

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 Kaiser-Francis Oil Company P.O. Box 21468, Tulsa, OK, 74121-1468		² OGRID Number 12361	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 0 25-45708	⁵ Pool Name Wildcat Upper Wolfcamp Oil Pool		⁶ Pool Code 98158
⁷ Property Code 5467	⁸ Property Name Red Hills Federal		⁹ Well Number 403H

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
K	31	25S	33E		2400	South	1815	West	Lea

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
N	6	26S	33E		131	South	2197	West	Lea
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 1/26/21		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
	Markwest Tornado GP, LLC 1515 Araphoe St., Suite 1600 Denver, CO 80202	G
	Plains Pipeline LP 333 Clay St., #1600 Houston, TX 77002	O

IV. Well Completion Data

²¹ Spud Date 8/6/19	²² Ready Date 2/3/21	²³ TD 19,802MD/ 12,235TVD	²⁴ PBTD 19,728MD/ 12,235TVD	²⁵ Perforations 12,440-19,718	²⁶ DHC, MC -	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
14 - 3/4		10 - 3/4		923		620 SXS
9 - 7/8		7 - 5/8		11,468		1,025 SXS
6 - 3/4		5 - 1/2		19,777		1,475 SXS

V. Well Test Data

³¹ Date New Oil 3/20/21	³² Gas Delivery Date 3/20/21	³³ Test Date 4/3/21	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 3600
³⁷ Choke Size 22/64	³⁸ Oil 711	³⁹ Water 2558	⁴⁰ Gas 1607		⁴¹ Test Method

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: Eric Hansen		OIL CONSERVATION DIVISION	
Printed name: Eric Hansen		Approved by: KURT SIMMONS	
Title: Petroleum Engineer		Title: NMOCD, SANTA FE	
E-mail Address: EricH@kfoc.net		Approval Date: 09/08/2021	
Date: 4/13/21	Phone:918-491-4339		

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 30-025-45708	² Pool Code 98158	³ Pool Name Wildcat Upper Wolfcamp Oil Pool
⁴ Property Code 5467	⁵ Property Name RED HILLS	⁶ Well Number 403H
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL COMPANY	⁹ Elevation 3418.2

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
K	31	25 S	33 E		2400	SOUTH	1815	WEST	LEA

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
N	6	26 S	33 E		131	SOUTH	2197	WEST	LEA
¹² Dedicated Acres 478.8	¹³ Joint or Infill infill	¹⁴ Consolidation Code	¹⁵ Order No. R-20051						

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>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> Eric Hansen 4/13/21 Signature _____ Date _____ Eric Hansen Printed Name _____ EricH@kfoc.net E-mail Address _____
¹⁸ SURVEYOR CERTIFICATION <i>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.</i> FEBRUARY 17, 2021 Date of Survey _____ Signature and Seal of Professional Surveyor: _____ Certificate Number: 12797		

Intent ☐ As Drilled ☒

API # 30-025-45708		
Operator Name: KAISER-FRANCIS OIL COMPANY	Property Name: RED HILLS	Well Number 403H

Kick Off Point (KOP)

UL K	Section 31	Township 25S	Range 33E	Lot	Feet 2594	From N/S SOUTH	Feet 1946	From E/W EAST	County LEA
Latitude 32.0869235					Longitude 103.6136393				NAD 83

First Take Point (FTP)

UL K	Section 31	Township 25S	Range 33E	Lot	Feet 2177	From N/S SOUTH	Feet 2033	From E/W WEST	County LEA
Latitude 32.0857785					Longitude 103.6133529				NAD 83

Last Take Point (LTP)

UL N	Section 6	Township 26S	Range 33E	Lot	Feet 214	From N/S SOUTH	Feet 2209	From E/W WEST	County LEA
Latitude 32.0658839					Longitude 103.6127113				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 # 30-025-45572		
Operator Name: Kaiser-Francis Oil Co	Property Name: Red Hills 401H	Well Number

KZ 06/29/2018

Kaiser-Francis Oil Company

Kaiser-Francis Oil Company

**Lea County, NM (NAD 83 NME)
(Red Hills) Sec-31_T-25-S_R-33-E
Red Hills #403H**

OWB

Design: AWB

Standard Survey Report

29 August, 2019



Kaiser-Francis Oil Company

Intrepid
Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills #403H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3441.2usft (Cactus 171)
Site:	(Red Hills) Sec-31_T-25-S_R-33-E	MD Reference:	KB @ 3441.2usft (Cactus 171)
Well:	Red Hills #403H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	(Red Hills) Sec-31_T-25-S_R-33-E		
Site Position:		Northing:	395,909.01 usft
From:	Map	Easting:	764,096.92 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 5' 11.010 N
		Longitude:	103° 36' 50.616 W
		Grid Convergence:	0.38 °

Well	Red Hills #403H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	08/29/19	6.72
			Dip Angle (°)
			59.90
			Field Strength (nT)
			47,626.19314786

Design	AWB		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			176.54

Survey Program	Date	08/29/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
150.0	19,802.0	Nexus MWD (OWB)	MWD	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
150.0	0.40	242.60	150.0	-0.2	-0.5	0.2	0.27	0.27	0.00
243.0	1.10	250.00	243.0	-0.7	-1.6	0.6	0.76	0.75	7.96
337.0	1.80	236.10	337.0	-1.8	-3.7	1.6	0.83	0.74	-14.79
430.0	1.90	234.50	429.9	-3.5	-6.1	3.2	0.12	0.11	-1.72
524.0	1.70	221.30	523.9	-5.5	-8.3	5.0	0.49	-0.21	-14.04
617.0	1.10	202.30	616.8	-7.4	-9.6	6.8	0.81	-0.65	-20.43
711.0	1.30	225.40	710.8	-8.9	-10.7	8.3	0.55	0.21	24.57
805.0	0.80	235.00	804.8	-10.1	-12.0	9.3	0.56	-0.53	10.21
873.0	0.40	334.30	872.8	-10.1	-12.5	9.3	1.40	-0.59	146.03

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Survey Report



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Site:	(Red Hills) Sec-31_T-25-S_R-33-E	MD Reference:	KB @ 3441.2usft (Cactus 171)
Well:	Red Hills #403H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	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)
992.0	0.30	319.50	991.8	-9.5	-12.8	8.7	0.11	-0.08	-12.44
1,179.0	3.30	39.80	1,178.7	-5.0	-9.7	4.4	1.74	1.60	42.94
1,367.0	4.00	50.40	1,366.3	3.3	-1.2	-3.4	0.52	0.37	5.64
1,554.0	4.10	48.90	1,552.8	11.9	8.9	-11.3	0.08	0.05	-0.80
1,741.0	3.90	52.80	1,739.4	20.1	19.0	-18.9	0.18	-0.11	2.09
1,930.0	3.80	53.10	1,928.0	27.8	29.1	-26.0	0.05	-0.05	0.16
2,119.0	4.20	44.40	2,116.5	36.5	38.9	-34.1	0.38	0.21	-4.60
2,308.0	4.70	30.00	2,304.9	48.1	47.7	-45.2	0.65	0.26	-7.62
2,497.0	4.80	29.90	2,493.3	61.7	55.5	-58.2	0.05	0.05	-0.05
2,687.0	2.90	26.70	2,682.9	72.9	61.6	-69.0	1.01	-1.00	-1.68
2,876.0	2.60	28.10	2,871.6	80.9	65.8	-76.8	0.16	-0.16	0.74
3,066.0	2.50	17.20	3,061.4	88.7	69.0	-84.4	0.26	-0.05	-5.74
3,255.0	2.20	6.30	3,250.3	96.2	70.6	-91.8	0.28	-0.16	-5.77
3,444.0	2.40	18.00	3,439.1	103.6	72.3	-99.1	0.27	0.11	6.19
3,634.0	3.20	25.60	3,628.9	112.2	75.8	-107.4	0.46	0.42	4.00
3,823.0	3.70	37.30	3,817.6	121.8	81.8	-116.6	0.46	0.26	6.19
4,013.0	2.90	41.20	4,007.3	130.3	88.6	-124.7	0.44	-0.42	2.05
4,202.0	2.50	63.20	4,196.0	135.7	95.5	-129.7	0.58	-0.21	11.64
4,391.0	3.00	74.00	4,384.8	139.0	103.9	-132.4	0.38	0.26	5.71
4,580.0	4.00	96.80	4,573.5	139.5	115.2	-132.3	0.90	0.53	12.06
4,769.0	3.60	98.50	4,762.1	137.9	127.6	-129.9	0.22	-0.21	0.90
4,959.0	2.80	59.80	4,951.8	139.3	137.5	-130.8	1.18	-0.42	-20.37
5,147.0	3.20	38.00	5,139.5	145.8	144.7	-136.8	0.64	0.21	-11.60
5,336.0	2.90	31.60	5,328.3	154.0	150.5	-144.6	0.24	-0.16	-3.39
5,525.0	2.50	9.00	5,517.1	162.1	153.6	-152.6	0.60	-0.21	-11.96
5,714.0	2.40	74.10	5,705.9	167.3	158.1	-157.5	1.40	-0.05	34.44
5,904.0	1.70	0.20	5,895.8	171.2	161.9	-161.1	1.33	-0.37	-38.89
6,093.0	1.50	352.70	6,084.8	176.5	161.6	-166.4	0.15	-0.11	-3.97
6,283.0	1.80	353.90	6,274.7	181.9	161.0	-171.9	0.16	0.16	0.63
6,471.0	2.00	350.00	6,462.6	188.1	160.1	-178.1	0.13	0.11	-2.07
6,660.0	1.90	334.60	6,651.5	194.1	158.2	-184.2	0.28	-0.05	-8.15
6,849.0	1.90	324.70	6,840.4	199.5	155.0	-189.8	0.17	0.00	-5.24
7,038.0	1.70	321.40	7,029.3	204.3	151.5	-194.8	0.12	-0.11	-1.75
7,227.0	1.30	325.00	7,218.2	208.2	148.5	-198.9	0.22	-0.21	1.90
7,416.0	1.30	312.70	7,407.2	211.4	145.7	-202.3	0.15	0.00	-6.51
7,606.0	1.70	330.70	7,597.1	215.4	142.7	-206.4	0.32	0.21	9.47
7,794.0	1.30	314.30	7,785.0	219.3	139.8	-210.4	0.31	-0.21	-8.72
7,983.0	0.70	286.00	7,974.0	221.1	137.2	-212.4	0.40	-0.32	-14.97
8,172.0	0.70	240.70	8,163.0	220.8	135.1	-212.3	0.29	0.00	-23.97
8,361.0	0.30	189.70	8,352.0	219.8	134.0	-211.3	0.30	-0.21	-26.98
8,551.0	0.80	198.50	8,542.0	218.0	133.5	-209.6	0.27	0.26	4.63
8,740.0	0.50	171.40	8,731.0	216.0	133.2	-207.5	0.22	-0.16	-14.34
8,928.0	0.50	183.10	8,919.0	214.4	133.2	-205.9	0.05	0.00	6.22
9,118.0	0.60	220.70	9,108.9	212.8	132.6	-204.4	0.19	0.05	19.79

Kaiser-Francis Oil Company

Intrepid
Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills #403H
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Well:	Red Hills #403H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	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)
9,306.0	1.00	247.10	9,296.9	211.4	130.4	-203.1	0.28	0.21	14.04
9,496.0	0.90	293.80	9,486.9	211.3	127.5	-203.3	0.40	-0.05	24.58
9,685.0	1.50	322.10	9,675.9	213.9	124.6	-206.0	0.44	0.32	14.97
9,874.0	2.00	303.70	9,864.8	217.7	120.4	-210.0	0.39	0.26	-9.74
10,063.0	1.10	301.50	10,053.7	220.5	116.1	-213.0	0.48	-0.48	-1.16
10,252.0	1.20	149.20	10,242.7	219.7	115.5	-212.3	1.18	0.05	-80.58
10,441.0	1.30	148.80	10,431.6	216.2	117.7	-208.7	0.05	0.05	-0.21
10,630.0	2.20	150.40	10,620.6	211.2	120.6	-203.5	0.48	0.48	0.85
10,819.0	2.20	163.30	10,809.4	204.5	123.4	-196.7	0.26	0.00	6.83
11,008.0	1.70	126.30	10,998.3	199.4	126.7	-191.4	0.70	-0.26	-19.58
11,196.0	0.20	135.50	11,186.3	197.5	129.2	-189.4	0.80	-0.80	4.89
11,386.0	1.30	184.50	11,376.3	195.1	129.2	-187.0	0.62	0.58	25.79
11,416.0	1.70	208.20	11,406.3	194.4	129.0	-186.3	2.43	1.33	79.00
11,543.0	2.20	215.00	11,533.2	190.8	126.7	-182.8	0.43	0.39	5.35
11,590.0	2.30	204.60	11,580.1	189.2	125.8	-181.2	0.89	0.21	-22.13
11,685.0	8.60	167.50	11,674.7	180.5	126.6	-172.5	7.27	6.63	-39.05
11,732.0	12.70	163.00	11,720.9	172.1	128.8	-164.0	8.89	8.72	-9.57
11,779.0	15.40	167.00	11,766.5	161.1	131.7	-152.8	6.10	5.74	8.51
11,826.0	18.20	168.90	11,811.5	147.8	134.6	-139.4	6.07	5.96	4.04
11,874.0	20.40	172.20	11,856.8	132.2	137.1	-123.6	5.11	4.58	6.88
11,921.0	24.20	173.40	11,900.2	114.5	139.4	-105.8	8.14	8.09	2.55
11,969.0	28.10	170.10	11,943.3	93.5	142.4	-84.8	8.67	8.13	-6.88
12,016.0	33.60	166.50	11,983.6	70.0	147.4	-60.9	12.34	11.70	-7.66
12,063.0	36.70	165.90	12,022.1	43.7	153.8	-34.3	6.64	6.60	-1.28
12,110.0	35.50	165.00	12,060.0	16.9	160.8	-7.2	2.79	-2.55	-1.91
12,157.0	36.90	162.20	12,098.0	-9.7	168.6	19.9	4.61	2.98	-5.96
12,195.0	40.70	163.00	12,127.6	-32.4	175.8	43.0	10.09	10.00	2.11
12,244.0	45.80	164.10	12,163.3	-64.6	185.2	75.7	10.52	10.41	2.24
12,300.0	51.00	165.90	12,200.4	-105.1	196.0	116.7	9.59	9.29	3.21
12,346.0	54.60	167.60	12,228.2	-140.7	204.4	152.8	8.36	7.83	3.70
12,440.0	68.60	169.80	12,272.8	-221.6	220.5	234.5	15.03	14.89	2.34
12,535.0	79.50	170.60	12,298.9	-311.5	236.0	325.2	11.50	11.47	0.84
12,585.0	85.90	172.00	12,305.3	-360.5	243.5	374.5	13.10	12.80	2.80
12,627.0	91.40	172.00	12,306.3	-402.1	249.3	416.4	13.10	13.10	0.00
12,722.0	92.00	170.30	12,303.4	-495.9	263.9	510.9	1.90	0.63	-1.79
12,816.0	92.50	170.20	12,299.7	-588.5	279.8	604.3	0.54	0.53	-0.11
12,910.0	92.40	168.40	12,295.7	-680.7	297.3	697.4	1.92	-0.11	-1.91
13,004.0	92.40	167.60	12,291.8	-772.6	316.8	790.3	0.85	0.00	-0.85
13,099.0	92.00	170.10	12,288.1	-865.7	335.2	884.4	2.66	-0.42	2.63
13,193.0	92.30	171.60	12,284.6	-958.5	350.1	977.9	1.63	0.32	1.60
13,287.0	90.30	172.80	12,282.5	-1,051.6	362.9	1,071.6	2.48	-2.13	1.28
13,382.0	91.30	173.30	12,281.2	-1,145.9	374.3	1,166.4	1.18	1.05	0.53
13,476.0	91.90	172.90	12,278.5	-1,239.1	385.6	1,260.2	0.77	0.64	-0.43

Kaiser-Francis Oil Company

Intrepid
Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills #403H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3441.2usft (Cactus 171)
Site:	(Red Hills) Sec-31_T-25-S_R-33-E	MD Reference:	KB @ 3441.2usft (Cactus 171)
Well:	Red Hills #403H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	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)
13,571.0	90.40	172.00	12,276.6	-1,333.3	398.1	1,354.9	1.84	-1.58	-0.95
13,665.0	91.20	172.60	12,275.3	-1,426.4	410.7	1,448.6	1.06	0.85	0.64
13,760.0	91.40	174.50	12,273.2	-1,520.8	421.4	1,543.5	2.01	0.21	2.00
13,854.0	90.90	174.20	12,271.3	-1,614.3	430.6	1,637.4	0.62	-0.53	-0.32
13,948.0	91.20	172.20	12,269.5	-1,707.7	441.8	1,731.2	2.15	0.32	-2.13
14,043.0	90.70	170.70	12,268.0	-1,801.6	455.9	1,825.8	1.66	-0.53	-1.58
14,137.0	89.60	169.70	12,267.7	-1,894.2	471.9	1,919.2	1.58	-1.17	-1.06
14,209.0	89.50	170.50	12,268.3	-1,965.1	484.3	1,990.8	1.12	-0.14	1.11
14,257.0	90.90	170.40	12,268.1	-2,012.5	492.2	2,038.5	2.92	2.92	-0.21
14,351.0	91.20	179.90	12,266.4	-2,106.0	500.2	2,132.4	10.11	0.32	10.11
14,446.0	92.10	182.60	12,263.7	-2,200.9	498.1	2,227.0	2.99	0.95	2.84
14,540.0	90.70	183.70	12,261.4	-2,294.8	492.9	2,320.3	1.89	-1.49	1.17
14,634.0	89.40	183.90	12,261.3	-2,388.6	486.7	2,413.6	1.40	-1.38	0.21
14,729.0	91.00	184.40	12,260.9	-2,483.3	479.8	2,507.7	1.76	1.68	0.53
14,918.0	89.60	181.10	12,260.0	-2,672.0	470.8	2,695.6	1.90	-0.74	-1.75
15,013.0	90.70	181.60	12,259.7	-2,767.0	468.5	2,790.3	1.27	1.16	0.53
15,107.0	91.30	181.20	12,258.1	-2,861.0	466.2	2,883.9	0.77	0.64	-0.43
15,202.0	92.80	181.10	12,254.7	-2,955.9	464.3	2,978.5	1.58	1.58	-0.11
15,296.0	86.20	179.00	12,255.5	-3,049.8	464.2	3,072.3	7.37	-7.02	-2.23
15,391.0	90.40	179.00	12,258.3	-3,144.8	465.9	3,167.1	4.42	4.42	0.00
15,485.0	93.00	178.80	12,255.5	-3,238.7	467.7	3,261.0	2.77	2.77	-0.21
15,580.0	92.70	179.70	12,250.8	-3,333.6	468.9	3,355.8	1.00	-0.32	0.95
15,674.0	90.10	179.50	12,248.5	-3,427.5	469.6	3,449.6	2.77	-2.77	-0.21
15,769.0	89.70	178.60	12,248.7	-3,522.5	471.2	3,544.5	1.04	-0.42	-0.95
15,863.0	89.40	177.80	12,249.4	-3,616.5	474.1	3,638.5	0.91	-0.32	-0.85
15,957.0	90.20	177.00	12,249.7	-3,710.4	478.4	3,732.5	1.20	0.85	-0.85
16,052.0	91.30	179.40	12,248.5	-3,805.3	481.4	3,827.4	2.78	1.16	2.53
16,241.0	91.10	179.10	12,244.5	-3,994.2	483.8	4,016.2	0.19	-0.11	-0.16
16,335.0	91.50	179.80	12,242.4	-4,088.2	484.7	4,110.0	0.86	0.43	0.74
16,430.0	90.80	182.20	12,240.5	-4,183.2	483.1	4,204.7	2.63	-0.74	2.53
16,524.0	91.20	181.00	12,238.9	-4,277.1	480.5	4,298.3	1.35	0.43	-1.28
16,618.0	90.90	180.80	12,237.1	-4,371.1	479.0	4,392.0	0.38	-0.32	-0.21
16,713.0	90.20	179.70	12,236.2	-4,466.1	478.6	4,486.8	1.37	-0.74	-1.16
16,808.0	90.90	179.00	12,235.3	-4,561.1	479.6	4,581.7	1.04	0.74	-0.74
16,902.0	90.80	178.70	12,233.9	-4,655.0	481.5	4,675.6	0.34	-0.11	-0.32
16,997.0	90.20	178.20	12,233.1	-4,750.0	484.1	4,770.6	0.82	-0.63	-0.53
17,186.0	90.30	178.60	12,232.3	-4,938.9	489.4	4,959.5	0.22	0.05	0.21
17,280.0	89.60	179.50	12,232.3	-5,032.9	490.9	5,053.4	1.21	-0.74	0.96
17,470.0	89.60	176.60	12,233.7	-5,222.8	497.4	5,243.3	1.53	0.00	-1.53
17,565.0	89.90	176.90	12,234.1	-5,317.6	502.8	5,338.3	0.45	0.32	0.32
17,659.0	89.70	176.50	12,234.4	-5,411.5	508.2	5,432.3	0.48	-0.21	-0.43
17,727.0	89.90	176.10	12,234.6	-5,479.3	512.6	5,500.3	0.66	0.29	-0.59
17,821.0	89.60	174.80	12,235.1	-5,573.0	520.0	5,594.3	1.42	-0.32	-1.38

Kaiser-Francis Oil Company

Intrepid
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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)
17,942.0	91.80	174.50	12,233.6	-5,693.5	531.3	5,715.2	1.84	1.82	-0.25
17,957.0	90.30	174.70	12,233.3	-5,708.4	532.7	5,730.2	10.09	-10.00	1.33
17,987.0	90.60	175.50	12,233.1	-5,738.3	535.3	5,760.1	2.85	1.00	2.67
18,011.0	89.60	175.80	12,233.0	-5,762.2	537.1	5,784.1	4.35	-4.17	1.25
18,034.0	89.40	176.60	12,233.2	-5,785.2	538.6	5,807.1	3.59	-0.87	3.48
18,062.0	90.20	177.90	12,233.3	-5,813.1	540.0	5,835.1	5.45	2.86	4.64
18,082.0	90.50	178.70	12,233.2	-5,833.1	540.6	5,855.1	4.27	1.50	4.00
18,105.0	89.90	179.60	12,233.1	-5,856.1	540.9	5,878.1	4.70	-2.61	3.91
18,125.0	90.40	180.70	12,233.1	-5,876.1	540.9	5,898.1	6.04	2.50	5.50
18,155.0	90.10	181.80	12,232.9	-5,906.1	540.2	5,928.0	3.80	-1.00	3.67
18,199.0	90.20	183.40	12,232.8	-5,950.1	538.2	5,971.7	3.64	0.23	3.64
18,246.0	90.00	184.80	12,232.7	-5,997.0	534.9	6,018.3	3.01	-0.43	2.98
18,294.0	89.80	185.40	12,232.8	-6,044.8	530.6	6,065.8	1.32	-0.42	1.25
18,388.0	90.50	186.60	12,232.6	-6,138.2	520.8	6,158.5	1.48	0.74	1.28
18,483.0	91.00	187.70	12,231.3	-6,232.5	508.9	6,251.9	1.27	0.53	1.16
18,578.0	88.80	187.80	12,231.5	-6,326.6	496.1	6,345.0	2.32	-2.32	0.11
18,672.0	88.80	185.60	12,233.5	-6,420.0	485.2	6,437.5	2.34	0.00	-2.34
18,767.0	90.20	182.80	12,234.3	-6,514.7	478.2	6,531.7	3.30	1.47	-2.95
18,861.0	90.00	179.10	12,234.1	-6,608.7	476.7	6,625.4	3.94	-0.21	-3.94
18,955.0	90.50	175.10	12,233.7	-6,702.5	481.4	6,719.4	4.29	0.53	-4.26
19,050.0	88.90	172.00	12,234.2	-6,796.9	492.1	6,814.2	3.67	-1.68	-3.26
19,144.0	90.50	174.00	12,234.7	-6,890.2	503.5	6,908.0	2.72	1.70	2.13
19,239.0	90.40	175.10	12,234.0	-6,984.8	512.6	7,003.0	1.16	-0.11	1.16
19,333.0	90.60	178.70	12,233.1	-7,078.6	517.6	7,096.9	3.84	0.21	3.83
19,427.0	89.00	182.90	12,233.5	-7,172.6	516.3	7,190.7	4.78	-1.70	4.47
19,510.0	89.62	187.93	12,234.5	-7,255.2	508.5	7,272.6	6.11	0.74	6.06
19,521.0	89.70	188.60	12,234.5	-7,266.0	506.9	7,283.4	6.11	0.75	6.06
19,616.0	90.20	193.90	12,234.6	-7,359.2	488.4	7,375.2	5.60	0.53	5.58
19,709.0	89.30	190.00	12,235.0	-7,450.2	469.1	7,464.9	4.30	-0.97	-4.19
19,719.0	89.30	189.60	12,235.2	-7,460.0	467.4	7,474.6	4.00	0.00	-4.00
19,802.0	89.30	186.10	12,236.2	-7,542.2	456.1	7,556.0	4.22	0.00	-4.22

Checked By: _____ Approved By: _____ Date: _____

Well Name: RED HILLS	Well Location: T25S / R33E / SEC 31 / NESW / 32.0863916 / -103.6140599	County or Parish/State: LEA / NM
Well Number: 403H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM015321, NMNM15321	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002545708	Well Status: Drilling Well	Operator: KAISER FRANCIS OIL COMPANY

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 04/16/2021	Time Sundry Submitted: 02:27
Date Operation Actually Began: 12/04/2020	

Actual Procedure: Completion began _12/04/20___ Completion finished _12/18/20___ 1.MIRU WL. 2.TCP Stage 1: 16,520'-16,642. Broke down perfs. 3.Stage frac lateral 9,393'-16,642' in 43 stages w/551,476 bbls fluid + 18,500,246# sand. 4.Drilled out plugs w/snubbing unit. 2/1/21

SR Attachments

Actual Procedure

Red_Hills_403H_WBD_20210416142500.pdf

Received by OCD: 8/10/2021 7:52:24 AM

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Well Name: RED HILLS	Well Location: T25S / R33E / SEC 31 / NESW / 32.0863916 / -103.6140599	County or Parish/State: LEA / NM
Well Number: 403H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM015321, NMNM15321	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002545708	Well Status: Drilling Well	Operator: KAISER FRANCIS OIL COMPANY

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: ERIC HANSEN	Signed on: APR 16, 2021 02:26 PM
Name: KAISER FRANCIS OIL COMPANY	
Title: Drilling Engineer	
Street Address: 6733 S. Yale Ave.	
City: Tulsa	State: OK
Phone: (918) 491-4339	
Email address: EricH@kfoc.net	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 04/30/2021
Signature: Jonathon Shepard	

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								1. WELL API NO. 30-025-45708		
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 Red Hills Federal		
								6. Well Number: 403H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator Kaiser-Francis Oil Company						9. OGRID 12361				
10. Address of Operator P.O. Box 21468, Tulsa, OK 74121-1468						11. Pool name or Wildcat Wildcat Upper Wolfcamp Oil Pool				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	K	31	25S	33E		2400	South	1815	West	Lea
BH:	N	6	26S	33E		131	South	2197	West	Lea
13. Date Spudded 8/6/19	14. Date T.D. Reached (date)		15. Date Rig Released (date)		16. Date Completed (Ready to Produce) (date)			17. Elevations (DF and RKB, RT, GR, etc.)		
18. Total Measured Depth of Well 19,802MD 12,235TVD			19. Plug Back Measured Depth 19,728MD 12,235TVD		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run (log)		
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,440-19,718								Wolfcamp		
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
10-3/4		40.5		923		14-3/4		620 SXS		-0-
7-5/8		29.7		11,468		9-7/8		1,025 SXS		-0-
5-1/2		20		19,777		6-3/4		1,475 SXS		-0-
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
None	-	-	-	-		None	-		-	
26. Perforation record (interval, size, and number) 12,440-19,718 # #						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,440-		372,968 bbls fluid +		
						19,718		21,865,821# sd		
28. PRODUCTION										
Date First Production 1		Production Method (Flowing, gas lift, pumping - Size and type pump) 1				Well Status (Prod. or Shut-in) 1				
Date of Test 1	Hours Tested 1	Choke Size 1	Prod'n For Test Period 1	Oil - Bbl 1	Gas - MCF 1	Water - Bbl. 1	Gas - Oil Ratio 1			
Flow Tubing Press. 1	Casing Pressure 1	Calculated 24-Hour Rate 1	Oil - Bbl. 1	Gas - MCF 1	Water - Bbl. 1	Oil Gravity - API - (Corr.) 1				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) 1								30. Test Witnessed By 1		
31. List Attachments C-104NW, C-102 As-Drilled w/HSU, C-103 Casing, C-103 Completion, Final Svy, WBD										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date:		
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 Printed Signature _____ Title _____ Date _____ Name Eric Hansen Petroleum Engineer E-mail Address EricH@kfoc.net										

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

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	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 4850	T. Morrison	
T. Drinkard	T. Bone Springs 1st 9980	T. Todilto	
T. Abo	T. Avalon 9185	T. Entrada	
T. Wolfcamp	T. 2 Bone Sprg 10540	T. Wingate	
T. Penn	T. 3 Bone Sprg 11745	T. Chinle	
T. Cisco (Bough C)	T. Wolfcamp 12260	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from 12,440 to 19,718
 No. 2, fromto.....
 No. 3, fromto.....
 No. 4, fromto.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, fromto.....feet.....
 No. 2, fromto.....feet.....
 No. 3, fromto.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
4850			Delaware				
9185			Avalon				
9980			1st Bone Sprg				
10540			2nd Bone Sprg				
10995			2nd Bone Sprg Lm				
11745			3rd Bone Sprg				
12260			Wolfcamp				

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 40658

ACKNOWLEDGMENTS

Operator: KAISER-FRANCIS OIL CO P.O. Box 21468 Tulsa, OK 74121	OGRID: 12361
	Action Number: 40658
	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.

District I
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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 40658

CONDITIONS

Operator: KAISER-FRANCIS OIL CO P.O. Box 21468 Tulsa, OK 74121	OGRID: 12361
	Action Number: 40658
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	9/8/2021