

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. 30-015-49488	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Elm Fee	
8. Well Number 2H	
9. OGRID Number 330211	
10. Pool name or Wildcat Red Lake; Glorieta- Yeso	

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 <u>J</u> : <u>2435</u> feet from the <u>South</u> line and <u>2080</u> feet from the <u>East</u> line Section <u>16</u> Township <u>18S</u> Range <u>26E</u> NMPM County <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3361.6' GR	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: <u>Change to APD</u> ☒		OTHER: ☐	

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 Elm Fee 2H APD-
 FTP- Unit E, Sec. 15 T18S R26E 1980 FNL 100 FWL Eddy
 LTP- Unit H, Sec. 15 T18S R26E 1980 FNL 100 FEL Eddy
 BHL- Unit H, Sec. 15 T18S R26E 1980 FNL 1 FEL Eddy

Surface- Drill 12 1/4" hole to 1230'. RIH w/ 9 5/8" csg, 36#, J-55 ST&C to 1230'. Cmt w/ 200sx Class C, Tail w/ 300sx Class C to Surface.
 Production- Drill 8 3/4" hole to 9684'. RIH w/ 7" csg, 26#, L-80 LTC to 0-1475', 7" csg, 26#, L-80 BTC to 1475-3575' 5 1/2" csg, 17#, L-80, BTC to 3575-9684'. Cmt w/ 175sx 50/50 POZ, Tail w/ 2150sx 50/50 POZ to surface.

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 Deana Weaver TITLE Regulatory Tech II DATE 4/19/2023

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): _____

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

¹ API Number 30-015-49488	² Pool Code 51120	³ Pool Name Red Lake; Glorieta- Yeso
⁴ Property Code 332796	⁵ Property Name ELM FEE	⁶ Well Number 2H
⁷ OGRID No. 330211	⁸ Operator Name REDWOOD OPERATING, LLC	⁹ Elevation 3361.6

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
J	16	18 S	26 E		2435	SOUTH	2080	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
H	15	18 S	26 E		1980	NORTH	1	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> 4/19/2023 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. MARCH 21, 2023 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor: NEW MEXICO SURVEYOR Certificate Number: LS 12797 Survey No. 9387C
--	--

Intent ☒ ☒ As Drilled ☐

API #		
Operator Name: REDWOOD OPERATING, LLC	Property Name: ELM FEE	Well Number 2H

Kick Off Point (KOP)

UL J	Section 16	Township 18S	Range 26E	Lot	Feet 2435	From N/S SOUTH	Feet 2080	From E/W EAST	County EDDY
Latitude 32.7473946					Longitude 104.3851448			NAD 83	

First Take Point (FTP)

UL E	Section 15	Township 18S	Range 26E	Lot	Feet 1980	From N/S NORTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.7498049					Longitude 104.3780394			NAD 83	

Last Take Point (LTP)

UL H	Section 15	Township 18S	Range 26E	Lot	Feet 1980	From N/S NORTH	Feet 100	From E/W EAST	County EDDY
Latitude 32.7497966					Longitude 104.3614232			NAD 83	

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

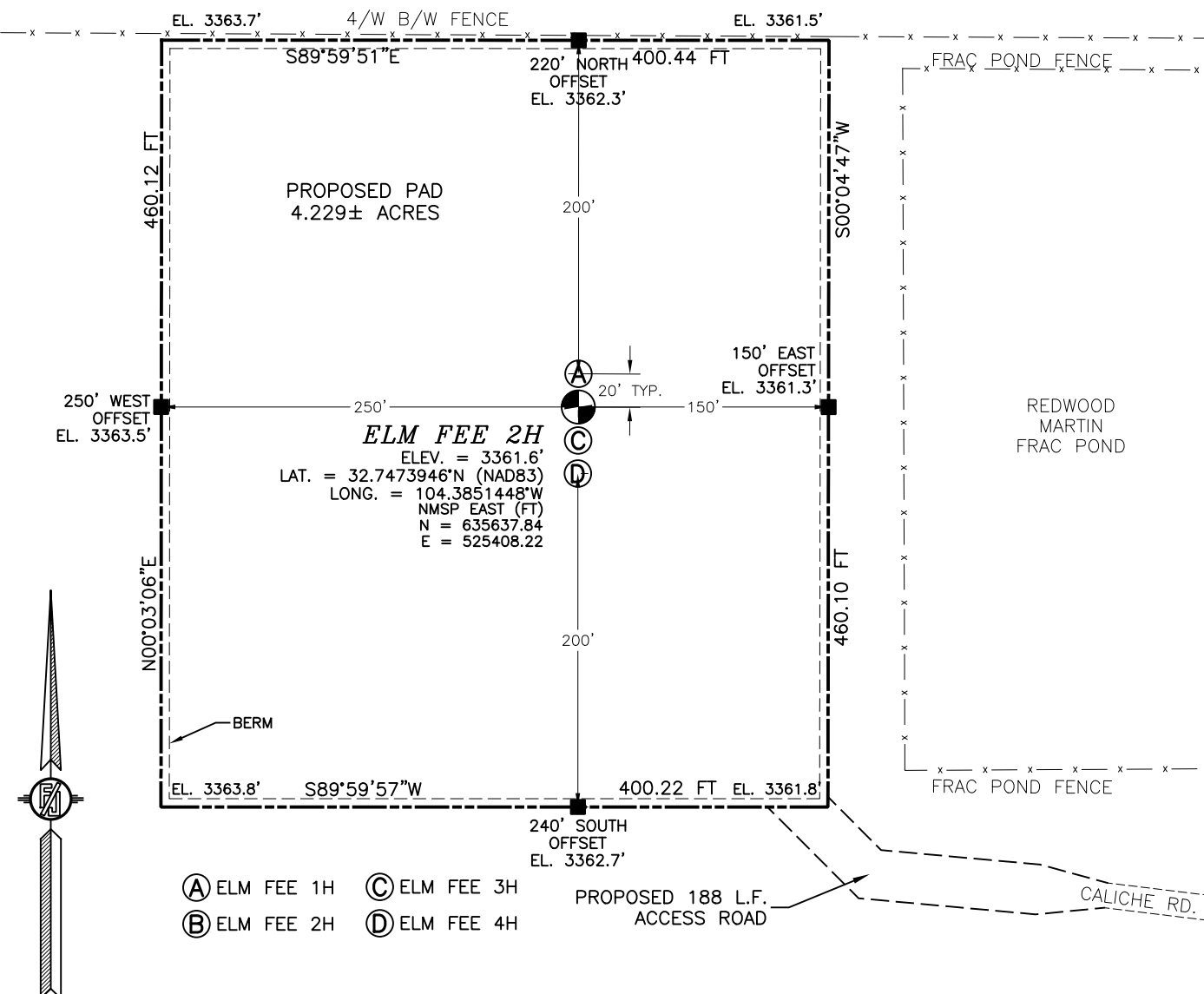
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

SECTION 16, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO SITE MAP

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. ELEVATION VALUES ARE NAVD88.



REDWOOD OPERATING, LLC
ELM FEE 2H

LOCATED 2435 FT. FROM THE SOUTH LINE
AND 2080 FT. FROM THE EAST LINE OF
SECTION 16, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 21, 2023

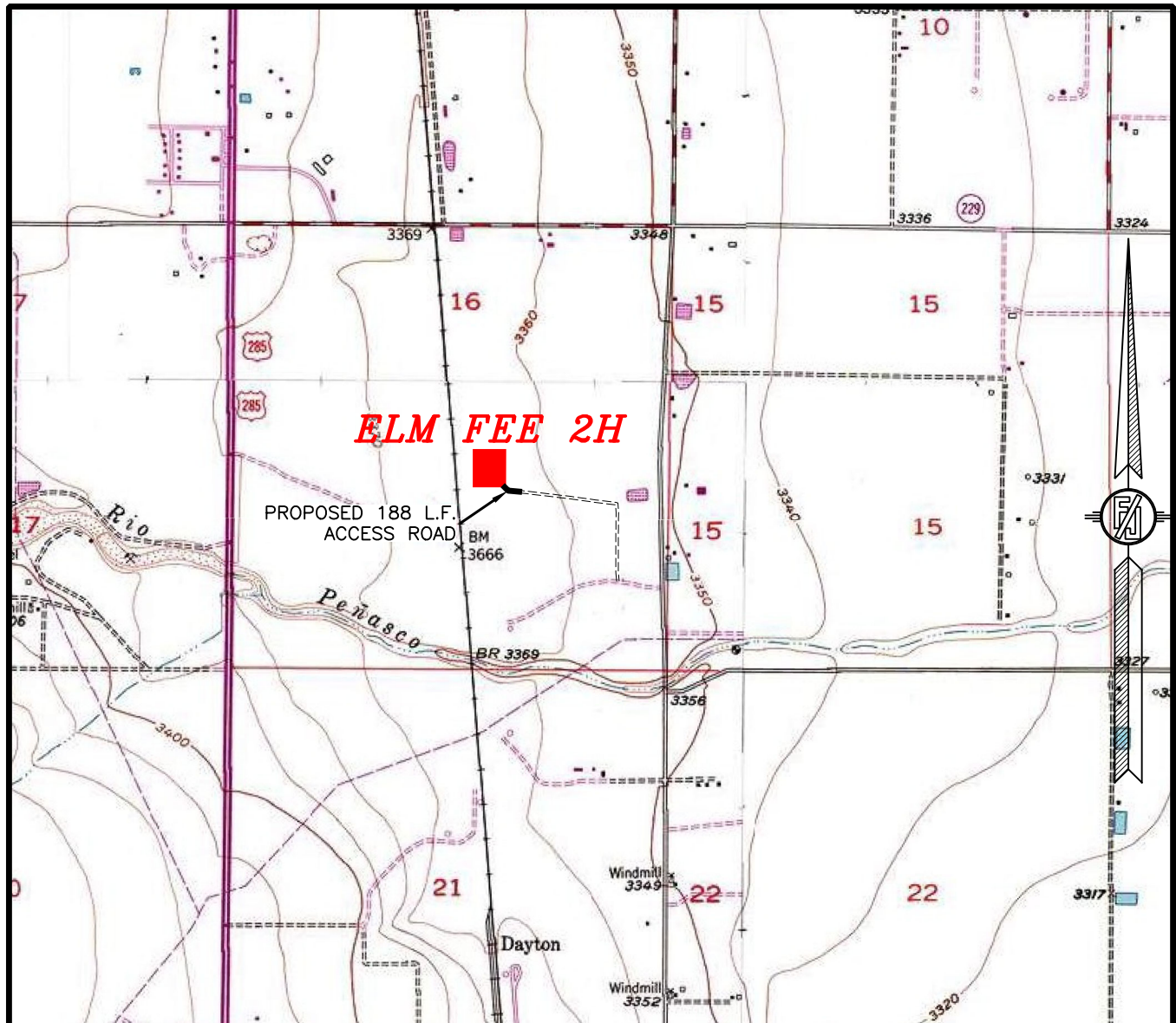
SURVEY NO. 9387C

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3347

CARLSBAD, NEW MEXICO

SECTION 16, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LOCATION VERIFICATION MAP



USGS QUAD MAP:
 DAYTON ARTESIA

NOT TO SCALE

REDWOOD OPERATING, LLC
ELM FEE 2H
 LOCATED 2435 FT. FROM THE SOUTH LINE
 AND 2080 FT. FROM THE EAST LINE OF
 SECTION 16, TOWNSHIP 18 SOUTH,
 RANGE 26 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

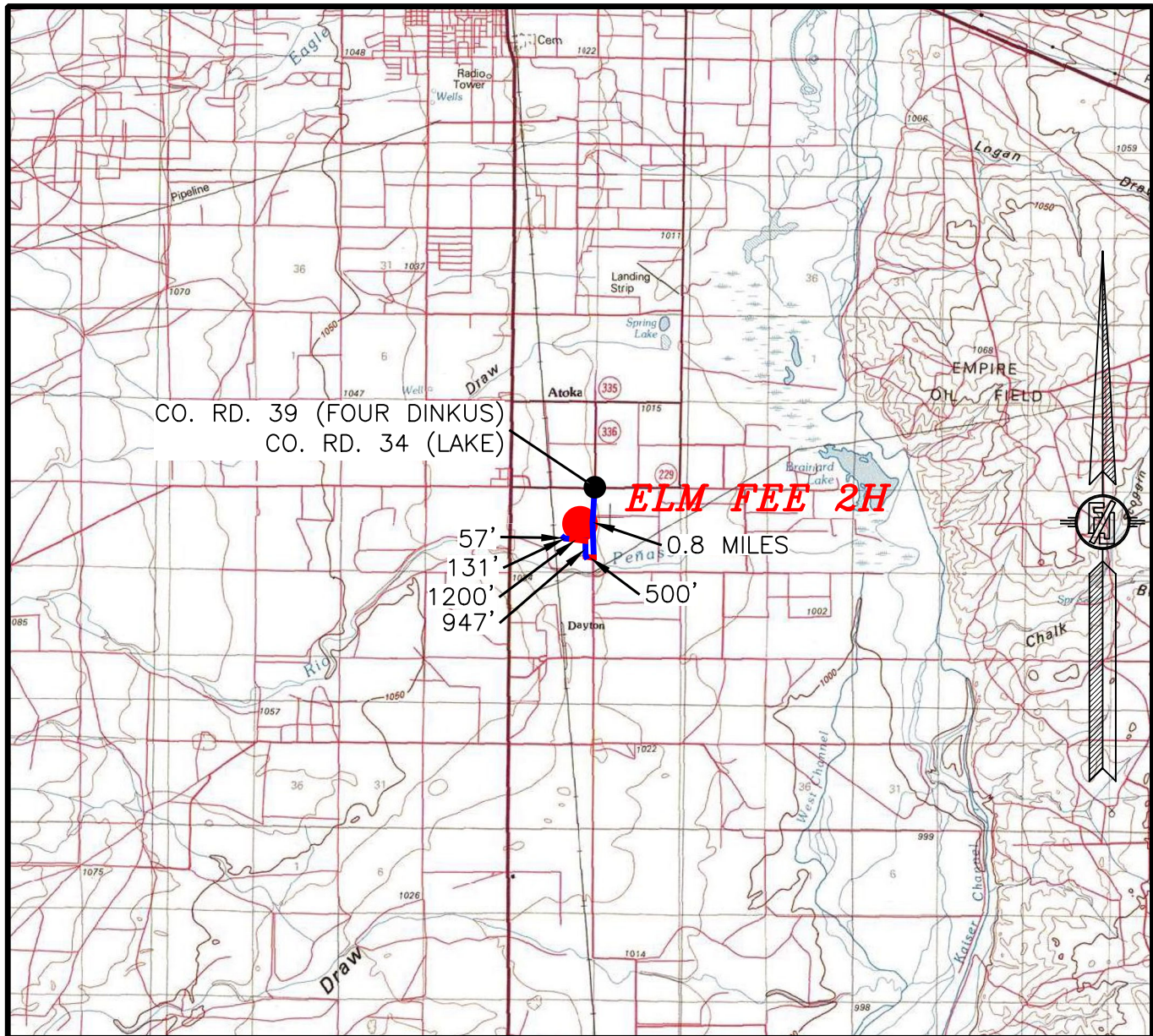
MARCH 21, 2023

MADRON SURVEYING, INC.

301 SOUTH CANAL
 (575) 234-3347

SURVEY NO. 9387C
 CARLSBAD, NEW MEXICO

SECTION 16, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CO. RD. 39 (FOUR DINKUS) & CO. RD. 34 (LAKE), GO SOUTH ON CO. RD. 34 APPROX. 0.8 MILES, TURN RIGHT (WEST) ON CALICHE ROAD AND GO APPROX. 500', TURN RIGHT (NORTH) AND GO APPROX. 974', TURN LEFT AND GO WEST APPROX 1200' TO A ROAD SURVEY, FOLLOW ROAD SURVEY WEST 131' THEN NORTHWEST 57' TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

REDWOOD OPERATING, LLC**ELM FEE 2H**

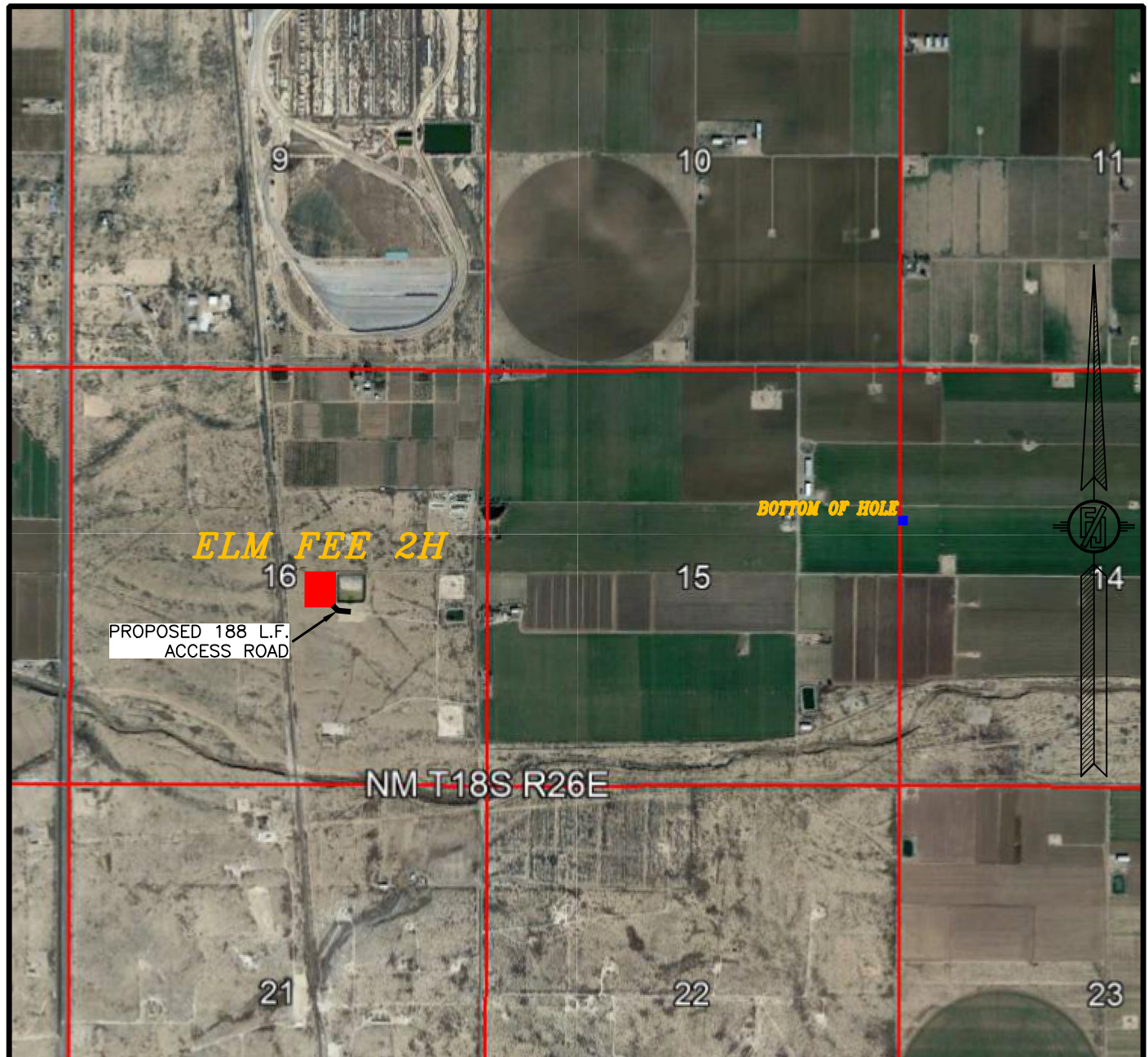
LOCATED 2435 FT. FROM THE SOUTH LINE
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 SECTION 16, TOWNSHIP 18 SOUTH,
 RANGE 26 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

MARCH 21, 2023

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3347

SURVEY NO. 9387C
CARLSBAD, NEW MEXICO

SECTION 16, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 AERIAL PHOTO



NOT TO SCALE
 AERIAL PHOTO:
 GOOGLE EARTH
 DEC. 2019

REDWOOD OPERATING, LLC
ELM FEE 2H
 LOCATED 2435 FT. FROM THE SOUTH LINE
 AND 2080 FT. FROM THE EAST LINE OF
 SECTION 16, TOWNSHIP 18 SOUTH,
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 EDDY COUNTY, STATE OF NEW MEXICO

MARCH 21, 2023

MADRON SURVEYING, INC.

301 SOUTH CANAL
 (575) 234-3347

SURVEY NO. 9387C
 CARLSBAD, NEW MEXICO

SECTION 16, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 AERIAL ACCESS ROUTE MAP



NOT TO SCALE
 AERIAL PHOTO:
 GOOGLE EARTH
 DEC. 2019

REDWOOD OPERATING, LLC
ELM FEE 2H
 LOCATED 2435 FT. FROM THE SOUTH LINE
 AND 2080 FT. FROM THE EAST LINE OF
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 RANGE 26 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

MARCH 21, 2023

MADRON SURVEYING, INC.

301 SOUTH CANAL
 (575) 234-3347

SURVEY NO. 9387C
 CARLSBAD, NEW MEXICO

Elm Fee #2H, Plan 1

Operator	Redwood Operating LLC			Units	feet, °/100ft		15:18 Tuesday, April 18, 2023 Page 1 of 5				
Field	Red Lake			County	Eddy		Vertical Section Azimuth		90.05		
Well Name	Elm Fee #2H			State	New Mexico		Survey Calculation Method		Minimum Curvature		
Plan	1			Country	USA		Database		Access		
Location		SL: 2435 FSL & 2080 FEL Section 16-T18S-R26E BHL: 1980 FNL & 1 FEL Section 15-T18S-R26E				Map Zone		UTM		Lat Long Ref	
Site						Surface X		1829539.6		Surface Long	
Slot Name						Surface Y		11887234.8		Surface Lat	
Well Number		2H				Surface Z		3379.6		Global Z Ref KB	
Project		MD/TVD Ref KB				Ground Level		3361.6		Local North Ref Grid	
DIRECTIONAL WELL PLAN											
MD*		INC*		AZI*		TVD*		N*		E*	
ft		deg		deg		ft		ft		ft	
*** TIE (at MD = 1477.00)											
1477.00		0.00		0.0		1477.00		0.00		0.00	
1500.00		0.00		0.0		1500.00		0.00		0.00	
1550.00		0.00		0.0		1550.00		0.00		0.00	
*** KOP 8 DEGREES (at MD = 1577.00)											
1577.00		0.00		0.0		1577.00		0.00		0.00	
1600.00		1.84		61.8		1600.00		0.17		0.33	
1650.00		5.84		61.8		1649.87		1.76		3.28	
1700.00		9.84		61.8		1699.40		4.98		9.29	
1750.00		13.84		61.8		1748.32		9.83		18.32	
1800.00		17.84		61.8		1796.41		16.27		30.35	
1850.00		21.84		61.8		1843.44		24.29		45.30	
1900.00		25.84		61.8		1889.16		33.84		63.11	
1950.00		29.84		61.8		1933.37		44.87		83.68	
2000.00		33.84		61.8		1975.83		57.33		106.93	
2050.00		37.84		61.8		2016.36		71.16		132.72	
2100.00		41.84		61.8		2054.74		86.30		160.95	
2150.00		45.84		61.8		2090.80		102.66		191.46	
2200.00		49.84		61.8		2124.35		120.17		224.12	
2250.00		53.84		61.8		2155.24		138.75		258.76	
2300.00		57.84		61.8		2183.31		158.29		295.22	
2350.00		61.84		61.8		2208.42		178.72		333.31	
*** 65 DEGREE TANGENT (at MD = 2389.50)											
2389.50		65.00		61.8		2226.10		195.41		364.44	
2400.00		65.00		61.8		2230.53		199.91		372.82	
2450.00		65.00		61.8		2251.66		221.32		412.76	
2500.00		65.00		61.8		2272.79		242.73		452.70	
2550.00		65.00		61.8		2293.93		264.15		492.63	
2600.00		65.00		61.8		2315.06		285.56		532.57	
2650.00		65.00		61.8		2336.19		306.97		572.51	
2700.00		65.00		61.8		2357.32		328.39		612.44	
2750.00		65.00		61.8		2378.45		349.80		652.38	
2800.00		65.00		61.8		2399.58		371.22		692.32	
2850.00		65.00		61.8		2420.71		392.63		732.25	
2900.00		65.00		61.8		2441.84		414.04		772.19	
2950.00		65.00		61.8		2462.97		435.46		812.13	
3000.00		65.00		61.8		2484.10		456.87		852.06	
3050.00		65.00		61.8		2505.23		478.29		892.00	

Elm Fee #2H, Plan 1

Operator	Redwood Operating LLC	Units	feet, °/100ft	15:18 Tuesday, April 18, 2023	Page 2 of 5
Field	Red Lake	County	Eddy	Vertical Section Azimuth	90.05
Well Name	Elm Fee #2H	State	New Mexico	Survey Calculation Method	Minimum Curvature
Plan	1	Country	USA	Database	Access
Location	SL: 2435 FSL & 2080 FEL Section 16-T18S-R26E BHL: 1980 FNL & 1 FEL Section 15-T18S-R26E			Map Zone	UTM
Site				Surface X	1829539.6
Slot Name		UWI		Surface Y	11887234.8
Well Number	2H	API		Surface Z	3379.6
Project		MD/TVD Ref	KB	Ground Level	3361.6
				Local North Ref	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
3100.00	65.00	61.8	2526.37	499.70	931.94	0.00	931.50	1830471.54	11887734.50	853.23
3150.00	65.00	61.8	2547.50	521.11	971.87	0.00	971.42	1830511.47	11887755.91	832.10
3200.00	65.00	61.8	2568.63	542.53	1011.81	0.00	1011.33	1830551.41	11887777.33	810.97
3250.00	65.00	61.8	2589.76	563.94	1051.74	0.00	1051.25	1830591.34	11887798.74	789.84
3300.00	65.00	61.8	2610.89	585.35	1091.68	0.00	1091.17	1830631.28	11887820.15	768.71
3350.00	65.00	61.8	2632.02	606.77	1131.62	0.00	1131.09	1830671.22	11887841.57	747.58
3400.00	65.00	61.8	2653.15	628.18	1171.55	0.00	1171.01	1830711.15	11887862.98	726.45
3450.00	65.00	61.8	2674.28	649.60	1211.49	0.00	1210.92	1830751.09	11887884.40	705.32
3500.00	65.00	61.8	2695.41	671.01	1251.43	0.00	1250.84	1830791.03	11887905.81	684.19
*** BUILD 4 DEGREE (at MD = 3509.50)										
3509.50	65.00	61.8	2699.43	675.08	1259.02	0.00	1258.43	1830798.62	11887909.88	680.17
3550.00	65.98	63.2	2716.23	692.09	1291.70	4.00	1291.10	1830831.30	11887926.89	663.37
3600.00	67.20	64.9	2736.10	712.14	1332.97	4.00	1332.35	1830872.57	11887946.94	643.50
3650.00	68.45	66.6	2754.97	731.12	1375.20	4.00	1374.56	1830914.80	11887965.92	624.63
3700.00	69.71	68.3	2772.83	749.02	1418.33	4.00	1417.68	1830957.93	11887983.82	606.77
3750.00	70.98	69.9	2789.65	765.80	1462.33	4.00	1461.66	1831001.93	11888000.60	589.95
3800.00	72.27	71.5	2805.41	781.45	1507.12	4.00	1506.44	1831046.72	11888016.25	574.19
3850.00	73.57	73.1	2820.09	795.95	1552.66	4.00	1551.96	1831092.26	11888030.75	559.51
3900.00	74.89	74.7	2833.68	809.28	1598.89	4.00	1598.18	1831138.49	11888044.08	545.92
3950.00	76.21	76.2	2846.16	821.42	1645.76	4.00	1645.04	1831185.36	11888056.22	533.44
4000.00	77.55	77.8	2857.51	832.36	1693.21	4.00	1692.48	1831232.81	11888067.16	522.09
4050.00	78.89	79.3	2867.71	842.09	1741.17	4.00	1740.44	1831280.77	11888076.89	511.89
4100.00	80.24	80.8	2876.77	850.60	1789.60	4.00	1788.86	1831329.20	11888085.40	502.83
4150.00	81.60	82.3	2884.66	857.87	1838.44	4.00	1837.69	1831378.04	11888092.67	494.94
4200.00	82.96	83.8	2891.38	863.89	1887.61	4.00	1886.86	1831427.21	11888098.69	488.22
4250.00	84.33	85.2	2896.91	868.66	1937.07	4.00	1936.31	1831476.67	11888103.46	482.69
4300.00	85.70	86.7	2901.26	872.18	1986.76	4.00	1985.99	1831526.36	11888106.98	478.34
4350.00	87.07	88.1	2904.41	874.43	2036.60	4.00	2035.84	1831576.20	11888109.23	475.19
4400.00	88.45	89.6	2906.37	875.41	2086.55	4.00	2085.79	1831626.15	11888110.21	473.23
*** LANDING POINT (at MD = 4415.70)										
4415.70	88.88	90.1	2906.73	875.46	2102.25	4.00	2101.48	1831641.85	11888110.26	472.87
4450.00	88.88	90.1	2907.40	875.43	2136.54	0.00	2135.78	1831676.14	11888110.23	472.20
4500.00	88.88	90.1	2908.38	875.39	2186.53	0.00	2185.77	1831726.13	11888110.19	471.22
4550.00	88.88	90.1	2909.36	875.35	2236.52	0.00	2235.76	1831776.12	11888110.15	470.24
4600.00	88.88	90.1	2910.34	875.30	2286.51	0.00	2285.75	1831826.11	11888110.10	469.26
4650.00	88.88	90.1	2911.31	875.26	2336.50	0.00	2335.74	1831876.10	11888110.06	468.29
4700.00	88.88	90.1	2912.29	875.22	2386.49	0.00	2385.73	1831926.09	11888110.02	467.31
4750.00	88.88	90.1	2913.27	875.17	2436.49	0.00	2435.72	1831976.09	11888109.97	466.33

Elm Fee #2H, Plan 1

Operator	Redwood Operating LLC	Units	feet, °/100ft	15:18 Tuesday, April 18, 2023	Page 3 of 5
Field	Red Lake	County	Eddy	Vertical Section Azimuth	90.05
Well Name	Elm Fee #2H	State	New Mexico	Survey Calculation Method	Minimum Curvature
Plan	1	Country	USA	Database	Access

Location	SL: 2435 FSL & 2080 FEL Section 16-T18S-R26E BHL: 1980 FNL & 1 FEL Section 15-T18S-R26E		Map Zone	UTM	Lat Long Ref
Site			Surface X	1829539.6	Surface Long
Slot Name		UWI	Surface Y	11887234.8	Surface Lat
Well Number	2H	API	Surface Z	3379.6	Global Z Ref KB
Project		MD/TVD Ref KB	Ground Level	3361.6	Local North Ref 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
4800.00	88.88	90.1	2914.24	875.13	2486.48	0.00	2485.71	1832026.08	11888109.93	465.36
4850.00	88.88	90.1	2915.22	875.08	2536.47	0.00	2535.70	1832076.07	11888109.88	464.38
4900.00	88.88	90.1	2916.20	875.04	2586.46	0.00	2585.69	1832126.06	11888109.84	463.40
4950.00	88.88	90.1	2917.18	875.00	2636.45	0.00	2635.68	1832176.05	11888109.80	462.42
5000.00	88.88	90.1	2918.15	874.95	2686.44	0.00	2685.67	1832226.04	11888109.75	461.45
5050.00	88.88	90.1	2919.13	874.91	2736.43	0.00	2735.66	1832276.03	11888109.71	460.47
5100.00	88.88	90.1	2920.11	874.87	2786.42	0.00	2785.65	1832326.02	11888109.67	459.49
5150.00	88.88	90.1	2921.09	874.82	2836.41	0.00	2835.64	1832376.01	11888109.62	458.51
5200.00	88.88	90.1	2922.06	874.78	2886.40	0.00	2885.63	1832426.00	11888109.58	457.54
5250.00	88.88	90.1	2923.04	874.74	2936.39	0.00	2935.62	1832475.99	11888109.54	456.56
5300.00	88.88	90.1	2924.02	874.69	2986.38	0.00	2985.62	1832525.98	11888109.49	455.58
5350.00	88.88	90.1	2925.00	874.65	3036.37	0.00	3035.61	1832575.97	11888109.45	454.61
5400.00	88.88	90.1	2925.97	874.60	3086.36	0.00	3085.60	1832625.96	11888109.40	453.63
5450.00	88.88	90.1	2926.95	874.56	3136.35	0.00	3135.59	1832675.95	11888109.36	452.65
5500.00	88.88	90.1	2927.93	874.52	3186.34	0.00	3185.58	1832725.94	11888109.32	451.67
5550.00	88.88	90.1	2928.90	874.47	3236.33	0.00	3235.57	1832775.93	11888109.27	450.70
5600.00	88.88	90.1	2929.88	874.43	3286.32	0.00	3285.56	1832825.92	11888109.23	449.72
5650.00	88.88	90.1	2930.86	874.39	3336.31	0.00	3335.55	1832875.91	11888109.19	448.74
5700.00	88.88	90.1	2931.84	874.34	3386.30	0.00	3385.54	1832925.90	11888109.14	447.76
5750.00	88.88	90.1	2932.81	874.30	3436.29	0.00	3435.53	1832975.89	11888109.10	446.79
5800.00	88.88	90.1	2933.79	874.26	3486.28	0.00	3485.52	1833025.88	11888109.06	445.81
5850.00	88.88	90.1	2934.77	874.21	3536.27	0.00	3535.51	1833075.87	11888109.01	444.83
5900.00	88.88	90.1	2935.75	874.17	3586.26	0.00	3585.50	1833125.86	11888108.97	443.85
5950.00	88.88	90.1	2936.72	874.12	3636.26	0.00	3635.49	1833175.86	11888108.92	442.88
6000.00	88.88	90.1	2937.70	874.08	3686.25	0.00	3685.48	1833225.85	11888108.88	441.90
6050.00	88.88	90.1	2938.68	874.04	3736.24	0.00	3735.47	1833275.84	11888108.84	440.92
6100.00	88.88	90.1	2939.65	873.99	3786.23	0.00	3785.46	1833325.83	11888108.79	439.95
6150.00	88.88	90.1	2940.63	873.95	3836.22	0.00	3835.45	1833375.82	11888108.75	438.97
6200.00	88.88	90.1	2941.61	873.91	3886.21	0.00	3885.44	1833425.81	11888108.71	437.99
6250.00	88.88	90.1	2942.59	873.86	3936.20	0.00	3935.43	1833475.80	11888108.66	437.01
6300.00	88.88	90.1	2943.56	873.82	3986.19	0.00	3985.42	1833525.79	11888108.62	436.04
6350.00	88.88	90.1	2944.54	873.78	4036.18	0.00	4035.41	1833575.78	11888108.58	435.06
6400.00	88.88	90.1	2945.52	873.73	4086.17	0.00	4085.41	1833625.77	11888108.53	434.08
6450.00	88.88	90.1	2946.50	873.69	4136.16	0.00	4135.40	1833675.76	11888108.49	433.10
6500.00	88.88	90.1	2947.47	873.64	4186.15	0.00	4185.39	1833725.75	11888108.44	432.13
6550.00	88.88	90.1	2948.45	873.60	4236.14	0.00	4235.38	1833775.74	11888108.40	431.15
6600.00	88.88	90.1	2949.43	873.56	4286.13	0.00	4285.37	1833825.73	11888108.36	430.17

Elm Fee #2H, Plan 1

Operator	Redwood Operating LLC	Units	feet, °/100ft	15:18 Tuesday, April 18, 2023	Page 4 of 5
Field	Red Lake	County	Eddy	Vertical Section Azimuth	90.05
Well Name	Elm Fee #2H	State	New Mexico	Survey Calculation Method	Minimum Curvature
Plan	1	Country	USA	Database	Access

Location	SL: 2435 FSL & 2080 FEL Section 16-T18S-R26E BHL: 1980 FNL & 1 FEL Section 15-T18S-R26E	Map Zone	UTM	Lat Long Ref	
Site		Surface X	1829539.6	Surface Long	
Slot Name		Surface Y	11887234.8	Surface Lat	
Well Number	2H	Surface Z	3379.6	Global Z Ref	KB
Project		Ground Level	3361.6	Local North Ref	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
6650.00	88.88	90.1	2950.41	873.51	4336.12	0.00	4335.36	1833875.72	11888108.31	429.19
6700.00	88.88	90.1	2951.38	873.47	4386.11	0.00	4385.35	1833925.71	11888108.27	428.22
6750.00	88.88	90.1	2952.36	873.43	4436.10	0.00	4435.34	1833975.70	11888108.23	427.24
6800.00	88.88	90.1	2953.34	873.38	4486.09	0.00	4485.33	1834025.69	11888108.18	426.26
6850.00	88.88	90.1	2954.31	873.34	4536.08	0.00	4535.32	1834075.68	11888108.14	425.29
6900.00	88.88	90.1	2955.29	873.30	4586.07	0.00	4585.31	1834125.67	11888108.10	424.31
6950.00	88.88	90.1	2956.27	873.25	4636.06	0.00	4635.30	1834175.66	11888108.05	423.33
7000.00	88.88	90.1	2957.25	873.21	4686.05	0.00	4685.29	1834225.65	11888108.01	422.35
7050.00	88.88	90.1	2958.22	873.16	4736.04	0.00	4735.28	1834275.64	11888107.96	421.38
7100.00	88.88	90.1	2959.20	873.12	4786.04	0.00	4785.27	1834325.64	11888107.92	420.40
7150.00	88.88	90.1	2960.18	873.08	4836.03	0.00	4835.26	1834375.63	11888107.88	419.42
7200.00	88.88	90.1	2961.16	873.03	4886.02	0.00	4885.25	1834425.62	11888107.83	418.44
7250.00	88.88	90.1	2962.13	872.99	4936.01	0.00	4935.24	1834475.61	11888107.79	417.47
7300.00	88.88	90.1	2963.11	872.95	4986.00	0.00	4985.23	1834525.60	11888107.75	416.49
7350.00	88.88	90.1	2964.09	872.90	5035.99	0.00	5035.22	1834575.59	11888107.70	415.51
7400.00	88.88	90.1	2965.07	872.86	5085.98	0.00	5085.21	1834625.58	11888107.66	414.53
7450.00	88.88	90.1	2966.04	872.82	5135.97	0.00	5135.20	1834675.57	11888107.62	413.56
7500.00	88.88	90.1	2967.02	872.77	5185.96	0.00	5185.19	1834725.56	11888107.57	412.58
7550.00	88.88	90.1	2968.00	872.73	5235.95	0.00	5235.19	1834775.55	11888107.53	411.60
7600.00	88.88	90.1	2968.97	872.68	5285.94	0.00	5285.18	1834825.54	11888107.48	410.63
7650.00	88.88	90.1	2969.95	872.64	5335.93	0.00	5335.17	1834875.53	11888107.44	409.65
7700.00	88.88	90.1	2970.93	872.60	5385.92	0.00	5385.16	1834925.52	11888107.40	408.67
7750.00	88.88	90.1	2971.91	872.55	5435.91	0.00	5435.15	1834975.51	11888107.35	407.69
7800.00	88.88	90.1	2972.88	872.51	5485.90	0.00	5485.14	1835025.50	11888107.31	406.72
7850.00	88.88	90.1	2973.86	872.47	5535.89	0.00	5535.13	1835075.49	11888107.27	405.74
7900.00	88.88	90.1	2974.84	872.42	5585.88	0.00	5585.12	1835125.48	11888107.22	404.76
7950.00	88.88	90.1	2975.82	872.38	5635.87	0.00	5635.11	1835175.47	11888107.18	403.78
8000.00	88.88	90.1	2976.79	872.34	5685.86	0.00	5685.10	1835225.46	11888107.14	402.81
8050.00	88.88	90.1	2977.77	872.29	5735.85	0.00	5735.09	1835275.45	11888107.09	401.83
8100.00	88.88	90.1	2978.75	872.25	5785.84	0.00	5785.08	1835325.44	11888107.05	400.85
8150.00	88.88	90.1	2979.73	872.20	5835.83	0.00	5835.07	1835375.43	11888107.00	399.87
8200.00	88.88	90.1	2980.70	872.16	5885.82	0.00	5885.06	1835425.42	11888106.96	398.90
8250.00	88.88	90.1	2981.68	872.12	5935.82	0.00	5935.05	1835475.42	11888106.92	397.92
8300.00	88.88	90.1	2982.66	872.07	5985.81	0.00	5985.04	1835525.41	11888106.87	396.94
8350.00	88.88	90.1	2983.63	872.03	6035.80	0.00	6035.03	1835575.40	11888106.83	395.97
8400.00	88.88	90.1	2984.61	871.99	6085.79	0.00	6085.02	1835625.39	11888106.79	394.99
8450.00	88.88	90.1	2985.59	871.94	6135.78	0.00	6135.01	1835675.38	11888106.74	394.01

Elm Fee #2H, Plan 1

Operator	Redwood Operating LLC	Units	feet, °/100ft	15:18 Tuesday, April 18, 2023	Page 5 of 5
Field	Red Lake	County	Eddy	Vertical Section Azimuth	90.05
Well Name	Elm Fee #2H	State	New Mexico	Survey Calculation Method	Minimum Curvature
Plan	1	Country	USA	Database	Access
Location	SL: 2435 FSL & 2080 FEL Section 16-T18S-R26E BHL: 1980 FNL & 1 FEL Section 15-T18S-R26E			Map Zone	UTM
Site				Surface X	1829539.6
Slot Name		UWI		Surface Y	11887234.8
Well Number	2H	API		Surface Z	3379.6
Project		MD/TVD Ref	KB	Ground Level	3361.6
				Local North Ref	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
8500.00	88.88	90.1	2986.57	871.90	6185.77	0.00	6185.00	1835725.37	11888106.70	393.03
8550.00	88.88	90.1	2987.54	871.86	6235.76	0.00	6234.99	1835775.36	11888106.66	392.06
8600.00	88.88	90.1	2988.52	871.81	6285.75	0.00	6284.98	1835825.35	11888106.61	391.08
8650.00	88.88	90.1	2989.50	871.77	6335.74	0.00	6334.98	1835875.34	11888106.57	390.10
8700.00	88.88	90.1	2990.48	871.73	6385.73	0.00	6384.97	1835925.33	11888106.53	389.12
8750.00	88.88	90.1	2991.45	871.68	6435.72	0.00	6434.96	1835975.32	11888106.48	388.15
8800.00	88.88	90.1	2992.43	871.64	6485.71	0.00	6484.95	1836025.31	11888106.44	387.17
8850.00	88.88	90.1	2993.41	871.59	6535.70	0.00	6534.94	1836075.30	11888106.39	386.19
8900.00	88.88	90.1	2994.38	871.55	6585.69	0.00	6584.93	1836125.29	11888106.35	385.22
8950.00	88.88	90.1	2995.36	871.51	6635.68	0.00	6634.92	1836175.28	11888106.31	384.24
9000.00	88.88	90.1	2996.34	871.46	6685.67	0.00	6684.91	1836225.27	11888106.26	383.26
9050.00	88.88	90.1	2997.32	871.42	6735.66	0.00	6734.90	1836275.26	11888106.22	382.28
9100.00	88.88	90.1	2998.29	871.38	6785.65	0.00	6784.89	1836325.25	11888106.18	381.31
9150.00	88.88	90.1	2999.27	871.33	6835.64	0.00	6834.88	1836375.24	11888106.13	380.33
9200.00	88.88	90.1	3000.25	871.29	6885.63	0.00	6884.87	1836425.23	11888106.09	379.35
9250.00	88.88	90.1	3001.23	871.25	6935.62	0.00	6934.86	1836475.22	11888106.05	378.37
9300.00	88.88	90.1	3002.20	871.20	6985.61	0.00	6984.85	1836525.21	11888106.00	377.40
9350.00	88.88	90.1	3003.18	871.16	7035.60	0.00	7034.84	1836575.20	11888105.96	376.42
9400.00	88.88	90.1	3004.16	871.11	7085.59	0.00	7084.83	1836625.19	11888105.91	375.44
9450.00	88.88	90.1	3005.14	871.07	7135.59	0.00	7134.82	1836675.19	11888105.87	374.46
9500.00	88.88	90.1	3006.11	871.03	7185.58	0.00	7184.81	1836725.18	11888105.83	373.49
9550.00	88.88	90.1	3007.09	870.98	7235.57	0.00	7234.80	1836775.17	11888105.78	372.51
9600.00	88.88	90.1	3008.07	870.94	7285.56	0.00	7284.79	1836825.16	11888105.74	371.53
9650.00	88.88	90.1	3009.04	870.90	7335.55	0.00	7334.78	1836875.15	11888105.70	370.56
*** TD (at MD = 9683.70)										
9683.70	88.88	90.1	3009.70	870.87	7369.24	0.00	7368.48	1836908.84	11888105.67	369.90

District I
1625 N. French Dr., Hobbs, NM 88240
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District II
811 S. First St., Artesia, NM 88210
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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

CONDITIONS

Action 209012

CONDITIONS

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 209012
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	OCD requires that both strings of casing be cemented back to surface. If cement is not at the surface for the production, then a CBL is required to verify the TOC. A remedial cement job may be required based upon the CBL.	9/27/2023