

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104

Revised August 1, 2011

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. Box 1370 Artesia, NM 88211-1370		² OGRID Number 330211
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 0 15-48886	⁵ Pool Name Red Lake; Glorieta - Yeso	⁶ Pool Code 51120
⁷ Property Code 329360	⁸ Property Name Brainard 11	⁹ Well Number 3H

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
D	12	18S	26S		485	North	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
D	11	18S	26S		689	North	4	West	Eddy
¹² Lse Code Fee	¹³ Producing Method Code P	¹⁴ Gas Connection Date 12/2/2022	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 400 Penbrook Odessa, TX 79762	G

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTB	²⁵ Perforations	²⁶ DHC, MC
8/11/2022	12/2/2022	8640' - TVD 3139'	8606' - TVD 3139'	8540' - 3606' TVD 3140' - 3151'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4"	9 5/8"	1232'	555 sx		
8 3/4"	7" & 5 1/2"	8640'	1735 sx		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
1/9/2023	12/8/2022	1/9/2023	24 hrs		
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
25		4750	5		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 Approved by: <i>Nedra Murphy</i>		
Printed name: Delilah Flores			Title: Petroleum Specialist		
Title: Regulatory Technician			Approval Date: 5/3/2023		
E-mail Address: delilah@mec.com					
Date: 1/11/2023	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 30-015-48886		² Pool Code 51120	³ Pool Name Red Lake; Glorieta - Yeso
⁴ Property Code 329360	⁵ Property Name BRAINARD 11		⁶ Well Number 3H
⁷ OGRID No. 330211	⁸ Operator Name REDWOOD OPERATING, LLC		⁹ Elevation 3282.7

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	18 S	26 E		485	NORTH	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
D	11	18 S	26 E		689	NORTH	4	WEST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
160			

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.

NW CORNER SEC. 11
LAT. = 32.7697958°N
LONG. = 104.3610733°W

NMSP EAST (FT)
N = 643784.86
E = 532811.07

SECTION CORNER
LAT. = 32.7697185°N
LONG. = 104.3438136°W

N/4 CORNER SEC. 11
N = 643755.79
E = 538116.16

NE CORNER SEC. 12
LAT. = 32.7698079°N
LONG. = 104.3264803°W

NMSP EAST (FT)
N = 643788.22
E = 543443.92

S89°41'10"E 2653.24 FT

S89°41'10"E 2653.24 FT

N89°39'04"E 2664.58 FT

N00°11'13"E 2657.50 FT

S00°33'18"W 2649.94 FT

S00°02'37"E 2640.69 FT

N89°39'50"W 2636.00 FT

N89°39'50"W 2636.00 FT

S89°27'37"W 2694.36 FT

N00°10'38"E 2640.31 FT

S00°33'18"W 2649.94 FT

S00°02'37"E 2640.69 FT

SW CORNER SEC. 11
LAT. = 32.7552375°N
LONG. = 104.3611235°W

NMSP EAST (FT)
N = 638488.37
E = 532794.24

S/4 CORNER SEC. 11
N = 638457.46
E = 538064.84

SE CORNER SEC. 12
LAT. = 32.7552947°N
LONG. = 104.3264684°W

NMSP EAST (FT)
N = 638508.14
E = 543447.93

S89°41'10"E 2653.24 FT

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S00°02'37"E 2640.69 FT

N89°39'50"W 26

Intent ☐ As Drilled ☒

API #		
Operator Name: REDWOOD OPERATING, LLC	Property Name: BRAINARD 11	Well Number 3H

Kick Off Point (KOP)

UL D	Section 12	Township 18S	Range 26E	Lot	Feet 484	From N/S NORTH	Feet 587	From E/W WEST	County EDDY
Latitude 32.7683995					Longitude 104.3419177				NAD 83

First Take Point (FTP)

UL A	Section 11	Township 18S	Range 26E	Lot	Feet 620	From N/S NORTH	Feet 266	From E/W EAST	County EDDY
Latitude 32.7680201					Longitude 104.3446975				NAD 83

Last Take Point (LTP)

UL D	Section 11	Township 18S	Range 26E	Lot	Feet 689	From N/S NORTH	Feet 104	From E/W WEST	County EDDY
Latitude 32.7679009					Longitude 104.3607427				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 12-T18S-R26E

Brainard 11 3H

Wellbore #1

Survey: Survey #1

Standard Survey Report

22 August, 2022

Microsoft
Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Brainard 11 3H
Project:	Eddy County, NM	TVD Reference:	3282.7+22 @ 3304.7usft
Site:	Sec 12-T18S-R26E	MD Reference:	3282.7+22 @ 3304.7usft
Well:	Brainard 11 3H	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 12-T18S-R26E			
Site Position:		Northing:	643,294.40 usft	Latitude:	32° 46' 6.422 N
From:	Map	Easting:	538,686.57 usft	Longitude:	104° 20' 31.048 W
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.00 °

Well	Brainard 11 3H					
Well Position	+N/-S	0.0 usft	Northing:	643,274.33 usft	Latitude:	32° 46' 6.223 N
	+E/-W	0.0 usft	Easting:	538,686.43 usft	Longitude:	104° 20' 31.050 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,282.7 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	06/08/22	6.82	60.37	47,665.85746673

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	271.76	

Survey Program	Date	08/22/22			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
168.0	8,640.0	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
168.0	0.40	333.20	168.0	0.5	-0.3	0.3	0.24	0.24	0.00
1st MWD Survey									
256.0	0.30	38.10	256.0	1.0	-0.3	0.3	0.44	-0.11	73.75
347.0	0.20	56.30	347.0	1.3	0.0	0.0	0.14	-0.11	20.00
442.0	0.10	165.40	442.0	1.3	0.2	-0.1	0.26	-0.11	114.84
568.0	2.30	182.10	568.0	-1.4	0.1	-0.2	1.75	1.75	13.25
695.0	1.90	181.50	694.9	-6.0	0.0	-0.1	0.32	-0.31	-0.47
821.0	1.50	175.80	820.8	-9.8	0.0	-0.3	0.34	-0.32	-4.52
947.0	1.00	103.10	946.8	-11.6	1.2	-1.6	1.22	-0.40	-57.70
1,073.0	1.10	97.40	1,072.8	-12.1	3.5	-3.9	0.11	0.08	-4.52

Microsoft Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Brainard 11 3H
Project:	Eddy County, NM	TVD Reference:	3282.7+22 @ 3304.7usft
Site:	Sec 12-T18S-R26E	MD Reference:	3282.7+22 @ 3304.7usft
Well:	Brainard 11 3H	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)
1,163.0	1.10	94.20	1,162.8	-12.2	5.2	-5.6	0.07	0.00	-3.56
1,254.0	1.10	99.60	1,253.7	-12.4	6.9	-7.3	0.11	0.00	5.93
1,381.0	1.10	97.50	1,380.7	-12.8	9.4	-9.7	0.03	0.00	-1.65
1,508.0	1.50	29.10	1,507.7	-11.5	11.4	-11.7	1.18	0.31	-53.86
1,571.0	1.80	25.10	1,570.7	-9.9	12.2	-12.5	0.51	0.48	-6.35
1,634.0	1.80	35.60	1,633.6	-8.2	13.2	-13.4	0.52	0.00	16.67
1,761.0	1.80	32.60	1,760.6	-4.9	15.4	-15.6	0.07	0.00	-2.36
1,825.0	0.40	332.50	1,824.6	-3.8	15.9	-16.0	2.56	-2.19	-93.91
1,951.0	0.70	305.10	1,950.6	-3.0	15.0	-15.1	0.31	0.24	-21.75
2,078.0	0.70	296.60	2,077.5	-2.2	13.7	-13.8	0.08	0.00	-6.69
2,204.0	0.60	302.10	2,203.5	-1.5	12.5	-12.5	0.09	-0.08	4.37
2,268.0	1.10	291.40	2,267.5	-1.1	11.6	-11.6	0.82	0.78	-16.72
2,331.0	5.50	287.50	2,330.4	0.0	8.2	-8.1	6.99	6.98	-6.19
2,394.0	10.30	285.10	2,392.8	2.4	-0.2	0.2	7.64	7.62	-3.81
2,458.0	16.30	282.60	2,455.0	5.8	-14.5	14.6	9.42	9.38	-3.91
2,521.0	21.90	280.60	2,514.6	9.9	-34.7	35.0	8.95	8.89	-3.17
2,584.0	26.20	279.50	2,572.1	14.4	-59.9	60.4	6.86	6.83	-1.75
2,647.0	29.50	279.80	2,627.8	19.3	-89.0	89.5	5.24	5.24	0.48
2,710.0	33.00	280.80	2,681.6	25.2	-121.1	121.8	5.62	5.56	1.59
2,774.0	36.90	281.00	2,734.1	32.1	-157.1	158.0	6.10	6.09	0.31
2,837.0	40.50	281.00	2,783.2	39.6	-195.8	196.9	5.71	5.71	0.00
2,900.0	45.30	281.00	2,829.4	47.8	-237.8	239.2	7.62	7.62	0.00
2,963.0	49.90	281.00	2,871.8	56.7	-283.5	285.1	7.30	7.30	0.00
2,996.0	51.70	281.40	2,892.7	61.7	-308.6	310.3	5.53	5.45	1.21
3,006.0	51.90	281.40	2,898.9	63.2	-316.3	318.1	2.00	2.00	0.00
3,016.0	52.10	281.40	2,905.0	64.8	-324.0	325.8	2.00	2.00	0.00
3,026.0	52.40	281.20	2,911.2	66.3	-331.8	333.6	3.39	3.00	-2.00
3,036.0	52.60	281.30	2,917.2	67.9	-339.5	341.5	2.15	2.00	1.00
3,046.0	52.80	281.20	2,923.3	69.4	-347.3	349.3	2.15	2.00	-1.00
3,056.0	53.00	281.20	2,929.3	71.0	-355.2	357.2	2.00	2.00	0.00
3,066.0	53.10	281.00	2,935.3	72.5	-363.0	365.1	1.89	1.00	-2.00
3,076.0	53.30	281.00	2,941.3	74.0	-370.9	373.0	2.00	2.00	0.00
3,086.0	53.30	281.00	2,947.3	75.6	-378.7	380.9	0.00	0.00	0.00
3,096.0	53.60	281.00	2,953.3	77.1	-386.6	388.8	3.00	3.00	0.00
3,106.0	53.80	281.00	2,959.2	78.6	-394.5	396.8	2.00	2.00	0.00
3,116.0	53.90	281.00	2,965.1	80.2	-402.5	404.7	1.00	1.00	0.00
3,126.0	54.10	280.90	2,971.0	81.7	-410.4	412.7	2.16	2.00	-1.00
3,136.0	54.20	280.90	2,976.8	83.2	-418.4	420.7	1.00	1.00	0.00
3,146.0	54.20	280.80	2,982.7	84.8	-426.3	428.7	0.81	0.00	-1.00
3,156.0	54.50	280.70	2,988.5	86.3	-434.3	436.8	3.11	3.00	-1.00
3,166.0	54.60	280.70	2,994.3	87.8	-442.3	444.8	1.00	1.00	0.00
3,176.0	54.80	280.60	3,000.1	89.3	-450.3	452.9	2.16	2.00	-1.00
3,186.0	54.90	280.50	3,005.8	90.8	-458.4	461.0	1.29	1.00	-1.00

Microsoft

Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Brainard 11 3H
Project:	Eddy County, NM	TVD Reference:	3282.7+22 @ 3304.7usft
Site:	Sec 12-T18S-R26E	MD Reference:	3282.7+22 @ 3304.7usft
Well:	Brainard 11 3H	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)	
3,196.0	55.10	280.40	3,011.6	92.3	-466.4	469.0	2.16	2.00	-1.00	
3,206.0	55.30	280.40	3,017.3	93.8	-474.5	477.2	2.00	2.00	0.00	
3,216.0	55.40	280.30	3,023.0	95.3	-482.6	485.3	1.29	1.00	-1.00	
3,226.0	55.60	280.20	3,028.6	96.7	-490.7	493.5	2.16	2.00	-1.00	
3,236.0	55.70	280.20	3,034.3	98.2	-498.8	501.6	1.00	1.00	0.00	
3,246.0	56.00	280.20	3,039.9	99.6	-507.0	509.8	3.00	3.00	0.00	
3,256.0	56.70	280.20	3,045.4	101.1	-515.2	518.0	7.00	7.00	0.00	
3,279.0	59.00	279.50	3,057.7	104.5	-534.4	537.3	10.33	10.00	-3.04	
3,342.0	64.80	279.20	3,087.3	113.5	-589.2	592.4	9.22	9.21	-0.48	
3,405.0	70.30	278.10	3,111.4	122.2	-646.7	650.2	8.88	8.73	-1.75	
3,469.0	76.00	275.80	3,129.9	129.6	-707.5	711.1	9.55	8.91	-3.59	
3,532.0	79.70	273.30	3,143.2	134.5	-768.9	772.6	7.04	5.87	-3.97	
3,595.0	84.90	270.30	3,151.6	136.4	-831.2	835.0	9.51	8.25	-4.76	
3,659.0	88.20	269.90	3,155.5	136.5	-895.1	898.9	5.19	5.16	-0.63	
3,722.0	89.30	269.40	3,156.8	136.2	-958.1	961.8	1.92	1.75	-0.79	
3,785.0	90.50	269.00	3,157.0	135.3	-1,021.1	1,024.8	2.01	1.90	-0.63	
3,899.0	90.80	270.10	3,155.7	134.4	-1,135.1	1,138.7	1.00	0.26	0.96	
4,026.0	90.20	271.40	3,154.6	136.0	-1,262.1	1,265.6	1.13	-0.47	1.02	
4,089.0	90.80	271.30	3,154.0	137.5	-1,325.0	1,328.6	0.97	0.95	-0.16	
4,216.0	90.10	271.50	3,153.0	140.6	-1,452.0	1,455.6	0.57	-0.55	0.16	
4,279.0	90.70	271.50	3,152.6	142.3	-1,515.0	1,518.6	0.95	0.95	0.00	
4,405.0	89.90	272.20	3,151.9	146.3	-1,640.9	1,644.6	0.84	-0.63	0.56	
4,532.0	89.10	271.40	3,153.0	150.3	-1,767.8	1,771.6	0.89	-0.63	-0.63	
4,595.0	89.50	270.80	3,153.8	151.5	-1,830.8	1,834.6	1.14	0.63	-0.95	
4,658.0	90.10	270.60	3,154.0	152.3	-1,893.8	1,897.6	1.00	0.95	-0.32	
4,721.0	90.70	270.10	3,153.6	152.7	-1,956.8	1,960.6	1.24	0.95	-0.79	
4,848.0	89.30	270.70	3,153.6	153.6	-2,083.8	2,087.5	1.20	-1.10	0.47	
4,911.0	89.70	270.80	3,154.1	154.4	-2,146.8	2,150.5	0.65	0.63	0.16	
4,975.0	91.00	270.70	3,153.7	155.2	-2,210.8	2,214.5	2.04	2.03	-0.16	
5,101.0	90.10	271.30	3,152.5	157.4	-2,336.8	2,340.5	0.86	-0.71	0.48	
5,165.0	90.60	271.00	3,152.1	158.7	-2,400.7	2,404.5	0.91	0.78	-0.47	
5,228.0	89.40	270.50	3,152.1	159.6	-2,463.7	2,467.5	2.06	-1.90	-0.79	
5,291.0	89.70	270.40	3,152.6	160.1	-2,526.7	2,530.5	0.50	0.48	-0.16	
5,354.0	90.60	270.30	3,152.5	160.4	-2,589.7	2,593.4	1.44	1.43	-0.16	
5,481.0	91.20	269.80	3,150.5	160.5	-2,716.7	2,720.4	0.61	0.47	-0.39	
5,607.0	90.40	270.50	3,148.7	160.9	-2,842.7	2,846.3	0.84	-0.63	0.56	
5,733.0	90.00	271.10	3,148.3	162.6	-2,968.7	2,972.3	0.57	-0.32	0.48	
5,859.0	90.00	270.10	3,148.3	164.0	-3,094.7	3,098.3	0.79	0.00	-0.79	
5,923.0	90.70	270.00	3,147.9	164.0	-3,158.7	3,162.2	1.10	1.09	-0.16	
6,049.0	89.80	269.80	3,147.3	163.8	-3,284.7	3,288.2	0.73	-0.71	-0.16	
6,112.0	90.40	269.90	3,147.2	163.6	-3,347.7	3,351.1	0.97	0.95	0.16	
6,239.0	89.20	270.40	3,147.7	164.0	-3,474.7	3,478.1	1.02	-0.94	0.39	
6,302.0	89.80	270.50	3,148.2	164.5	-3,537.7	3,541.0	0.97	0.95	0.16	

Microsoft
Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Brainard 11 3H
Project:	Eddy County, NM	TVD Reference:	3282.7+22 @ 3304.7usft
Site:	Sec 12-T18S-R26E	MD Reference:	3282.7+22 @ 3304.7usft
Well:	Brainard 11 3H	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)	
6,365.0	90.50	270.20	3,148.0	164.8	-3,600.7	3,604.0	1.21	1.11	-0.48	
6,492.0	89.10	269.70	3,148.5	164.7	-3,727.7	3,731.0	1.17	-1.10	-0.39	
6,555.0	89.60	269.60	3,149.2	164.3	-3,790.7	3,793.9	0.81	0.79	-0.16	
6,617.0	90.50	269.90	3,149.1	164.1	-3,852.7	3,855.9	1.53	1.45	0.48	
6,681.0	91.10	269.90	3,148.2	164.0	-3,916.6	3,919.8	0.94	0.94	0.00	
6,807.0	90.20	271.10	3,146.8	165.1	-4,042.6	4,045.8	1.19	-0.71	0.95	
6,870.0	90.70	271.50	3,146.3	166.5	-4,105.6	4,108.8	1.02	0.79	0.63	
6,997.0	90.20	271.00	3,145.3	169.3	-4,232.6	4,235.8	0.56	-0.39	-0.39	
7,060.0	90.50	271.40	3,144.9	170.6	-4,295.6	4,298.8	0.79	0.48	0.63	
7,186.0	90.60	271.00	3,143.7	173.2	-4,421.5	4,424.8	0.33	0.08	-0.32	
7,312.0	89.80	269.80	3,143.3	174.1	-4,547.5	4,550.7	1.14	-0.63	-0.95	
7,376.0	90.40	269.80	3,143.2	173.9	-4,611.5	4,614.7	0.94	0.94	0.00	
7,439.0	91.30	270.10	3,142.2	173.8	-4,674.5	4,677.6	1.51	1.43	0.48	
7,565.0	90.40	270.60	3,140.4	174.6	-4,800.5	4,803.6	0.82	-0.71	0.40	
7,691.0	89.10	270.60	3,140.9	175.9	-4,926.5	4,929.6	1.03	-1.03	0.00	
7,754.0	89.60	270.70	3,141.6	176.6	-4,989.5	4,992.5	0.81	0.79	0.16	
7,817.0	90.10	270.80	3,141.8	177.4	-5,052.5	5,055.5	0.81	0.79	0.16	
7,880.0	90.60	270.80	3,141.4	178.3	-5,115.5	5,118.5	0.79	0.79	0.00	
7,943.0	90.60	270.80	3,140.8	179.2	-5,178.5	5,181.5	0.00	0.00	0.00	
8,007.0	91.10	271.10	3,139.8	180.3	-5,242.4	5,245.5	0.91	0.78	0.47	
8,134.0	90.20	270.50	3,138.4	182.0	-5,369.4	5,372.5	0.85	-0.71	-0.47	
8,260.0	88.70	269.30	3,139.6	181.8	-5,495.4	5,498.4	1.52	-1.19	-0.95	
8,323.0	89.10	269.00	3,140.8	180.9	-5,558.4	5,561.3	0.79	0.63	-0.48	
8,387.0	90.10	269.30	3,141.2	179.9	-5,622.4	5,625.2	1.63	1.56	0.47	
8,450.0	91.30	269.70	3,140.5	179.4	-5,685.4	5,688.2	2.01	1.90	0.63	
8,568.0	89.90	269.70	3,139.2	178.8	-5,803.4	5,806.1	1.19	-1.19	0.00	
Last MWD Survey 8568MD/3139.2 TVD 178.8N -5803.4 W N: 643453.1 E: 532883.0										
8,640.0	89.90	269.70	3,139.4	178.4	-5,875.4	5,878.1	0.00	0.00	0.00	
PTB 8640 MD/3139.4 TVD 178.4 N -5875.4 W N: 643452.7 E: 532811.0										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
168.0	168.0	0.5	-0.3	1st MWD Survey	
8,568.0	3,139.2	178.8	-5,803.4	Last MWD Survey 8568MD/3139.2 TVD 178.8N -5803.4 W N: 643453.1 E: 532883.0	
8,640.0	3,139.4	178.4	-5,875.4	PTB 8640 MD/3139.4 TVD 178.4 N -5875.4 W N: 643452.7 E: 532811.0	

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

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. 30-015-48886
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 Brainard 11
4. Well Location Unit Letter D : 485 feet from the North line and 575 feet from the West line Section 12 Township 18S Range 26E NMPM County Eddy		8. Well Number 3H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3283'		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 ☐	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.

11/14/2022 - 12/2/2022 Perforated 3,606' - 8,540' w/ 1050 holes. Frac w/ 3,715 bbls 15% Acid, 1,962,833 gallons SW, 2,861,649 #100 Mesh, 4,002,020 40/70 White, 467,740 40/70 Resin. RIH w/ 97 jts of 2 7/8" J-55 @ 3,167'. Summit 538 Series, SJ5500AR @ 3,192'.

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 1/11/2023

Type or print name Delilah Flores E-mail address: delilah@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 Brainard 11 6. Well Number: 3H				
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:	D	12	18S	26E		485	North	575	West	Eddy
BH:	D	11	18S	26E		689	North	4	West	Eddy
13. Date Spudded 8/11/2022	14. Date T.D. Reached 8/21/2022		15. Date Rig Released 8/22/2022		16. Date Completed (Ready to Produce) 12/2/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3283'		
18. Total Measured Depth of Well 8640' - TVD 3139'			19. Plug Back Measured Depth 8606' - TVD 3139'		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run Submitted		
22. Producing Interval(s), of this completion - Top, Bottom, Name 3606' - 8540' 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		1232'		12 1/4"		555 sx		
7" & 5 1/2"		#26 & #17		8640'		8 3/4"		1735 sx		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2 7/8"	3167'	3192'		
26. Perforation record (interval, size, and number) 3606' - 8540', .42, 1050 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						3606' - 8540'		3712 bbls 15% Acid, 1,962,833 SW, 2,861,649 #100		
								Mesh 4,002,020 40/70 White, 467,740 40/70 Resin		
28. PRODUCTION										
Date First Production 1/9/2023		Production Method (Flowing, gas lift, pumping - Size and type pump) Summit 538 Series SJ5500 AR				Well Status (Prod. or Shut-in) Producing				
Date of Test 1/9/2023	Hours Tested 24 hrs	Choke Size	Prod'n For Test Period	Oil - Bbl 25	Gas - MCF 5	Water - Bbl. 4750	Gas - Oil Ratio 1250			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 25	Gas - MCF 5	Water - Bbl. 4750	Oil Gravity - API - (Corr.) 40.6				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) 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: 8/22/2022			
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>Delilah Flores</i>			Printed Name Delilah Flores			Title Regulatory Technician I			Date 1/11/2023	
E-mail Address delilah@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 295'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 765'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 1005'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 2330'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 2379'	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 175105

ACKNOWLEDGMENTS

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 175105
	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 175105

CONDITIONS

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 175105
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
nmurphy	None	5/3/2023