

Submit 1 Copy To Appropriate District  
Office  
District I – (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II – (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III – (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV – (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised July 18, 2013

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. 30-015-45568
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Redwood Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator PO Box 1370 Artesia, NM 88211-1370		7. Lease Name or Unit Agreement Name Kaiser 18
4. Well Location Unit Letter <u>F</u> : <u>1950</u> feet from the <u>North</u> line and <u>2008</u> feet from the <u>West</u> line Section <u>18</u> Township <u>18S</u> Range <u>27E</u> NMPM County <u>Eddy, NM</u>		8. Well Number <u>1H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3288' 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 <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <u>Move Location, Casing Change</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

Redwood Operating LLC request the following changes to the Kaiser 18 1H APD.

SHL has been moved 20' to the North.

Surface Casing-No Change.

Production Casing-Drill 8 3/4" hole to 9813', Run 7" 26# L-80 LT&C from 0-1850'. 7" 26# L-80 BT&C from 1850-2930'. 5 1/2" 17# L-80 BT&C from 2930-9813'. Cement w/Lead 200sx 35/65 Perlite C, Tail 1850sx PVL.

**Hold C-104 for 5.9 Compliance**

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 Jerry W. Sherrell TITLE Production Clerk DATE 11/24/2020

Type or print name Jerry W Sherrell E-mail address: jerrys@mec.com PHONE: 575-748-1288

**For State Use Only**

APPROVED BY: [Signature] TITLE District III Geologist DATE 12/14/2020

Conditions of Approval (if any):



District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
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District IV  
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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

<sup>1</sup> API Number <b>30-015-45568</b>	<sup>2</sup> Pool Code <b>51120</b>	<sup>3</sup> Pool Name <b>Red Lake; Glorieta-Yeso</b>
<sup>4</sup> Property Code <b>323060</b>	<sup>5</sup> Property Name <b>KAISER 18</b>	<sup>6</sup> Well Number <b>1H</b>
<sup>7</sup> OGRID No. <b>330211</b>	<sup>8</sup> Operator Name <b>REDWOOD OPERATING LLC</b>	<sup>9</sup> Elevation <b>3288.7</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>F</b>	<b>18</b>	<b>18 S</b>	<b>27 E</b>		<b>1950</b>	<b>NORTH</b>	<b>2008</b>	<b>WEST</b>	<b>EDDY</b>

<sup>11</sup> 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
<b>E</b>	<b>13</b>	<b>18 S</b>	<b>26 E</b>		<b>1650</b>	<b>NORTH</b>	<b>1</b>	<b>WEST</b>	<b>EDDY</b>

<sup>12</sup> Dedicated Acres <b>200</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>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 undivided 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.</p> <p><i>[Signature]</i> 11/23/2020 Signature Date <b>Terry W Sherrill</b> Printed Name <b>terryse@nec.com</b> Email Address</p>		<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>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.</p> <p>NOVEMBER 12, 2020 Date of Survey</p> <p><i>[Signature]</i> Signature and Seal of Professional Surveyor Certificate Number: <b>12797</b> <b>WILLIAM F. JARAMILLO</b> Professional Surveyor No. 8642</p>	
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Intent ☐ As Drilled ☐

API #

Operator Name:	Property Name:	Well Number
REDWOOD OPERATING LLC	KAISER 18	1H

Kick Off Point (KOP)

UL F	Section 18	Township 18S	Range 27E	Lot	Feet 1950	From N/S NORTH	Feet 2008	From E/W WEST	County EDDY
Latitude 32.7498427					Longitude 104.3200151			NAD 83	

First Take Point (FTP)

UL	Section 18	Township 18S	Range 27E	Lot 2	Feet 1650	From N/S NORTH	Feet 1220	From E/W WEST	County EDDY
Latitude 32.7507039					Longitude 104.3225656			NAD 83	

Last Take Point (LTP)

UL E	Section 13	Township 18S	Range 26E	Lot	Feet 1650	From N/S NORTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.7506236					Longitude 104.3436242			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



# Kaiser 18-1H, Plan 1

<b>Operator</b> Redwood Operating LLC	<b>Units</b> feet, °/100ft	16:30 Thursday, November 19, 2020 Page 1 of 5
<b>Field</b> Red Lake	<b>County</b> Eddy	<b>Vertical Section Azimuth</b> 269.74
<b>Well Name</b> Kaiser 18-1H	<b>State</b> New Mexico	<b>Survey Calculation Method</b> Minimum Curvature
<b>Plan</b> 1	<b>Country</b> USA	<b>Database</b> Access

<b>Location</b> SL: 1950 FNL & 2008 FWL Section 18-T18S-R27E BHL: 1650 FNL & 1 FWL Section 13-T18S-26E	<b>Map Zone</b> UTM	<b>Lat Long Ref</b>
<b>Site</b>	<b>Surface X</b> 1849488.5	<b>Surface Long</b>
<b>Slot Name</b>	<b>Surface Y</b> 11888182.3	<b>Surface Lat</b>
<b>Well Number</b>	<b>Surface Z</b> 3306.7	<b>Global Z Ref</b> KB
<b>Project</b>	<b>Ground Level</b> 3288.7	<b>Local North Ref</b> Grid

## DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
*** TIE (at MD = 1832.00)										
1832.00	0.00	0.0	1831.00	0.00	0.00		0.00	1849488.50	11888182.30	1475.70
1850.00	0.00	0.0	1849.00	0.00	0.00	0.00	0.00	1849488.50	11888182.30	1457.70
1900.00	0.00	0.0	1899.00	0.00	0.00	0.00	0.00	1849488.50	11888182.30	1407.70
*** KOP 9 DEGREES (at MD = 1932.00)										
1932.00	0.00	0.0	1931.00	0.00	0.00	0.00	0.00	1849488.50	11888182.30	1375.70
1950.00	1.44	296.7	1949.00	0.10	-0.20	8.00	0.20	1849488.30	11888182.40	1357.70
2000.00	5.44	296.7	1998.90	1.45	-2.88	8.00	2.88	1849485.62	11888183.75	1307.80
2050.00	9.44	296.7	2048.47	4.36	-8.66	8.00	8.64	1849479.84	11888186.66	1258.23
2100.00	13.44	296.7	2097.46	8.81	-17.52	8.00	17.48	1849470.98	11888191.11	1209.24
2150.00	17.44	296.7	2145.65	14.79	-29.41	8.00	29.34	1849459.09	11888197.09	1161.05
2200.00	21.44	296.7	2192.79	22.27	-44.28	8.00	44.17	1849444.22	11888204.57	1113.91
2250.00	25.44	296.7	2238.65	31.20	-62.04	8.00	61.90	1849426.46	11888213.50	1068.05
2300.00	29.44	296.7	2283.02	41.55	-82.62	8.00	82.43	1849405.88	11888223.85	1023.68
2350.00	33.44	296.7	2325.67	53.27	-105.92	8.00	105.67	1849382.58	11888235.57	981.03
2400.00	37.44	296.7	2366.40	66.29	-131.81	8.00	131.51	1849356.69	11888248.59	940.30
2450.00	41.44	296.7	2405.00	80.56	-160.18	8.00	159.81	1849328.32	11888262.86	901.70
2500.00	45.44	296.7	2441.30	96.01	-190.89	8.00	190.45	1849297.61	11888278.31	865.40
2550.00	49.44	296.7	2475.11	112.55	-223.78	8.00	223.27	1849264.72	11888294.85	831.59
2600.00	53.44	296.7	2506.27	130.12	-258.71	8.00	258.11	1849229.79	11888312.42	800.43
*** 55 DEGREE TANGENT (at MD = 2619.50)										
2619.50	55.00	296.7	2517.67	137.22	-272.84	8.00	272.21	1849215.66	11888319.52	789.03
2650.00	55.00	296.7	2535.17	148.45	-295.16	0.00	294.48	1849193.34	11888330.75	771.53
2700.00	55.00	296.7	2563.85	166.85	-331.75	0.00	330.99	1849156.75	11888349.15	742.85
2750.00	55.00	296.7	2592.53	185.26	-368.34	0.00	367.50	1849120.16	11888367.56	714.17
2800.00	55.00	296.7	2621.21	203.66	-404.93	0.00	404.00	1849083.57	11888385.96	685.50
2850.00	55.00	296.7	2649.88	222.06	-441.52	0.00	440.51	1849046.98	11888404.36	656.82
*** 12 DEGREE BUILD (at MD = 2869.50)										
2869.50	55.00	296.7	2661.07	229.24	-455.79	0.00	454.75	1849032.71	11888411.54	645.63
2900.00	57.82	293.9	2677.94	240.08	-478.76	12.00	477.66	1849009.74	11888422.38	628.76
2950.00	62.56	289.7	2702.80	256.14	-519.04	12.00	517.87	1848969.46	11888438.44	603.90
3000.00	67.42	285.8	2723.94	269.89	-562.18	12.00	560.95	1848926.32	11888452.19	582.76
3050.00	72.37	282.2	2741.12	281.20	-607.73	12.00	606.45	1848880.77	11888463.50	565.58
3100.00	77.38	278.7	2754.16	289.93	-655.18	12.00	653.86	1848833.32	11888472.23	552.54
3150.00	82.43	275.5	2762.92	296.00	-704.01	12.00	702.66	1848784.49	11888478.30	543.78
3200.00	87.51	272.2	2767.31	299.34	-753.68	12.00	752.31	1848734.82	11888481.64	539.39
*** LANDING POINT (at MD = 3239.23)										
3239.23	91.50	269.7	2767.64	300.01	-792.89	12.00	791.52	1848695.61	11888482.31	539.06
3250.00	91.50	269.7	2767.36	299.97	-803.66	0.00	802.29	1848684.84	11888482.27	539.34



# Kaiser 18-1H, Plan 1

<b>Operator</b> Redwood Operating LLC	<b>Units</b> feet, °/100ft	16:30 Thursday, November 19, 2020 Page 2 of 5
<b>Field</b> Red Lake	<b>County</b> Eddy	<b>Vertical Section Azimuth</b> 269.74
<b>Well Name</b> Kaiser 18-1H	<b>State</b> New Mexico	<b>Survey Calculation Method</b> Minimum Curvature
<b>Plan</b> 1	<b>Country</b> USA	<b>Database</b> Access

<b>Location</b> SL: 1950 FNL & 2008 FWL Section 18-T18S-R27E BHL: 1650 FNL & 1 FWL Section 13-T18S-26E	<b>Map Zone</b> UTM	<b>Lat Long Ref</b>
<b>Site</b>	<b>Surface X</b> 1849488.5	<b>Surface Long</b>
<b>Slot Name</b>	<b>Surface Y</b> 11888182.3	<b>Surface Lat</b>
<b>Well Number</b>	<b>Surface Z</b> 3306.7	<b>Global Z Ref</b> KB
<b>Project</b>	<b>Ground Level</b> 3288.7	<b>Local North Ref</b> Grid

## DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	°/100ft	ft	ft	ft	ft
3300.00	91.50	269.7	2766.05	299.74	-853.64	0.00	852.27	1848634.86	11888482.04	540.65
3350.00	91.50	269.7	2764.74	299.51	-903.62	0.00	902.25	1848584.88	11888481.81	541.96
3400.00	91.50	269.7	2763.44	299.29	-953.60	0.00	952.24	1848534.90	11888481.59	543.26
3450.00	91.50	269.7	2762.13	299.06	-1003.59	0.00	1002.22	1848484.91	11888481.36	544.57
3500.00	91.50	269.7	2760.82	298.83	-1053.57	0.00	1052.20	1848434.93	11888481.13	545.88
3550.00	91.50	269.7	2759.51	298.60	-1103.55	0.00	1102.19	1848384.95	11888480.90	547.19
3600.00	91.50	269.7	2758.20	298.38	-1153.53	0.00	1152.17	1848334.97	11888480.68	548.50
3650.00	91.50	269.7	2756.89	298.15	-1203.52	0.00	1202.15	1848284.98	11888480.45	549.81
3700.00	91.50	269.7	2755.58	297.92	-1253.50	0.00	1252.13	1848235.00	11888480.22	551.12
3750.00	91.50	269.7	2754.27	297.70	-1303.48	0.00	1302.12	1848185.02	11888480.00	552.43
3800.00	91.50	269.7	2752.96	297.47	-1353.46	0.00	1352.10	1848135.04	11888479.77	553.74
3850.00	91.50	269.7	2751.66	297.24	-1403.45	0.00	1402.08	1848085.05	11888479.54	555.04
3900.00	91.50	269.7	2750.35	297.02	-1453.43	0.00	1452.07	1848035.07	11888479.32	556.35
3950.00	91.50	269.7	2749.04	296.79	-1503.41	0.00	1502.05	1847985.09	11888479.09	557.66
4000.00	91.50	269.7	2747.73	296.56	-1553.39	0.00	1552.03	1847935.11	11888478.86	558.97
4050.00	91.50	269.7	2746.42	296.34	-1603.38	0.00	1602.01	1847885.13	11888478.64	560.28
4100.00	91.50	269.7	2745.11	296.11	-1653.36	0.00	1652.00	1847835.14	11888478.41	561.59
4150.00	91.50	269.7	2743.80	295.88	-1703.34	0.00	1701.98	1847785.16	11888478.18	562.90
4200.00	91.50	269.7	2742.49	295.66	-1753.32	0.00	1751.96	1847735.18	11888477.96	564.21
4250.00	91.50	269.7	2741.19	295.43	-1803.30	0.00	1801.95	1847685.20	11888477.73	565.52
4300.00	91.50	269.7	2739.88	295.20	-1853.29	0.00	1851.93	1847635.21	11888477.50	566.82
4350.00	91.50	269.7	2738.57	294.98	-1903.27	0.00	1901.91	1847585.23	11888477.28	568.13
4400.00	91.50	269.7	2737.26	294.75	-1953.25	0.00	1951.89	1847535.25	11888477.05	569.44
4450.00	91.50	269.7	2735.95	294.52	-2003.23	0.00	2001.88	1847485.27	11888476.82	570.75
4500.00	91.50	269.7	2734.64	294.30	-2053.22	0.00	2051.86	1847435.28	11888476.60	572.06
4550.00	91.50	269.7	2733.33	294.07	-2103.20	0.00	2101.84	1847385.30	11888476.37	573.37
4600.00	91.50	269.7	2732.02	293.84	-2153.18	0.00	2151.83	1847335.32	11888476.14	574.68
4650.00	91.50	269.7	2730.71	293.62	-2203.16	0.00	2201.81	1847285.34	11888475.92	575.99
4700.00	91.50	269.7	2729.41	293.39	-2253.15	0.00	2251.79	1847235.35	11888475.69	577.29
4750.00	91.50	269.7	2728.10	293.16	-2303.13	0.00	2301.77	1847185.37	11888475.46	578.60
4800.00	91.50	269.7	2726.79	292.93	-2353.11	0.00	2351.76	1847135.39	11888475.23	579.91
4850.00	91.50	269.7	2725.48	292.71	-2403.09	0.00	2401.74	1847085.41	11888475.01	581.22
4900.00	91.50	269.7	2724.17	292.48	-2453.08	0.00	2451.72	1847035.43	11888474.78	582.53
4950.00	91.50	269.7	2722.86	292.25	-2503.06	0.00	2501.71	1846985.44	11888474.55	583.84
5000.00	91.50	269.7	2721.55	292.03	-2553.04	0.00	2551.69	1846935.46	11888474.33	585.15
5050.00	91.50	269.7	2720.24	291.80	-2603.02	0.00	2601.67	1846885.48	11888474.10	586.46
5100.00	91.50	269.7	2718.93	291.57	-2653.00	0.00	2651.65	1846835.50	11888473.87	587.77



# Kaiser 18-1H, Plan 1

<b>Operator</b> Redwood Operating LLC	<b>Units</b> feet, °/100ft	16:30 Thursday, November 19, 2020 Page 3 of 5
<b>Field</b> Red Lake	<b>County</b> Eddy	<b>Vertical Section Azimuth</b> 269.74
<b>Well Name</b> Kaiser 18-1H	<b>State</b> New Mexico	<b>Survey Calculation Method</b> Minimum Curvature
<b>Plan</b> 1	<b>Country</b> USA	<b>Database</b> Access

<b>Location</b> SL: 1950 FNL & 2008 FWL Section 18-T18S-R27E BHL: 1650 FNL & 1 FWL Section 13-T18S-26E	<b>Map Zone</b> UTM	<b>Lat Long Ref</b>
<b>Site</b>	<b>Surface X</b> 1849488.5	<b>Surface Long</b>
<b>Slot Name</b>	<b>Surface Y</b> 11888182.3	<b>Surface Lat</b>
<b>Well Number</b>	<b>Surface Z</b> 3306.7	<b>Global Z Ref</b> KB
<b>Project</b>	<b>Ground Level</b> 3288.7	<b>Local North Ref</b> Grid

## DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
5150.00	91.50	269.7	2717.63	291.35	-2702.99	0.00	2701.64	1846785.51	11888473.65	589.07
5200.00	91.50	269.7	2716.32	291.12	-2752.97	0.00	2751.62	1846735.53	11888473.42	590.38
5250.00	91.50	269.7	2715.01	290.89	-2802.95	0.00	2801.60	1846685.55	11888473.19	591.69
5300.00	91.50	269.7	2713.70	290.67	-2852.93	0.00	2851.59	1846635.57	11888472.97	593.00
5350.00	91.50	269.7	2712.39	290.44	-2902.92	0.00	2901.57	1846585.58	11888472.74	594.31
5400.00	91.50	269.7	2711.08	290.21	-2952.90	0.00	2951.55	1846535.60	11888472.51	595.62
5450.00	91.50	269.7	2709.77	289.99	-3002.88	0.00	3001.53	1846485.62	11888472.29	596.93
5500.00	91.50	269.7	2708.46	289.76	-3052.86	0.00	3051.52	1846435.64	11888472.06	598.24
5550.00	91.50	269.7	2707.16	289.53	-3102.85	0.00	3101.50	1846385.65	11888471.83	599.55
5600.00	91.50	269.7	2705.85	289.31	-3152.83	0.00	3151.48	1846335.67	11888471.61	600.85
5650.00	91.50	269.7	2704.54	289.08	-3202.81	0.00	3201.47	1846285.69	11888471.38	602.16
5700.00	91.50	269.7	2703.23	288.85	-3252.79	0.00	3251.45	1846235.71	11888471.15	603.47
5750.00	91.50	269.7	2701.92	288.63	-3302.78	0.00	3301.43	1846185.73	11888470.93	604.78
5800.00	91.50	269.7	2700.61	288.40	-3352.76	0.00	3351.41	1846135.74	11888470.70	606.09
5850.00	91.50	269.7	2699.30	288.17	-3402.74	0.00	3401.40	1846085.76	11888470.47	607.40
5900.00	91.50	269.7	2697.99	287.94	-3452.72	0.00	3451.38	1846035.78	11888470.24	608.71
5950.00	91.50	269.7	2696.68	287.72	-3502.70	0.00	3501.36	1845985.80	11888470.02	610.02
6000.00	91.50	269.7	2695.38	287.49	-3552.69	0.00	3551.35	1845935.81	11888469.79	611.32
6050.00	91.50	269.7	2694.07	287.26	-3602.67	0.00	3601.33	1845885.83	11888469.56	612.63
6100.00	91.50	269.7	2692.76	287.04	-3652.65	0.00	3651.31	1845835.85	11888469.34	613.94
6150.00	91.50	269.7	2691.45	286.81	-3702.63	0.00	3701.29	1845785.87	11888469.11	615.25
6200.00	91.50	269.7	2690.14	286.58	-3752.62	0.00	3751.28	1845735.88	11888468.88	616.56
6250.00	91.50	269.7	2688.83	286.36	-3802.60	0.00	3801.26	1845685.90	11888468.66	617.87
6300.00	91.50	269.7	2687.52	286.13	-3852.58	0.00	3851.24	1845635.92	11888468.43	619.18
6350.00	91.50	269.7	2686.21	285.90	-3902.56	0.00	3901.23	1845585.94	11888468.20	620.49
6400.00	91.50	269.7	2684.90	285.68	-3952.55	0.00	3951.21	1845535.95	11888467.98	621.80
6450.00	91.50	269.7	2683.60	285.45	-4002.53	0.00	4001.19	1845485.97	11888467.75	623.10
6500.00	91.50	269.7	2682.29	285.22	-4052.51	0.00	4051.17	1845435.99	11888467.52	624.41
6550.00	91.50	269.7	2680.98	285.00	-4102.49	0.00	4101.16	1845386.01	11888467.30	625.72
6600.00	91.50	269.7	2679.67	284.77	-4152.48	0.00	4151.14	1845336.03	11888467.07	627.03
6650.00	91.50	269.7	2678.36	284.54	-4202.46	0.00	4201.12	1845286.04	11888466.84	628.34
6700.00	91.50	269.7	2677.05	284.32	-4252.44	0.00	4251.11	1845236.06	11888466.62	629.65
6750.00	91.50	269.7	2675.74	284.09	-4302.42	0.00	4301.09	1845186.08	11888466.39	630.96
6800.00	91.50	269.7	2674.43	283.86	-4352.40	0.00	4351.07	1845136.10	11888466.16	632.27
6850.00	91.50	269.7	2673.12	283.64	-4402.39	0.00	4401.05	1845086.11	11888465.94	633.58
6900.00	91.50	269.7	2671.82	283.41	-4452.37	0.00	4451.04	1845036.13	11888465.71	634.88
6950.00	91.50	269.7	2670.51	283.18	-4502.35	0.00	4501.02	1844986.15	11888465.48	636.19
7000.00	91.50	269.7	2669.20	282.95	-4552.33	0.00	4551.00	1844936.17	11888465.25	637.50



# Kaiser 18-1H, Plan 1

<b>Operator</b> Redwood Operating LLC	<b>Units</b> feet, °/100ft	16:30 Thursday, November 19, 2020 Page 4 of 5
<b>Field</b> Red Lake	<b>County</b> Eddy	<b>Vertical Section Azimuth</b> 269.74
<b>Well Name</b> Kaiser 18-1H	<b>State</b> New Mexico	<b>Survey Calculation Method</b> Minimum Curvature
<b>Plan</b> 1	<b>Country</b> USA	<b>Database</b> Access

<b>Location</b> SL: 1950 FNL & 2008 FWL Section 18-T18S-R27E BHL: 1650 FNL & 1 FWL Section 13-T18S-26E	<b>Map Zone</b> UTM	<b>Lat Long Ref</b>
<b>Site</b>	<b>Surface X</b> 1849488.5	<b>Surface Long</b>
<b>Slot Name</b>	<b>Surface Y</b> 11888182.3	<b>Surface Lat</b>
<b>Well Number</b>	<b>Surface Z</b> 3306.7	<b>Global Z Ref</b> KB
<b>Project</b>	<b>Ground Level</b> 3288.7	<b>Local North Ref</b> Grid

## DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	°/100ft	ft	ft	ft	ft
7050.00	91.50	269.7	2667.89	282.73	-4602.32	0.00	4600.99	1844886.18	11888465.03	638.81
7100.00	91.50	269.7	2666.58	282.50	-4652.30	0.00	4650.97	1844836.20	11888464.80	640.12
7150.00	91.50	269.7	2665.27	282.27	-4702.28	0.00	4700.95	1844786.22	11888464.57	641.43
7200.00	91.50	269.7	2663.96	282.05	-4752.26	0.00	4750.93	1844736.24	11888464.35	642.74
7250.00	91.50	269.7	2662.65	281.82	-4802.25	0.00	4800.92	1844686.25	11888464.12	644.05
7300.00	91.50	269.7	2661.35	281.59	-4852.23	0.00	4850.90	1844636.27	11888463.89	645.35
7350.00	91.50	269.7	2660.04	281.37	-4902.21	0.00	4900.88	1844586.29	11888463.67	646.66
7400.00	91.50	269.7	2658.73	281.14	-4952.19	0.00	4950.87	1844536.31	11888463.44	647.97
7450.00	91.50	269.7	2657.42	280.91	-5002.18	0.00	5000.85	1844486.33	11888463.21	649.28
7500.00	91.50	269.7	2656.11	280.69	-5052.16	0.00	5050.83	1844436.34	11888462.99	650.59
7550.00	91.50	269.7	2654.80	280.46	-5102.14	0.00	5100.81	1844386.36	11888462.76	651.90
7600.00	91.50	269.7	2653.49	280.23	-5152.12	0.00	5150.80	1844336.38	11888462.53	653.21
7650.00	91.50	269.7	2652.18	280.01	-5202.10	0.00	5200.78	1844286.40	11888462.31	654.52
7700.00	91.50	269.7	2650.87	279.78	-5252.09	0.00	5250.76	1844236.41	11888462.08	655.83
7750.00	91.50	269.7	2649.57	279.55	-5302.07	0.00	5300.75	1844186.43	11888461.85	657.13
7800.00	91.50	269.7	2648.26	279.33	-5352.05	0.00	5350.73	1844136.45	11888461.63	658.44
7850.00	91.50	269.7	2646.95	279.10	-5402.03	0.00	5400.71	1844086.47	11888461.40	659.75
7900.00	91.50	269.7	2645.64	278.87	-5452.02	0.00	5450.69	1844036.48	11888461.17	661.06
7950.00	91.50	269.7	2644.33	278.65	-5502.00	0.00	5500.68	1843986.50	11888460.95	662.37
8000.00	91.50	269.7	2643.02	278.42	-5551.98	0.00	5550.66	1843936.52	11888460.72	663.68
8050.00	91.50	269.7	2641.71	278.19	-5601.96	0.00	5600.64	1843886.54	11888460.49	664.99
8100.00	91.50	269.7	2640.40	277.96	-5651.95	0.00	5650.63	1843836.55	11888460.26	666.30
8150.00	91.50	269.7	2639.09	277.74	-5701.93	0.00	5700.61	1843786.57	11888460.04	667.61
8200.00	91.50	269.7	2637.79	277.51	-5751.91	0.00	5750.59	1843736.59	11888459.81	668.91
8250.00	91.50	269.7	2636.48	277.28	-5801.89	0.00	5800.57	1843686.61	11888459.58	670.22
8300.00	91.50	269.7	2635.17	277.06	-5851.87	0.00	5850.56	1843636.63	11888459.36	671.53
8350.00	91.50	269.7	2633.86	276.83	-5901.86	0.00	5900.54	1843586.64	11888459.13	672.84
8400.00	91.50	269.7	2632.55	276.60	-5951.84	0.00	5950.52	1843536.66	11888458.90	674.15
8450.00	91.50	269.7	2631.24	276.38	-6001.82	0.00	6000.51	1843486.68	11888458.68	675.46
8500.00	91.50	269.7	2629.93	276.15	-6051.80	0.00	6050.49	1843436.70	11888458.45	676.77
8550.00	91.50	269.7	2628.62	275.92	-6101.79	0.00	6100.47	1843386.71	11888458.22	678.08
8600.00	91.50	269.7	2627.32	275.70	-6151.77	0.00	6150.45	1843336.73	11888458.00	679.38
8650.00	91.50	269.7	2626.01	275.47	-6201.75	0.00	6200.44	1843286.75	11888457.77	680.69
8700.00	91.50	269.7	2624.70	275.24	-6251.73	0.00	6250.42	1843236.77	11888457.54	682.00
8750.00	91.50	269.7	2623.39	275.02	-6301.72	0.00	6300.40	1843186.78	11888457.32	683.31
8800.00	91.50	269.7	2622.08	274.79	-6351.70	0.00	6350.39	1843136.80	11888457.09	684.62
8850.00	91.50	269.7	2620.77	274.56	-6401.68	0.00	6400.37	1843086.82	11888456.86	685.93



# Kaiser 18-1H, Plan 1

<b>Operator</b> Redwood Operating LLC	<b>Units</b> feet, °/100ft	16:30 Thursday, November 19, 2020 Page 5 of 5
<b>Field</b> Red Lake	<b>County</b> Eddy	<b>Vertical Section Azimuth</b> 269.74
<b>Well Name</b> Kaiser 18-1H	<b>State</b> New Mexico	<b>Survey Calculation Method</b> Minimum Curvature
<b>Plan</b> 1	<b>Country</b> USA	<b>Database</b> Access

<b>Location</b> SL: 1950 FNL & 2008 FWL Section 18-T18S-R27E BHL: 1650 FNL & 1 FWL Section 13-T18S-26E	<b>Map Zone</b> UTM	<b>Lat Long Ref</b>
<b>Site</b>	<b>Surface X</b> 1849488.5	<b>Surface Long</b>
<b>Slot Name</b>	<b>Surface Y</b> 11888182.3	<b>Surface Lat</b>
<b>Well Number</b>	<b>Surface Z</b> 3306.7	<b>Global Z Ref</b> KB
<b>Project</b>	<b>Ground Level</b> 3288.7	<b>Local North Ref</b> Grid

## DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	°/100ft	ft	ft	ft	ft
8900.00	91.50	269.7	2619.46	274.34	-6451.66	0.00	6450.35	1843036.84	11888456.64	687.24
8950.00	91.50	269.7	2618.15	274.11	-6501.65	0.00	6500.33	1842986.85	11888456.41	688.55
9000.00	91.50	269.7	2616.84	273.88	-6551.63	0.00	6550.32	1842936.87	11888456.18	689.86
9050.00	91.50	269.7	2615.54	273.66	-6601.61	0.00	6600.30	1842886.89	11888455.96	691.16
9100.00	91.50	269.7	2614.23	273.43	-6651.59	0.00	6650.28	1842836.91	11888455.73	692.47
9150.00	91.50	269.7	2612.92	273.20	-6701.57	0.00	6700.27	1842786.93	11888455.50	693.78
9200.00	91.50	269.7	2611.61	272.97	-6751.56	0.00	6750.25	1842736.94	11888455.27	695.09
9250.00	91.50	269.7	2610.30	272.75	-6801.54	0.00	6800.23	1842686.96	11888455.05	696.40
9300.00	91.50	269.7	2608.99	272.52	-6851.52	0.00	6850.21	1842636.98	11888454.82	697.71
9350.00	91.50	269.7	2607.68	272.29	-6901.50	0.00	6900.20	1842587.00	11888454.59	699.02
9400.00	91.50	269.7	2606.37	272.07	-6951.49	0.00	6950.18	1842537.01	11888454.37	700.33
9450.00	91.50	269.7	2605.06	271.84	-7001.47	0.00	7000.16	1842487.03	11888454.14	701.64
9500.00	91.50	269.7	2603.76	271.61	-7051.45	0.00	7050.15	1842437.05	11888453.91	702.94
9550.00	91.50	269.7	2602.45	271.39	-7101.43	0.00	7100.13	1842387.07	11888453.69	704.25
9600.00	91.50	269.7	2601.14	271.16	-7151.42	0.00	7150.11	1842337.08	11888453.46	705.56
9650.00	91.50	269.7	2599.83	270.93	-7201.40	0.00	7200.09	1842287.10	11888453.23	706.87
9700.00	91.50	269.7	2598.52	270.71	-7251.38	0.00	7250.08	1842237.12	11888453.01	708.18
9750.00	91.50	269.7	2597.21	270.48	-7301.36	0.00	7300.06	1842187.14	11888452.78	709.49
9800.00	91.50	269.7	2595.90	270.25	-7351.35	0.00	7350.04	1842137.15	11888452.55	710.80
*** TD (at MD = 9812.23)										
9812.23	91.50	269.7	2595.58	270.20	-7363.57	0.00	7362.27	1842124.93	11888452.50	711.12