	-11.8	-12.0	3.84	1.61	-262.74
2,019.0	4.40	131.10	2,018.8	2.7	-9.3	-9.5	4.30	4.22	-17.81
2,082.0	8.30	123.50	2,081.4	-1.4	-3.7	-3.7	6.32	6.19	-12.06
2,145.0	12.40	123.80	2,143.4	-7.6	5.7	6.1	6.51	6.51	0.48
2,194.0	15.60	122.60	2,190.9	-14.1	15.6	16.4	6.56	6.53	-2.45
2,257.0	20.00	123.80	2,250.9	-24.7	31.7	33.0	7.01	6.98	1.90
2,320.0	24.90	122.50	2,309.1	-37.8	51.9	53.9	7.82	7.78	-2.06
2,383.0	30.00	119.90	2,365.0	-52.8	76.7	79.6	8.31	8.10	-4.13
2,446.0	35.30	117.30	2,418.0	-69.0	106.6	110.3	8.70	8.41	-4.13
2,510.0	40.60	116.80	2,468.5	-86.9	141.6	146.3	8.30	8.28	-0.78
2,573.0	46.20	117.10	2,514.2	-106.5	180.2	185.9	8.89	8.89	0.48
2,636.0	51.50	117.60	2,555.7	-128.3	222.3	229.1	8.43	8.41	0.79
2,642.0	51.60	117.50	2,559.4	-130.5	226.5	233.4	2.12	1.67	-1.67
2,652.0	51.80	117.50	2,565.6	-134.1	233.4	240.6	2.00	2.00	0.00
2,662.0	52.00	117.50	2,571.8	-137.7	240.4	247.8	2.00	2.00	0.00
2,672.0	52.10	117.40	2,577.9	-141.4	247.4	254.9	1.27	1.00	-1.00
2,682.0	52.20	117.40	2,584.0	-145.0	254.4	262.2	1.00	1.00	0.00
2,692.0	52.40	117.30	2,590.2	-148.6	261.4	269.4	2.15	2.00	-1.00
2,702.0	52.50	117.50	2,596.2	-152.3	268.5	276.6	1.87	1.00	2.00
2,712.0	52.70	117.40	2,602.3	-156.0	275.5	283.8	2.15	2.00	-1.00
2,722.0	52.80	117.30	2,608.4	-159.6	282.6	291.1	1.28	1.00	-1.00
2,732.0	53.00	117.30	2,614.4	-163.3	289.7	298.4	2.00	2.00	0.00
2,742.0	53.10	117.30	2,620.4	-166.9	296.8	305.7	1.00	1.00	0.00
2,752.0	53.20	117.20	2,626.4	-170.6	303.9	313.0	1.28	1.00	-1.00
2,762.0	53.30	117.10	2,632.4	-174.3	311.0	320.3	1.28	1.00	-1.00
2,772.0	53.40	117.10	2,638.4	-177.9	318.2	327.7	1.00	1.00	0.00
2,782.0	53.50	116.90	2,644.3	-181.6	325.3	335.0	1.89	1.00	-2.00
2,792.0	53.50	116.90	2,650.3	-185.2	332.5	342.4	0.00	0.00	0.00
2,802.0	53.60	116.50	2,656.2	-188.8	339.7	349.8	3.37	1.00	-4.00
2,812.0	53.70	116.50	2,662.1	-192.4	346.9	357.2	1.00	1.00	0.00
2,822.0	53.80	116.40	2,668.1	-196.0	354.1	364.6	1.28	1.00	-1.00
2,832.0	53.80	116.70	2,674.0	-199.6	361.3	372.0	2.42	0.00	3.00
2,842.0	53.90	116.70	2,679.9	-203.2	368.5	379.4	1.00	1.00	0.00

Microsoft

Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Leavitt 13 #5H
Project:	Eddy County, NM	TVD Reference:	3309.1+18 @ 3327.1usft
Site:	Sec 14-T18S-R26E	MD Reference:	3309.1+18 @ 3327.1usft
Well:	Leavitt 13 #5H	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)
2,852.0	53.90	116.60	2,685.8	-206.8	375.8	386.8	0.81	0.00	-1.00
2,862.0	54.10	116.70	2,691.6	-210.5	383.0	394.2	2.16	2.00	1.00
2,872.0	54.20	116.60	2,697.5	-214.1	390.2	401.7	1.29	1.00	-1.00
2,882.0	54.70	116.20	2,703.3	-217.7	397.5	409.1	5.97	5.00	-4.00
2,892.0	55.20	115.90	2,709.0	-221.3	404.9	416.7	5.57	5.00	-3.00
2,954.0	61.50	109.80	2,741.6	-241.7	453.5	466.4	13.16	10.16	-9.84
3,017.0	69.60	104.90	2,767.6	-258.7	508.2	521.9	14.67	12.86	-7.78
3,075.0	78.00	102.60	2,783.8	-271.9	562.2	576.6	14.97	14.48	-3.97
3,107.0	80.80	101.00	2,789.7	-278.3	593.0	607.7	10.04	8.75	-5.00
3,139.0	83.50	98.70	2,794.1	-283.8	624.3	639.2	11.04	8.44	-7.19
3,174.0	85.50	97.30	2,797.4	-288.6	658.8	673.9	6.96	5.71	-4.00
3,202.0	86.20	97.20	2,799.5	-292.1	686.5	701.8	2.53	2.50	-0.36
3,265.0	86.30	96.70	2,803.6	-299.7	748.9	764.5	0.81	0.16	-0.79
3,329.0	86.50	94.40	2,807.6	-305.9	812.4	828.3	3.60	0.31	-3.59
3,392.0	85.80	92.20	2,811.8	-309.5	875.2	891.2	3.66	-1.11	-3.49
3,518.0	87.40	90.60	2,819.3	-312.6	1,000.9	1,016.9	1.79	1.27	-1.27
3,645.0	88.10	90.70	2,824.3	-314.1	1,127.8	1,143.7	0.56	0.55	0.08
3,708.0	88.00	90.70	2,826.4	-314.8	1,190.8	1,206.6	0.16	-0.16	0.00
3,771.0	88.60	90.90	2,828.3	-315.7	1,253.7	1,269.5	1.00	0.95	0.32
3,898.0	87.00	90.70	2,833.2	-317.5	1,380.6	1,396.3	1.27	-1.26	-0.16
3,961.0	87.20	90.70	2,836.4	-318.2	1,443.5	1,459.1	0.32	0.32	0.00
4,024.0	87.00	90.70	2,839.5	-319.0	1,506.5	1,522.0	0.32	-0.32	0.00
4,150.0	88.00	89.80	2,845.0	-319.6	1,632.3	1,647.7	1.07	0.79	-0.71
4,213.0	88.00	89.40	2,847.2	-319.1	1,695.3	1,710.5	0.63	0.00	-0.63
4,276.0	87.70	89.00	2,849.6	-318.2	1,758.2	1,773.3	0.79	-0.48	-0.63
4,403.0	87.00	89.40	2,855.5	-316.5	1,885.1	1,899.9	0.63	-0.55	0.31
4,466.0	87.10	89.30	2,858.7	-315.8	1,948.0	1,962.7	0.22	0.16	-0.16
4,529.0	86.90	89.30	2,862.0	-315.0	2,010.9	2,025.4	0.32	-0.32	0.00
4,656.0	88.10	89.70	2,867.6	-313.9	2,137.8	2,152.0	1.00	0.94	0.31
4,719.0	88.60	89.60	2,869.4	-313.5	2,200.8	2,214.9	0.81	0.79	-0.16
4,782.0	88.90	89.80	2,870.7	-313.2	2,263.7	2,277.8	0.57	0.48	0.32
4,846.0	88.50	89.50	2,872.2	-312.8	2,327.7	2,341.6	0.78	-0.63	-0.47
4,909.0	88.60	89.30	2,873.8	-312.1	2,390.7	2,404.5	0.35	0.16	-0.32
4,972.0	88.30	89.30	2,875.5	-311.3	2,453.7	2,467.3	0.48	-0.48	0.00
5,035.0	88.40	88.90	2,877.3	-310.4	2,516.6	2,530.1	0.65	0.16	-0.63
5,098.0	88.40	89.30	2,879.1	-309.4	2,579.6	2,592.9	0.63	0.00	0.63
5,161.0	88.50	89.40	2,880.8	-308.7	2,642.6	2,655.7	0.22	0.16	0.16
5,224.0	88.70	89.10	2,882.3	-307.8	2,705.5	2,718.6	0.57	0.32	-0.48
5,287.0	88.50	89.10	2,883.9	-306.8	2,768.5	2,781.4	0.32	-0.32	0.00
5,351.0	87.50	89.30	2,886.1	-305.9	2,832.5	2,845.2	1.59	-1.56	0.31
5,414.0	87.30	89.30	2,888.9	-305.2	2,895.4	2,908.0	0.32	-0.32	0.00
5,477.0	86.40	90.40	2,892.4	-305.0	2,958.3	2,970.8	2.25	-1.43	1.75
5,540.0	86.50	90.50	2,896.3	-305.5	3,021.2	3,033.6	0.22	0.16	0.16

Microsoft
Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Leavitt 13 #5H
Project:	Eddy County, NM	TVD Reference:	3309.1+18 @ 3327.1usft
Site:	Sec 14-T18S-R26E	MD Reference:	3309.1+18 @ 3327.1usft
Well:	Leavitt 13 #5H	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)	
5,667.0	86.90	91.60	2,903.6	-307.8	3,148.0	3,160.3	0.92	0.31	0.87	
5,793.0	88.00	92.70	2,909.2	-312.6	3,273.7	3,286.1	1.23	0.87	0.87	
5,920.0	88.20	92.30	2,913.4	-318.1	3,400.5	3,413.0	0.35	0.16	-0.31	
6,047.0	88.80	92.10	2,916.8	-323.0	3,527.4	3,540.0	0.50	0.47	-0.16	
6,174.0	88.40	91.00	2,919.9	-326.4	3,654.3	3,666.9	0.92	-0.31	-0.87	
6,237.0	88.40	90.80	2,921.6	-327.4	3,717.3	3,729.8	0.32	0.00	-0.32	
6,300.0	88.60	90.70	2,923.3	-328.2	3,780.3	3,792.7	0.35	0.32	-0.16	
6,364.0	88.80	90.70	2,924.7	-329.0	3,844.2	3,856.7	0.31	0.31	0.00	
6,427.0	89.10	90.00	2,925.9	-329.4	3,907.2	3,919.6	1.21	0.48	-1.11	
6,490.0	89.30	88.80	2,926.8	-328.7	3,970.2	3,982.4	1.93	0.32	-1.90	
6,553.0	89.30	88.90	2,927.5	-327.5	4,033.2	4,045.2	0.16	0.00	0.16	
6,616.0	88.90	89.20	2,928.5	-326.4	4,096.2	4,108.1	0.79	-0.63	0.48	
6,680.0	88.70	89.70	2,929.9	-325.8	4,160.2	4,171.9	0.84	-0.31	0.78	
6,743.0	88.60	89.60	2,931.3	-325.4	4,223.1	4,234.8	0.22	-0.16	-0.16	
6,806.0	88.40	89.70	2,933.0	-325.0	4,286.1	4,297.6	0.35	-0.32	0.16	
6,870.0	88.30	89.80	2,934.8	-324.7	4,350.1	4,361.5	0.22	-0.16	0.16	
6,933.0	88.10	90.30	2,936.8	-324.8	4,413.1	4,424.3	0.85	-0.32	0.79	
6,996.0	87.90	90.70	2,939.0	-325.3	4,476.0	4,487.2	0.71	-0.32	0.63	
7,059.0	87.40	90.70	2,941.6	-326.1	4,539.0	4,550.1	0.79	-0.79	0.00	
7,122.0	87.40	90.70	2,944.4	-326.9	4,601.9	4,613.0	0.00	0.00	0.00	
7,186.0	87.30	91.00	2,947.4	-327.8	4,665.8	4,676.9	0.49	-0.16	0.47	
7,312.0	86.90	89.90	2,953.8	-328.8	4,791.7	4,802.6	0.93	-0.32	-0.87	
7,375.0	87.30	89.30	2,957.0	-328.4	4,854.6	4,865.4	1.14	0.63	-0.95	
7,502.0	88.10	89.10	2,962.1	-326.6	4,981.5	4,991.9	0.65	0.63	-0.16	
7,565.0	88.10	89.30	2,964.2	-325.7	5,044.4	5,054.7	0.32	0.00	0.32	
7,629.0	88.80	90.00	2,965.9	-325.3	5,108.4	5,118.6	1.55	1.09	1.09	
7,692.0	88.70	90.10	2,967.3	-325.4	5,171.4	5,181.5	0.22	-0.16	0.16	
7,755.0	88.50	90.20	2,968.8	-325.6	5,234.4	5,244.4	0.35	-0.32	0.16	
7,882.0	88.40	90.10	2,972.2	-325.9	5,361.3	5,371.1	0.11	-0.08	-0.08	
7,945.0	88.40	90.40	2,974.0	-326.2	5,424.3	5,434.0	0.48	0.00	0.48	
8,008.0	88.00	90.60	2,976.0	-326.7	5,487.2	5,496.9	0.71	-0.63	0.32	
8,072.0	87.70	90.40	2,978.4	-327.3	5,551.2	5,560.8	0.56	-0.47	-0.31	
Last MWD Survey 8072 MD/2978.4 TVD -327.3 S 5551.2 E N: 633463.9 E: 543311.3										
8,147.0	87.70	90.40	2,981.4	-327.8	5,626.1	5,635.7	0.00	0.00	0.00	
PTB 8147 MD/2981.4 TVD -327.8 S 5626.1 E N: 633463.3 E: 543386.2										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
166.0	166.0	-0.1	-0.7	1st MWD Survey	
8,072.0	2,978.4	-327.3	5,551.2	Last MWD Survey 8072 MD/2978.4 TVD -327.3 S 5551.2 E N: 633463.9 E: 543	
8,147.0	2,981.4	-327.8	5,626.1	PTB 8147 MD/2981.4 TVD -327.8 S 5626.1 E N: 633463.3 E: 543386.2	

Microsoft
Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Leavitt 13 #5H
Project:	Eddy County, NM	TVD Reference:	3309.1+18 @ 3327.1usft
Site:	Sec 14-T18S-R26E	MD Reference:	3309.1+18 @ 3327.1usft
Well:	Leavitt 13 #5H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Checked By: _____ Approved By: _____ Date: _____

Intent ☐ As Drilled ☒

API # 30-015-49486		
Operator Name: REDWOOD OPERATING, LLC	Property Name: LEAVITT 13	Well Number 5H

Kick Off Point (KOP)

UL P	Section 14	Township 18S	Range 26E	Lot	Feet 641	From N/S SOUTH	Feet 342	From E/W EAST	County EDDY
Latitude 32.7423443					Longitude 104.3450076			NAD	

First Take Point (FTP)

UL M	Section 13	Township 18S	Range 26E	Lot	Feet 359	From N/S SOUTH	Feet 250	From E/W WEST	County EDDY
Latitude 32.7415687					Longitude 104.3430766			NAD 83	

Last Take Point (LTP)

UL P	Section 13	Township 18S	Range 26E	Lot	Feet 320	From N/S SOUTH	Feet 120	From E/W EAST	County EDDY
Latitude 32.7414310					Longitude 104.3270547			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

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-49486
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Redwood Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 1370 Artesia, NM 88211-1370		7. Lease Name or Unit Agreement Name Leavitt 13
4. Well Location Unit Letter <u>P</u> : <u>635</u> feet from the <u>South</u> line and <u>330</u> feet from the <u>East</u> line Section <u>14</u> Township <u>18S</u> Range <u>26E</u> NMPM County <u>Eddy</u>		8. Well Number 5H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3309' GR		9. OGRID Number 330211
		10. Pool name or Wildcat Red Lake; Glorieta-Yeso

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
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.

9/8-9/27/2022 Perforated 3096-8030' w/ 1050 holes, Frac w/ 11,956bbls 15% Acid, 268,981bbls SW, 4,512,420# 100 Mesh, 3,750,320# 40/70 White Sand, 750,400# 40/70 Resin. RIH w/ 84jts 2 7/8" J-55 tubing @ 2750', Summit 562 240 HP pump @ 2822'.

Spud Date:

8/24/2022

Rig Release Date:

9/1/2022

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

SIGNATURE Deana Weaver TITLE Regulatory Technician II DATE 10/11/2022

Type or print name Deana Weaver E-mail address: dweaver@mec.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										
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 Leavitt 13		
								6. Well Number: 5H		
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				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	P	14	18S	26E		635	South	330	East	Eddy
BH:	P	13	18S	26E		319	South	3	East	Eddy
13. Date Spudded 8/24/2022	14. Date T.D. Reached 8/24/2022 9/1/2022	15. Date Rig Released 9/1/2022			16. Date Completed (Ready to Produce) 9/27/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3309'		
18. Total Measured Depth of Well 8147'			19. Plug Back Measured Depth 8107'			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Submitted		
22. Producing Interval(s), of this completion - Top, Bottom, Name 3096-8030' Red Lake; Glorieta-Yeso										
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		1227'		12 1/4"		655		
7"		26		2939'		8 3/4"		145		
5 1/2"		17		8147'		8 3/4"		1610		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
						2 7/8"	2750'			
26. Perforation record (interval, size, and number) 3096-8030', .41, 1050						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						3096-8030'		11,956bbls 15% Acid, 268,981bbls SW, 4,512,420# 100 Mesh,		
								3,750,320# 40/70 Mesh, 750,400# 40/70 Resin		
28. PRODUCTION										
Date First Production 9/29/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) Summit 562 240 HP @ 2822'				Well Status (Prod. or Shut-in) Producing				
Date of Test 10/10/2022	Hours Tested 24hrs	Choke Size	Prod'n For Test Period	Oil - Bbl 67	Gas - MCF 109	Water - Bbl. 4970	Gas - Oil Ratio 1626			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 67	Gas - MCF 109	Water - Bbl. 4970	Oil Gravity - API - (Corr.) 39.3				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold								30. Test Witnessed By Jerry Sherrell		
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: 9/1/2022		
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____ Longitude _____ NAD83										
I 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 <i>Deana Weaver</i>			Printed Name Deana Weaver		Title Regulatory Technician II		Date 10/11/22			
E-mail Address dweaver@mec.com										

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	T. Devonian	T. Cliff House	T. Leadville
T. Queen 329'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 803'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 966'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 2569'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 2645'	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry 3192'	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 183519

ACKNOWLEDGMENTS

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 183519
	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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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 183519

CONDITIONS

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 183519
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	2/10/2023