

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 - 015-47735	⁵ Pool Name Red Lake; Glorieta - Yeso		⁶ Pool Code 51120
⁷ Property Code 329490	⁸ Property Name Kaiser 18 4H		⁹ Well Number 4H

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
F	18	18S	27E		2010	North	2008	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
E	13	18S	26E		2310	North	4	West	Eddy
¹² Lse Code S	¹³ Producing Method Code P		¹⁴ Gas Connection Date 8/27/2022		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 5/16/2022	²² Ready Date 8/25/2022	²³ TD 10,414' / TVD 3210	²⁴ PBTD 10,379/ TVD 3211'	²⁵ Perforations 3920'-10315' / TVD 3430' - 3212'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12 1/4"		9 5/8"		1227'	450 sx
8 3/4"		7" & 5 1/2		10,414'	2520 sx

V. Well Test Data

³¹ Date New Oil N/A	³² Gas Delivery Date 8/27/2022	³³ Test Date 8/27/2022	³⁴ Test Length 24 hr	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 0	³⁹ Water 3954	⁴⁰ Gas 47		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 Approved by: Title: Approval Date: 		
Printed name: Delilah Flores					
Title: Regulatory Technician I					
E-mail Address: delilah@mec.com					
Date: 10/3/2022		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 30-15-47735		² Pool Code 51120	³ Pool Name Red Lake; Glorieta-Yeso
⁴ Property Code 329490	⁵ Property Name KAISER 18		⁶ Well Number 4H
⁷ OGRID No. 13837	⁸ Operator Name REDWOOD OPERATING, LLC		⁹ Elevation 3289.8

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
F	18	18 S	27 E		2010	NORTH	2008	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
E	13	18 S	26 E		2310	NORTH	4	WEST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
200			

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. 13
LAT. = 32.7551551°N
LONG. = 104.3439789°W

N/4 CORNER SEC. 13
LAT. = 32.7552253°N
LONG. = 104.3352170°W

NMSP EAST (FT)
N = 638457.46
E = 538064.84

NW CORNER SEC. 18
LAT. = 32.7552947°N
LONG. = 104.3264684°W

NE CORNER SEC. 18
LAT. = 32.7550455°N
LONG. = 104.3091549°W

NMSP EAST (FT)
N = 638508.14
E = 543447.93

N89°27'37"E 2694.36 FT

N89°27'39"E 2690.29 FT

N89°51'27"W 2647.37 FT

N89°53'05"W 2644.70 FT

N89°54'47"W 2667.36 FT

S89°01'57"E 2662.29 FT

S89°01'57"E 2662.29 FT

S00°08'50"W 2642.77 FT

S00°08'50"W 2642.77 FT

S00°08'50"W 2642.77 FT

BOTTOM OF HOLE
LAT. = 32.7488072°N
LONG. = 104.3439240°W
NMSP EAST (FT)
N = 636148.01
E = 538081.49

BOTTOM OF HOLE
LTP
DNF

LAST TAKE POINT
2309' FNL, 103' FWL
LAT. = 32.7488139°N
LONG. = 104.3436022°W
NMSP EAST (FT)
N = 636150.44
E = 538180.41

LOT 1
SURFACE LOCATION
2008'
FTP
KOP
AS-DRILLED

LOT 2
DNF

LOT 3
FIRST TAKE POINT
2308' FNL, 1149' FWL
LAT. = 32.7489128°N
LONG. = 104.3228228°W
NMSP EAST (FT)
N = 636186.44
E = 544568.88

LOT 4
DNF

KAISER 18 4H
ELEV. = 3289.8'
LAT. = 32.7496779°N (NAD83)
LONG. = 104.3200173°W
NMSP EAST (FT)
N = 636464.88
E = 545431.38

E/4 CORNER SEC. 18
LAT. = 32.7477901°N
LONG. = 104.3093116°W
NMSP EAST (FT)
N = 635778.64
E = 548722.89

KICK OFF POINT
2020' FNL, 2010' FWL
LAT. = 32.7496515°N
LONG. = 104.3200118°W
NMSP EAST (FT)
N = 636455.28
E = 545433.07

SW CORNER SEC. 13
LAT. = 32.7405846°N
LONG. = 104.3438840°W

S/4 CORNER SEC. 13
LAT. = 32.7405670°N
LONG. = 104.3352760°W

NMSP EAST (FT)
N = 633156.53
E = 538093.48

SW CORNER SEC. 18
LAT. = 32.7405522°N
LONG. = 104.3266766°W

SE CORNER SEC. 18
LAT. = 32.7405277°N
LONG. = 104.3093306°W

NMSP EAST (FT)
N = 633144.63
E = 543384.24

N89°51'27"W 2647.37 FT

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Intent ☐ As Drilled ☒

API #		
Operator Name: REDWOOD OPERATING, LLC	Property Name: KAISER 18	Well Number 4H

Kick Off Point (KOP)

UL F	Section 18	Township 18S	Range 27E	Lot	Feet 2020	From N/S NORTH	Feet 2010	From E/W WEST	County EDDY
Latitude 32.7496515					Longitude 104.3200118				NAD 83

First Take Point (FTP)

UL	Section 18	Township 18S	Range 27E	Lot 2	Feet 2303	From N/S NORTH	Feet 1149	From E/W WEST	County EDDY
Latitude 32.7489128					Longitude 104.3228228				NAD 83

Last Take Point (LTP)

UL E	Section 13	Township 18S	Range 26E	Lot	Feet 2309	From N/S NORTH	Feet 103	From E/W WEST	County EDDY
Latitude 32.7488139					Longitude 104.3436022				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 18-T18S-R27E

Kaiser 18 #4H

Wellbore #1

Survey: Survey #1

Standard Survey Report

24 May, 2022

Microsoft Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Kaiser 18 #4H
Project:	Eddy County, NM	TVD Reference:	3289.8+18 @ 3307.8usft
Site:	Sec 18-T18S-R27E	MD Reference:	3289.8+18 @ 3307.8usft
Well:	Kaiser 18 #4H	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 18-T18S-R27E			
Site Position:		Northing:	637,839.86 usft	Latitude:	32° 45' 12.448 N
From:	Map	Easting:	543,939.96 usft	Longitude:	104° 19' 29.525 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.00 °

Well	Kaiser 18 #4H					
Well Position	+N/-S	0.0 usft	Northing:	636,464.88 usft	Latitude:	32° 44' 58.841 N
	+E/-W	0.0 usft	Easting:	545,431.38 usft	Longitude:	104° 19' 12.062 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,289.8 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	05/06/22	6.81	60.36	47,666.57618426

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	267.53	

Survey Program	Date	05/24/22			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
198.0	10,414.0	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	
198.0	0.80	290.20	198.0	0.5	-1.3	1.3	0.40	0.40	0.00	
1st MWD Survey										
345.0	0.70	287.40	345.0	1.1	-3.1	3.1	0.07	-0.07	-1.90	
503.0	0.70	294.50	503.0	1.8	-4.9	4.8	0.05	0.00	4.49	
629.0	0.60	276.90	629.0	2.2	-6.3	6.2	0.18	-0.08	-13.97	
693.0	1.00	241.80	693.0	2.0	-7.1	7.0	0.96	0.63	-54.84	
820.0	0.80	231.10	819.9	0.9	-8.8	8.7	0.21	-0.16	-8.43	
946.0	0.40	292.50	945.9	0.5	-9.9	9.8	0.56	-0.32	48.73	
1,072.0	0.30	311.10	1,071.9	0.9	-10.5	10.5	0.12	-0.08	14.76	
1,162.0	0.60	295.10	1,161.9	1.2	-11.1	11.0	0.36	0.33	-17.78	

Microsoft Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Kaiser 18 #4H
Project:	Eddy County, NM	TVD Reference:	3289.8+18 @ 3307.8usft
Site:	Sec 18-T18S-R27E	MD Reference:	3289.8+18 @ 3307.8usft
Well:	Kaiser 18 #4H	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)
1,254.0	0.40	332.00	1,253.9	1.7	-11.7	11.6	0.40	-0.22	40.11
1,317.0	0.50	286.30	1,316.9	2.0	-12.1	12.0	0.57	0.16	-72.54
1,444.0	1.20	95.80	1,443.9	2.0	-11.3	11.2	1.33	0.55	133.46
1,507.0	1.20	97.20	1,506.9	1.9	-10.0	9.9	0.05	0.00	2.22
1,570.0	1.20	115.40	1,569.9	1.5	-8.7	8.6	0.60	0.00	28.89
1,633.0	1.10	117.80	1,632.9	0.9	-7.6	7.5	0.18	-0.16	3.81
1,696.0	1.10	121.40	1,695.9	0.3	-6.5	6.5	0.11	0.00	5.71
1,760.0	1.10	116.20	1,759.9	-0.2	-5.5	5.5	0.16	0.00	-8.13
1,823.0	1.20	114.50	1,822.8	-0.8	-4.3	4.3	0.17	0.16	-2.70
1,886.0	1.10	122.30	1,885.8	-1.4	-3.2	3.3	0.29	-0.16	12.38
1,949.0	1.10	121.10	1,948.8	-2.0	-2.2	2.3	0.04	0.00	-1.90
2,013.0	1.10	129.70	2,012.8	-2.7	-1.2	1.3	0.26	0.00	13.44
2,076.0	1.10	148.80	2,075.8	-3.6	-0.4	0.6	0.58	0.00	30.32
2,139.0	1.10	150.80	2,138.8	-4.7	0.2	0.0	0.06	0.00	3.17
2,203.0	1.00	157.00	2,202.8	-5.7	0.7	-0.5	0.24	-0.16	9.69
2,266.0	0.90	156.80	2,265.8	-6.7	1.1	-0.8	0.16	-0.16	-0.32
2,330.0	1.00	172.90	2,329.8	-7.7	1.4	-1.1	0.44	0.16	25.16
2,393.0	0.90	188.10	2,392.7	-8.7	1.4	-1.0	0.43	-0.16	24.13
2,457.0	0.60	188.30	2,456.7	-9.6	1.3	-0.9	0.47	-0.47	0.31
2,520.0	1.40	245.70	2,519.7	-10.2	0.5	-0.1	1.89	1.27	91.11
2,583.0	4.50	243.60	2,582.6	-11.6	-2.4	2.9	4.92	4.92	-3.33
2,646.0	10.00	244.70	2,645.1	-15.1	-9.5	10.2	8.73	8.73	1.75
2,709.0	16.10	250.20	2,706.5	-20.4	-22.7	23.6	9.87	9.68	8.73
2,773.0	21.90	253.30	2,766.9	-26.8	-42.5	43.6	9.20	9.06	4.84
2,836.0	23.90	253.00	2,825.0	-33.9	-66.0	67.4	3.18	3.17	-0.48
2,899.0	28.40	247.50	2,881.5	-43.4	-92.0	93.8	8.11	7.14	-8.73
2,963.0	32.00	246.80	2,936.8	-55.9	-121.7	124.0	5.65	5.63	-1.09
3,026.0	37.40	247.70	2,988.6	-69.7	-154.8	157.6	8.61	8.57	1.43
3,089.0	41.40	246.80	3,037.3	-85.2	-191.6	195.1	6.41	6.35	-1.43
3,153.0	45.50	245.50	3,083.7	-103.0	-231.9	236.1	6.56	6.41	-2.03
3,216.0	50.70	245.70	3,125.8	-122.4	-274.6	279.6	8.26	8.25	0.32
3,227.0	51.60	245.90	3,132.7	-125.9	-282.4	287.5	8.30	8.18	1.82
3,237.0	52.10	246.10	3,138.9	-129.1	-289.6	294.8	5.24	5.00	2.00
3,247.0	52.40	246.10	3,145.0	-132.3	-296.8	302.2	3.00	3.00	0.00
3,257.0	52.40	246.20	3,151.1	-135.5	-304.0	309.6	0.79	0.00	1.00
3,267.0	52.60	246.20	3,157.2	-138.7	-311.3	317.0	2.00	2.00	0.00
3,277.0	52.70	246.10	3,163.2	-141.9	-318.6	324.4	1.28	1.00	-1.00
3,287.0	52.60	246.20	3,169.3	-145.1	-325.8	331.8	1.28	-1.00	1.00
3,297.0	52.70	246.20	3,175.4	-148.3	-333.1	339.2	1.00	1.00	0.00
3,307.0	52.70	246.20	3,181.4	-151.6	-340.4	346.6	0.00	0.00	0.00
3,317.0	52.70	246.10	3,187.5	-154.8	-347.7	354.0	0.80	0.00	-1.00
3,327.0	52.80	246.10	3,193.6	-158.0	-354.9	361.4	1.00	1.00	0.00
3,337.0	52.90	246.20	3,199.6	-161.2	-362.2	368.8	1.28	1.00	1.00

Microsoft Survey Report

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Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

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3,347.0	53.10	246.00	3,205.6	-164.5	-369.5	376.3	2.56	2.00	-2.00	
3,357.0	53.10	246.00	3,211.6	-167.7	-376.8	383.7	0.00	0.00	0.00	
3,367.0	53.20	246.00	3,217.6	-171.0	-384.1	391.2	1.00	1.00	0.00	
3,377.0	53.20	246.00	3,223.6	-174.2	-391.5	398.6	0.00	0.00	0.00	
3,387.0	53.30	246.00	3,229.6	-177.5	-398.8	406.1	1.00	1.00	0.00	
3,397.0	53.30	246.00	3,235.6	-180.7	-406.1	413.5	0.00	0.00	0.00	
3,407.0	53.30	246.00	3,241.5	-184.0	-413.4	421.0	0.00	0.00	0.00	
3,417.0	53.40	246.00	3,247.5	-187.3	-420.8	428.4	1.00	1.00	0.00	
3,427.0	53.40	246.00	3,253.5	-190.5	-428.1	435.9	0.00	0.00	0.00	
3,437.0	53.50	246.00	3,259.4	-193.8	-435.4	443.4	1.00	1.00	0.00	
3,447.0	53.50	246.10	3,265.4	-197.1	-442.8	450.9	0.80	0.00	1.00	
3,457.0	53.60	246.00	3,271.3	-200.3	-450.1	458.3	1.28	1.00	-1.00	
3,467.0	53.70	245.90	3,277.2	-203.6	-457.5	465.8	1.28	1.00	-1.00	
3,477.0	53.60	246.00	3,283.2	-206.9	-464.8	473.3	1.28	-1.00	1.00	
3,487.0	53.80	246.10	3,289.1	-210.2	-472.2	480.8	2.16	2.00	1.00	
3,497.0	53.80	245.80	3,295.0	-213.5	-479.6	488.3	2.42	0.00	-3.00	
3,507.0	54.30	245.70	3,300.9	-216.8	-487.0	495.8	5.07	5.00	-1.00	
3,511.0	54.60	245.70	3,303.2	-218.1	-489.9	498.9	7.50	7.50	0.00	
3,532.0	56.20	246.20	3,315.1	-225.2	-505.7	514.9	7.87	7.62	2.38	
3,564.0	59.20	249.30	3,332.2	-235.4	-530.7	540.4	12.45	9.38	9.69	
3,595.0	62.10	251.60	3,347.4	-244.4	-556.2	566.2	11.37	9.35	7.42	
3,659.0	65.90	256.30	3,375.5	-260.3	-611.5	622.1	8.88	5.94	7.34	
3,690.0	68.70	259.00	3,387.4	-266.4	-639.4	650.3	12.09	9.03	8.71	
3,722.0	71.40	261.70	3,398.4	-271.4	-669.0	680.1	11.58	8.44	8.44	
3,785.0	77.00	265.80	3,415.5	-278.0	-729.3	740.6	10.87	8.89	6.51	
3,848.0	83.60	270.10	3,426.1	-280.2	-791.3	802.6	12.45	10.48	6.83	
3,912.0	90.30	272.40	3,429.5	-278.8	-855.1	866.3	11.07	10.47	3.59	
4,039.0	92.40	272.00	3,426.5	-273.9	-982.0	992.9	1.68	1.65	-0.31	
4,091.0	92.90	270.80	3,424.1	-272.6	-1,033.9	1,044.7	2.50	0.96	-2.31	
4,217.0	93.60	268.80	3,417.0	-273.1	-1,159.7	1,170.4	1.68	0.56	-1.59	
4,344.0	93.30	268.90	3,409.3	-275.6	-1,286.5	1,297.1	0.25	-0.24	0.08	
4,407.0	92.10	268.40	3,406.4	-277.1	-1,349.4	1,360.0	2.06	-1.90	-0.79	
4,470.0	92.70	268.60	3,403.7	-278.8	-1,412.3	1,423.0	1.00	0.95	0.32	
4,597.0	92.20	268.80	3,398.3	-281.6	-1,539.1	1,549.8	0.42	-0.39	0.16	
4,661.0	91.80	269.10	3,396.1	-282.8	-1,603.1	1,613.8	0.78	-0.63	0.47	
4,724.0	92.60	269.60	3,393.7	-283.5	-1,666.0	1,676.7	1.50	1.27	0.79	
4,851.0	91.60	269.30	3,389.0	-284.7	-1,792.9	1,803.5	0.82	-0.79	-0.24	
4,914.0	92.30	269.70	3,386.9	-285.3	-1,855.9	1,866.5	1.28	1.11	0.63	
4,978.0	91.30	268.50	3,384.8	-286.3	-1,919.9	1,930.4	2.44	-1.56	-1.88	
5,041.0	91.60	268.50	3,383.3	-287.9	-1,982.8	1,993.4	0.48	0.48	0.00	
5,104.0	91.70	268.20	3,381.4	-289.8	-2,045.8	2,056.3	0.50	0.16	-0.48	
5,168.0	91.80	268.10	3,379.5	-291.8	-2,109.7	2,120.3	0.22	0.16	-0.16	
5,231.0	92.20	267.90	3,377.3	-294.0	-2,172.6	2,183.3	0.71	0.63	-0.32	

Microsoft

Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Kaiser 18 #4H
Project:	Eddy County, NM	TVD Reference:	3289.8+18 @ 3307.8usft
Site:	Sec 18-T18S-R27E	MD Reference:	3289.8+18 @ 3307.8usft
Well:	Kaiser 18 #4H	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)
5,358.0	91.20	269.10	3,373.5	-297.3	-2,299.5	2,310.2	1.23	-0.79	0.94
5,421.0	91.90	269.40	3,371.8	-298.2	-2,362.5	2,373.1	1.21	1.11	0.48
5,484.0	92.30	270.00	3,369.5	-298.5	-2,425.5	2,436.1	1.14	0.63	0.95
5,548.0	92.80	269.70	3,366.7	-298.7	-2,489.4	2,499.9	0.91	0.78	-0.47
5,674.0	90.70	269.40	3,362.8	-299.7	-2,615.3	2,625.8	1.68	-1.67	-0.24
5,737.0	91.10	269.20	3,361.8	-300.4	-2,678.3	2,688.8	0.71	0.63	-0.32
5,801.0	91.70	269.20	3,360.3	-301.3	-2,742.3	2,752.7	0.94	0.94	0.00
5,864.0	92.10	269.30	3,358.2	-302.1	-2,805.2	2,815.6	0.65	0.63	0.16
5,927.0	92.60	269.30	3,355.6	-302.9	-2,868.2	2,878.6	0.79	0.79	0.00
5,990.0	93.10	269.10	3,352.5	-303.8	-2,931.1	2,941.5	0.85	0.79	-0.32
6,116.0	92.10	269.30	3,346.7	-305.5	-3,057.0	3,067.3	0.81	-0.79	0.16
6,243.0	92.20	271.10	3,342.0	-305.1	-3,183.9	3,194.0	1.42	0.08	1.42
6,369.0	90.90	271.20	3,338.6	-302.6	-3,309.8	3,319.7	1.03	-1.03	0.08
6,433.0	91.60	271.10	3,337.2	-301.3	-3,373.8	3,383.6	1.10	1.09	-0.16
6,496.0	92.00	270.90	3,335.2	-300.2	-3,436.7	3,446.5	0.71	0.63	-0.32
6,559.0	92.50	271.00	3,332.7	-299.1	-3,499.7	3,509.3	0.81	0.79	0.16
6,623.0	90.60	271.10	3,331.0	-298.0	-3,563.6	3,573.1	2.97	-2.97	0.16
6,686.0	90.90	270.70	3,330.2	-297.0	-3,626.6	3,636.0	0.79	0.48	-0.63
6,749.0	91.50	270.60	3,328.8	-296.3	-3,689.6	3,698.9	0.97	0.95	-0.16
6,813.0	91.80	270.60	3,327.0	-295.6	-3,753.6	3,762.8	0.47	0.47	0.00
6,876.0	92.00	270.20	3,324.9	-295.2	-3,816.5	3,825.7	0.71	0.32	-0.63
6,939.0	92.30	269.90	3,322.5	-295.1	-3,879.5	3,888.6	0.67	0.48	-0.48
7,003.0	92.80	269.90	3,319.7	-295.2	-3,943.4	3,952.5	0.78	0.78	0.00
7,129.0	91.40	269.70	3,315.1	-295.7	-4,069.3	4,078.3	1.12	-1.11	-0.16
7,192.0	92.00	269.30	3,313.2	-296.2	-4,132.3	4,141.2	1.14	0.95	-0.63
7,256.0	92.20	269.30	3,310.9	-297.0	-4,196.2	4,205.1	0.31	0.31	0.00
7,319.0	92.40	268.70	3,308.3	-298.1	-4,259.2	4,268.1	1.00	0.32	-0.95
7,382.0	93.00	269.00	3,305.4	-299.3	-4,322.1	4,331.0	1.06	0.95	0.48
7,509.0	91.90	268.70	3,299.9	-301.9	-4,449.0	4,457.8	0.90	-0.87	-0.24
7,573.0	92.30	268.90	3,297.6	-303.2	-4,512.9	4,521.8	0.70	0.63	0.31
7,699.0	91.00	269.70	3,294.0	-304.8	-4,638.8	4,647.7	1.21	-1.03	0.63
7,763.0	91.60	270.00	3,292.5	-304.9	-4,702.8	4,711.6	1.05	0.94	0.47
7,826.0	92.30	269.80	3,290.4	-305.0	-4,765.8	4,774.5	1.16	1.11	-0.32
7,953.0	91.10	269.90	3,286.6	-305.4	-4,892.7	4,901.3	0.95	-0.94	0.08
8,016.0	91.40	270.00	3,285.2	-305.4	-4,955.7	4,964.3	0.50	0.48	0.16
8,080.0	92.30	270.40	3,283.2	-305.2	-5,019.7	5,028.2	1.54	1.41	0.63
8,206.0	91.60	269.20	3,278.9	-305.7	-5,145.6	5,154.0	1.10	-0.56	-0.95
8,270.0	92.40	269.50	3,276.6	-306.4	-5,209.6	5,217.9	1.33	1.25	0.47
8,397.0	91.50	269.20	3,272.3	-307.8	-5,336.5	5,344.8	0.75	-0.71	-0.24
8,460.0	92.50	269.10	3,270.1	-308.8	-5,399.4	5,407.7	1.60	1.59	-0.16
8,523.0	92.40	269.00	3,267.4	-309.8	-5,462.4	5,470.6	0.22	-0.16	-0.16
8,586.0	90.60	268.30	3,265.8	-311.3	-5,525.3	5,533.6	3.07	-2.86	-1.11
8,649.0	91.10	268.50	3,264.8	-313.0	-5,588.3	5,596.6	0.85	0.79	0.32
8,776.0	90.90	270.60	3,262.6	-314.0	-5,715.3	5,723.5	1.66	-0.16	1.65

Microsoft
Survey Report

Company:	Redwood Operating LLC	Local Co-ordinate Reference:	Well Kaiser 18 #4H
Project:	Eddy County, NM	TVD Reference:	3289.8+18 @ 3307.8usft
Site:	Sec 18-T18S-R27E	MD Reference:	3289.8+18 @ 3307.8usft
Well:	Kaiser 18 #4H	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)
8,839.0	91.50	270.70	3,261.3	-313.3	-5,778.2	5,786.4	0.97	0.95	0.16
8,902.0	92.00	270.80	3,259.4	-312.5	-5,841.2	5,849.2	0.81	0.79	0.16
8,965.0	92.80	271.10	3,256.7	-311.5	-5,904.1	5,912.1	1.36	1.27	0.48
9,091.0	92.40	270.70	3,251.0	-309.5	-6,030.0	6,037.7	0.45	-0.32	-0.32
9,218.0	92.40	269.30	3,245.7	-309.5	-6,156.9	6,164.5	1.10	0.00	-1.10
9,345.0	92.40	269.80	3,240.4	-310.5	-6,283.8	6,291.3	0.39	0.00	0.39
9,471.0	91.00	270.60	3,236.7	-310.0	-6,409.7	6,417.1	1.28	-1.11	0.63
9,598.0	92.70	271.40	3,232.6	-307.8	-6,536.6	6,543.8	1.48	1.34	0.63
9,661.0	92.20	271.10	3,229.9	-306.4	-6,599.5	6,606.6	0.93	-0.79	-0.48
9,788.0	91.30	270.00	3,226.0	-305.2	-6,726.5	6,733.4	1.12	-0.71	-0.87
9,914.0	91.80	269.30	3,222.6	-306.0	-6,852.4	6,859.2	0.68	0.40	-0.56
10,041.0	92.40	269.00	3,217.9	-307.9	-6,979.3	6,986.1	0.53	0.47	-0.24
10,168.0	90.70	268.50	3,214.5	-310.6	-7,106.2	7,113.0	1.40	-1.34	-0.39
10,294.0	91.20	268.50	3,212.4	-313.9	-7,232.2	7,239.0	0.40	0.40	0.00
10,340.0	91.40	268.60	3,211.4	-315.1	-7,278.2	7,285.0	0.49	0.43	0.22
Last MWD Survey 10340 MD/3211.4 TVD -315.1 S -7278.2 W N: 636149.7 E: 538153.2									
10,414.0	91.40	268.60	3,209.6	-316.9	-7,352.1	7,358.9	0.00	0.00	0.00
PTB 10414 MD/3209.6 TVD -316.9 S -7352.1 W N: 636147.9 E: 538079.2									

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
198.0	198.0	0.5	-1.3	1st MWD Survey
10,340.0	3,211.4	-315.1	-7,278.2	Last MWD Survey 10340 MD/3211.4 TVD -315.1 S -7278.2 W N: 636149.7 E: 5
10,414.0	3,209.6	-316.9	-7,352.1	PTB 10414 MD/3209.6 TVD -316.9 S -7352.1 W N: 636147.9 E: 538079.2

Checked By: _____	Approved By: _____	Date: _____
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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. 30-015-47735
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Kaiser 18
8. Well Number 4H
9. OGRID Number 330211
10. Pool name or Wildcat Red Lake; Glorieta - Yeso
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3289'

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 F : 2010 feet from the North line and 2008 feet from the West line
 Section 18 Township 18S Range 27E NMPM County Eddy

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.

8/5/2022 - 8/14/2022 Perforated 3920' - 10315' w/ 1344 holes. Frac w/ 1057.88 15% Acid, 307437 SW, 5226440# 100 Mesh, 4349920 40/70 White, 867040 40/70 Resin. RIH w/ 105 jts of 2 7/8" tbg @ 3427' Summit 538 Series SJ 5500 AR @ 3450'.

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 10/3/2022

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 Kaiser 18				
						6. Well Number: 4H				
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:	F	18	18S	27E		2010	North	2008	West	Eddy
BH:	E	13	18S	26E		2310	North	4	West	Eddy
13. Date Spudded 5/16/2022	14. Date T.D. Reached 5/23/2022		15. Date Rig Released 5/24/2022			16. Date Completed (Ready to Produce) 8/25/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3289'		
18. Total Measured Depth of Well 10,414' / TVD 3210'			19. Plug Back Measured Depth 10,379' / TVD 3211'			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Submitted		
22. Producing Interval(s), of this completion - Top, Bottom, Name 3920' - 10315' 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"		450 sx		
7" & 5 1/2"		26# & 17#		10,414"		8 3/4"		2520 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) 3920' - 10315', .42, 1344 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						3920'-10315'		1058 15% Acid, 307437 SW, 5226440 #100 Mesh,		
								4349920 40/70 White, 867040 40/70 Resin		
28. PRODUCTION										
Date First Production 8/27/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) Summit 538 Series SJ 5500AR				Well Status (Prod. or Shut-in) Producing				
Date of Test 8/27/2022	Hours Tested 24 hr	Choke Size	Prod'n For Test Period	Oil - Bbl 0	Gas - MCF 47	Water - Bbl. 3954	Gas - Oil Ratio N/A			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 0	Gas - MCF 47	Water - Bbl. 3954	Oil Gravity - API - (Corr.) N/A				
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: 5/24/2022			
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 10/3/2022	
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 476'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 890'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 1,167'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 2,644'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 2,713'	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry 3,287'	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 148914

ACKNOWLEDGMENTS

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 148914
	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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Santa Fe, NM 87505

CONDITIONS

Action 148914

CONDITIONS

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 148914
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
nmurphy	None	1/5/2023