

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 - 025-46422	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 501H

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
3	31	25S	33E		2165	South	364	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
4	6	26S	33E		89	South	815	West	Lea
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date		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	G
	1515 Araphoe St., Suite 1600	
	Denver, CO 80202	
	Plains Pipeline LP	O
	333 Clay St., #1600	
	Houston, TX 77002	

IV. Well Completion Data

²¹ Spud Date 12/21/2019	²² Ready Date 1/30/2021	²³ TD 19841' MD/ 12459' TVD	²⁴ PBD 19710' MD/ 12458' TVD	²⁵ Perforations 12567 - 19677	²⁶ DHC, MC -	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
14 - 3/4		10 - 3/4		919		540 SX
9 - 7/8		7 - 5/8		11,554		1,320 SX
6 - 3/4		5 - 1/2		19,825		1,595 SX

V. Well Test Data

³¹ Date New Oil 2/4/2021	³² Gas Delivery Date 2/4/2021	³³ Test Date 3/25/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 3875
³⁷ Choke Size 24/64	³⁸ Oil 1188	³⁹ Water 3394	⁴⁰ Gas 2564		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: Erica Miles			OIL CONSERVATION DIVISION Approved by: Title: Approval Date: 		
Printed name: Erica Miles					
Title: Geosciences Technician					
E-mail Address: EricaM@kfoc.net					
Date: 5/14/2021		Phone:918-491-4548			

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
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46422	² Pool Code 98158	³ Pool Name Wildcat Upper Wolfcamp Oil Pool
⁴ Property Code 5467	⁵ Property Name RED HILLS	⁶ Well Number 501H
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL COMPANY	⁹ Elevation 3406.5

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
3	31	25 S	33 E		2165	SOUTH	364	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
4	6	26 S	33 E		89	SOUTH	815	WEST	LEA
¹² Dedicated Acres 478.8	¹³ Joint or 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.

SW CORNER SEC. 31 LAT. = 32.0943129°N LONG. = 103.6199197°W NMSP EAST (FT) N = 398778.60 E = 762263.04 W/4 CORNER SEC. 31 LAT. = 32.0870551°N LONG. = 103.6199216°W NMSP EAST (FT) N = 396138.31 E = 762279.92 SECTION CORNER LAT. = 32.0797982°N LONG. = 103.6198947°W NMSP EAST (FT) N = 393498.44 E = 762305.72 W/4 CORNER SEC. 6 LAT. = 32.0724271°N LONG. = 103.6198673°W NMSP EAST (FT) N = 390816.98 E = 762331.92 SW CORNER SEC. 6 LAT. = 32.0652928°N LONG. = 103.6198397°W NMSP EAST (FT) N = 388221.69 E = 762357.64		S89°33'55"W 2650.63 FT S89°36'15"W 2635.02 FT N/4 CORNER SEC. 31 LAT. = 32.0943196°N LONG. = 103.6113623°W NMSP EAST (FT) N = 398798.70 E = 764913.09 KICK OFF POINT 2348' FSL, 875' FWL LAT. = 32.0862492°N LONG. = 103.6170928°W FIRST TAKE POINT 2061' FSL, 845' FWL LAT. = 32.0854608°N LONG. = 103.6171879°W SEC. 31 RED HILLS 501H ELEV. = 3406.5' LAT. = 32.0857478°N (NAD83) LONG. = 103.6187417°W NMSP EAST (FT) N = 395665.15 E = 762648.51 AS-DRILLED 2633.99 FT QUARTER CORNER 2643.42 FT LAT. = 32.0797943°N LONG. = 103.6113923°W NMSP EAST (FT) N = 393514.54 E = 764939.16 LATITUDE AND LONGITUDE VALUES ARE NAD 83 STATE PLANE VALUES ARE NMSP EAST GRID SEC. 6 BOTTOM OF HOLE LAT. = 32.0655394°N LONG. = 103.6172089°W NMSP EAST (FT) N = 388316.79 E = 763172.03 LAST TAKE POINT 252' FSL, 797' FWL LAT. = 32.0659868°N LONG. = 103.6172716°W S/4 CORNER SEC. 6 LAT. = 32.0652983°N LONG. = 103.6028496°W NMSP EAST (FT) N = 388258.92 E = 767620.79		NE CORNER SEC. 31 LAT. = 32.0943209°N LONG. = 103.6028553°W NMSP EAST (FT) N = 398816.91 E = 767547.55 E/4 CORNER SEC. 31 LAT. = 32.0870695°N LONG. = 103.6028547°W NMSP EAST (FT) N = 396178.96 E = 767565.60 SECTION CORNER LAT. = 32.0797953°N LONG. = 103.6028596°W NMSP EAST (FT) N = 393532.70 E = 767582.02 E/4 CORNER SEC. 6 LAT. = 32.0725247°N LONG. = 103.6028542°W NMSP EAST (FT) N = 390887.75 E = 767601.57 SE CORNER SEC. 6 LAT. = 32.0652983°N LONG. = 103.6028496°W NMSP EAST (FT) N = 388258.92 E = 767620.79		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. 5/14/21 Signature _____ Date _____ Erica Miles Printed Name _____ EricaM@kfoc.net 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. FEBRUARY 17, 2021 Date of Survey _____ Signature and Seal of Professional Surveyor:  Certificate Number: 12797
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Intent ☐ As Drilled ☒

API # 30-025-46422		
Operator Name: KAISER-FRANCIS OIL COMPANY	Property Name: RED HILLS	Well Number 501H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
L	31	25S	33E	3	2348	SOUTH	875	WEST	LEA
Latitude 32.0862492					Longitude 103.6170928				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
L	31	25S	33E	3	2061	SOUTH	845	WEST	LEA
Latitude 32.0854608					Longitude 103.6171879				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	6	26S	33E	4	252	SOUTH	797	WEST	LEA
Latitude 32.0659868					Longitude 103.6172716				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 # 30-025-46422		
Operator Name: Kaiser-Francis Oil Company	Property Name: Red Hills Federal	Well Number 401H

KZ 06/29/2018



Kaiser-Francis Oil Company

Lea County, NM (NAD 83)

Sec 31-T25S-R33E

Red Hills 501H

Wellbore #1

Survey: Survey #1

Survey Report - Geographic

14 January, 2020

KAISER-FRANCIS OIL COMPANY

**PANTHER**

Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills 501H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3406.5+23 @ 3429.50usft
Site:	Sec 31-T25S-R33E	MD Reference:	3406.5+23 @ 3429.50usft
Well:	Red Hills 501H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Project	Lea County, NM (NAD 83)		
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 31-T25S-R33E			
Site Position:		Northing:		395,908.71 usft	
From:		Easting:		764,056.94 usft	
Position Uncertainty:		Slot Radius:		Grid Convergence:	
Map		13-3/16 "		0.38 °	
0.00 usft					

Well	Red Hills 501H					
Well Position	+N/-S	0.00 usft	Northing:	395,665.15 usft	Latitude:	32.085748
	+E/-W	0.00 usft	Easting:	762,648.50 usft	Longitude:	-103.618742
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,406.50 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	01/14/20	6.69	59.89	47,586.66541114

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	175.92	

Survey Program	Date	01/14/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
237.00	19,841.00	Survey #1 (Wellbore #1)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	395,665.15	762,648.50	32.085748	-103.618742
237.00	0.40	24.20	237.00	0.75	0.34	395,665.90	762,648.84	32.085750	-103.618741
1st MWD Survey									
330.00	0.50	14.50	330.00	1.44	0.57	395,666.59	762,649.08	32.085752	-103.618740
423.00	0.70	329.40	422.99	2.33	0.39	395,667.47	762,648.89	32.085754	-103.618741
517.00	0.80	329.30	516.98	3.38	-0.24	395,668.53	762,648.26	32.085757	-103.618743
611.00	0.80	337.00	610.97	4.55	-0.83	395,669.70	762,647.67	32.085760	-103.618745
705.00	1.10	163.30	704.97	4.29	-0.83	395,669.44	762,647.67	32.085760	-103.618745
798.00	1.70	160.80	797.94	2.13	-0.12	395,667.28	762,648.38	32.085754	-103.618742
864.00	1.20	154.50	863.92	0.59	0.50	395,665.73	762,649.00	32.085749	-103.618740
983.00	1.70	159.20	982.88	-2.19	1.66	395,662.96	762,650.17	32.085742	-103.618737
1,077.00	1.40	167.20	1,076.85	-4.61	2.41	395,660.53	762,650.92	32.085735	-103.618734



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills 501H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3406.5+23 @ 3429.50usft
Site:	Sec 31-T25S-R33E	MD Reference:	3406.5+23 @ 3429.50usft
Well:	Red Hills 501H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,170.00	1.40	164.20	1,169.82	-6.81	2.97	395,658.33	762,651.48	32.085729	-103.618732
1,264.00	1.40	164.00	1,263.79	-9.02	3.60	395,656.12	762,652.11	32.085723	-103.618730
1,358.00	1.50	160.60	1,357.76	-11.29	4.33	395,653.86	762,652.83	32.085717	-103.618728
1,451.00	1.60	166.30	1,450.73	-13.70	5.04	395,651.45	762,653.54	32.085710	-103.618726
1,545.00	1.60	167.50	1,544.69	-16.25	5.63	395,648.89	762,654.14	32.085703	-103.618724
1,638.00	1.90	169.30	1,637.65	-19.03	6.20	395,646.11	762,654.71	32.085695	-103.618722
1,732.00	1.80	172.70	1,731.60	-22.03	6.68	395,643.12	762,655.18	32.085687	-103.618721
1,825.00	2.10	174.10	1,824.54	-25.17	7.04	395,639.97	762,655.54	32.085679	-103.618720
1,920.00	2.20	179.80	1,919.48	-28.73	7.23	395,636.42	762,655.73	32.085669	-103.618719
2,014.00	2.10	180.50	2,013.41	-32.25	7.22	395,632.89	762,655.72	32.085659	-103.618719
2,109.00	2.20	176.90	2,108.34	-35.82	7.30	395,629.33	762,655.80	32.085649	-103.618719
2,203.00	2.20	175.10	2,202.27	-39.42	7.55	395,625.73	762,656.05	32.085639	-103.618718
2,298.00	2.20	178.10	2,297.20	-43.05	7.77	395,622.09	762,656.27	32.085629	-103.618718
2,392.00	2.40	182.70	2,391.13	-46.82	7.73	395,618.32	762,656.24	32.085619	-103.618718
2,487.00	2.30	182.40	2,486.05	-50.72	7.56	395,614.43	762,656.06	32.085608	-103.618719
2,581.00	2.50	179.60	2,579.97	-54.65	7.50	395,610.50	762,656.00	32.085597	-103.618719
2,675.00	2.30	180.30	2,673.88	-58.59	7.50	395,606.56	762,656.00	32.085587	-103.618719
2,770.00	2.30	180.70	2,768.81	-62.40	7.47	395,602.75	762,655.97	32.085576	-103.618719
2,864.00	2.60	180.30	2,862.72	-66.42	7.43	395,598.73	762,655.94	32.085565	-103.618719
2,959.00	2.90	181.80	2,957.61	-70.97	7.35	395,594.17	762,655.85	32.085553	-103.618720
3,053.00	2.50	176.90	3,051.51	-75.40	7.38	395,589.75	762,655.89	32.085540	-103.618720
3,148.00	2.30	138.70	3,146.43	-78.90	8.75	395,586.25	762,657.26	32.085531	-103.618715
3,242.00	3.00	105.30	3,240.33	-80.96	12.37	395,584.18	762,660.87	32.085525	-103.618704
3,336.00	4.70	90.20	3,334.12	-81.63	18.60	395,583.52	762,667.10	32.085523	-103.618684
3,431.00	6.50	72.80	3,428.67	-80.05	27.63	395,585.10	762,676.13	32.085527	-103.618654
3,525.00	8.20	61.90	3,521.90	-75.32	38.62	395,589.83	762,687.13	32.085540	-103.618619
3,619.00	8.60	57.60	3,614.89	-68.40	50.47	395,596.75	762,698.97	32.085559	-103.618580
3,714.00	8.10	56.20	3,708.88	-60.87	62.03	395,604.28	762,710.53	32.085579	-103.618543
3,808.00	9.80	59.80	3,801.74	-53.16	74.45	395,611.99	762,722.95	32.085600	-103.618503
3,902.00	9.50	61.70	3,894.41	-45.46	88.19	395,619.69	762,736.69	32.085621	-103.618458
3,996.00	8.40	59.90	3,987.26	-38.33	100.96	395,626.81	762,749.47	32.085641	-103.618417
4,090.00	9.70	58.70	4,080.09	-30.78	113.67	395,634.37	762,762.17	32.085661	-103.618376
4,185.00	9.90	63.30	4,173.70	-22.95	127.80	395,642.20	762,776.31	32.085682	-103.618330
4,279.00	9.70	69.50	4,266.34	-16.55	142.44	395,648.60	762,790.94	32.085700	-103.618282
4,373.00	9.10	69.30	4,359.07	-11.14	156.81	395,654.00	762,805.31	32.085714	-103.618236
4,468.00	9.00	78.70	4,452.90	-7.03	171.13	395,658.11	762,819.63	32.085725	-103.618190
4,562.00	10.10	81.50	4,545.59	-4.37	186.49	395,660.77	762,834.99	32.085732	-103.618140
4,657.00	10.50	77.50	4,639.06	-1.27	203.18	395,663.88	762,851.68	32.085741	-103.618086
4,751.00	9.90	64.80	4,731.59	4.03	218.85	395,669.17	762,867.36	32.085755	-103.618035
4,846.00	8.70	57.20	4,825.34	11.40	232.28	395,676.54	762,880.79	32.085775	-103.617992
4,940.00	9.80	58.60	4,918.12	19.42	245.09	395,684.56	762,893.59	32.085797	-103.617950
5,035.00	10.50	59.20	5,011.63	28.06	259.43	395,693.21	762,907.93	32.085820	-103.617904
5,129.00	10.40	58.50	5,104.07	36.88	274.02	395,702.02	762,922.52	32.085844	-103.617856
5,223.00	10.20	57.80	5,196.56	45.75	288.29	395,710.89	762,936.80	32.085868	-103.617810
5,318.00	10.10	56.60	5,290.07	54.82	302.37	395,719.96	762,950.87	32.085893	-103.617765
5,412.00	10.10	56.10	5,382.61	63.95	316.09	395,729.10	762,964.59	32.085918	-103.617720
5,507.00	9.60	53.50	5,476.21	73.31	329.37	395,738.45	762,977.87	32.085943	-103.617677
5,601.00	9.70	53.40	5,568.88	82.69	342.03	395,747.84	762,990.53	32.085969	-103.617636
5,695.00	9.60	53.00	5,661.55	92.13	354.64	395,757.28	763,003.15	32.085995	-103.617595
5,789.00	9.40	51.90	5,754.26	101.58	366.95	395,766.73	763,015.45	32.086020	-103.617555
5,884.00	8.70	51.10	5,848.08	110.88	378.64	395,776.03	763,027.15	32.086046	-103.617517
5,978.00	9.40	50.20	5,940.91	120.26	390.07	395,785.41	763,038.58	32.086071	-103.617480
6,072.00	9.70	49.70	6,033.61	130.30	402.01	395,795.44	763,050.51	32.086099	-103.617441
6,167.00	9.40	47.90	6,127.29	140.67	413.87	395,805.82	763,062.37	32.086127	-103.617403
6,261.00	9.20	47.60	6,220.05	150.89	425.11	395,816.03	763,073.62	32.086155	-103.617366



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills 501H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3406.5+23 @ 3429.50usft
Site:	Sec 31-T25S-R33E	MD Reference:	3406.5+23 @ 3429.50usft
Well:	Red Hills 501H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,356.00	9.00	47.10	6,313.86	161.07	436.17	395,826.21	763,084.67	32.086183	-103.617330
6,450.00	8.90	45.70	6,406.71	171.15	446.76	395,836.30	763,095.26	32.086210	-103.617296
6,544.00	9.00	45.70	6,499.57	181.36	457.22	395,846.51	763,105.73	32.086238	-103.617262
6,638.00	8.80	45.20	6,592.44	191.56	467.59	395,856.71	763,116.09	32.086266	-103.617228
6,733.00	7.50	53.60	6,686.48	200.37	477.73	395,865.51	763,126.24	32.086290	-103.617195
6,827.00	5.70	61.20	6,779.85	206.25	486.76	395,871.40	763,135.27	32.086306	-103.617166
6,922.00	4.40	67.30	6,874.48	209.93	494.26	395,875.08	763,142.76	32.086316	-103.617142
7,017.00	2.30	84.40	6,969.32	211.53	499.52	395,876.67	763,148.02	32.086320	-103.617125
7,111.00	1.50	130.90	7,063.27	210.91	502.33	395,876.05	763,150.83	32.086318	-103.617116
7,206.00	1.50	128.90	7,158.24	209.31	504.23	395,874.46	763,152.74	32.086314	-103.617109
7,300.00	1.70	151.90	7,252.20	207.31	505.85	395,872.45	763,154.35	32.086308	-103.617104
7,394.00	1.80	160.50	7,346.16	204.69	507.00	395,869.83	763,155.50	32.086301	-103.617101
7,489.00	1.80	164.80	7,441.11	201.84	507.89	395,866.99	763,156.39	32.086293	-103.617098
7,584.00	1.50	161.20	7,536.07	199.22	508.68	395,864.37	763,157.18	32.086286	-103.617095
7,679.00	1.50	159.30	7,631.04	196.88	509.52	395,862.03	763,158.02	32.086280	-103.617093
7,773.00	1.50	152.70	7,725.01	194.64	510.52	395,859.78	763,159.02	32.086274	-103.617089
7,867.00	1.50	150.60	7,818.98	192.47	511.69	395,857.62	763,160.19	32.086268	-103.617086
7,961.00	1.50	149.50	7,912.94	190.34	512.92	395,855.49	763,161.42	32.086262	-103.617082
8,056.00	1.80	141.90	8,007.90	188.10	514.47	395,853.24	763,162.97	32.086255	-103.617077
8,150.00	1.70	146.80	8,101.86	185.77	516.14	395,850.91	763,164.64	32.086249	-103.617071
8,245.00	1.70	151.10	8,196.82	183.35	517.59	395,848.50	763,166.10	32.086242	-103.617067
8,339.00	1.50	156.00	8,290.78	181.01	518.77	395,846.16	763,167.27	32.086236	-103.617063
8,433.00	1.50	158.90	8,384.75	178.74	519.71	395,843.88	763,168.21	32.086230	-103.617060
8,527.00	1.50	162.80	8,478.72	176.42	520.52	395,841.56	763,169.02	32.086223	-103.617058
8,628.00	1.50	158.70	8,579.68	173.92	521.39	395,839.07	763,169.89	32.086216	-103.617055
8,722.00	1.00	276.10	8,673.67	172.86	521.02	395,838.01	763,169.52	32.086213	-103.617056
8,816.00	1.60	285.90	8,767.65	173.31	518.94	395,838.45	763,167.45	32.086215	-103.617063
8,911.00	1.40	276.70	8,862.61	173.81	516.51	395,838.95	763,165.02	32.086216	-103.617071
9,005.00	1.40	274.90	8,956.59	174.04	514.23	395,839.18	763,162.73	32.086217	-103.617078
9,099.00	1.40	283.90	9,050.56	174.41	511.97	395,839.56	763,160.47	32.086218	-103.617085
9,194.00	1.10	292.00	9,145.54	175.03	510.00	395,840.18	763,158.50	32.086220	-103.617092
9,288.00	1.10	322.30	9,239.52	176.09	508.61	395,841.23	763,157.11	32.086223	-103.617096
9,383.00	1.50	324.10	9,334.49	177.81	507.32	395,842.96	763,155.83	32.086227	-103.617100
9,477.00	1.20	321.30	9,428.47	179.58	505.99	395,844.72	763,154.49	32.086232	-103.617104
9,572.00	1.20	321.00	9,523.45	181.13	504.74	395,846.27	763,153.24	32.086237	-103.617108
9,666.00	1.20	314.80	9,617.43	182.59	503.42	395,847.73	763,151.92	32.086241	-103.617113
9,761.00	0.90	301.20	9,712.41	183.67	502.08	395,848.82	763,150.58	32.086244	-103.617117
9,856.00	0.70	254.80	9,807.40	183.91	500.88	395,849.05	763,149.38	32.086244	-103.617121
9,950.00	0.50	251.30	9,901.40	183.63	499.94	395,848.77	763,148.44	32.086243	-103.617124
10,045.00	0.60	203.30	9,996.39	183.04	499.35	395,848.18	763,147.85	32.086242	-103.617126
10,139.00	0.30	188.50	10,090.39	182.34	499.12	395,847.49	763,147.62	32.086240	-103.617127
10,233.00	0.20	349.40	10,184.39	182.26	499.05	395,847.41	763,147.55	32.086240	-103.617127
10,328.00	0.30	6.00	10,279.39	182.67	499.05	395,847.82	763,147.55	32.086241	-103.617127
10,422.00	1.00	54.50	10,373.38	183.39	499.74	395,848.54	763,148.24	32.086243	-103.617124
10,516.00	1.40	59.00	10,467.36	184.46	501.39	395,849.60	763,149.89	32.086246	-103.617119
10,611.00	1.80	69.50	10,562.33	185.58	503.78	395,850.72	763,152.29	32.086249	-103.617111
10,705.00	1.60	86.80	10,656.28	186.17	506.48	395,851.31	763,154.98	32.086250	-103.617103
10,799.00	1.10	111.60	10,750.26	185.91	508.63	395,851.06	763,157.13	32.086250	-103.617096
10,894.00	1.30	162.90	10,845.24	184.54	509.79	395,849.69	763,158.29	32.086246	-103.617092
10,988.00	1.60	197.40	10,939.21	182.27	509.71	395,847.42	763,158.21	32.086240	-103.617092
11,083.00	1.80	207.50	11,034.17	179.68	508.63	395,844.83	763,157.13	32.086232	-103.617096
11,178.00	1.10	203.00	11,129.14	177.52	507.58	395,842.67	763,156.08	32.086227	-103.617099
11,272.00	0.70	188.90	11,223.13	176.12	507.14	395,841.27	763,155.64	32.086223	-103.617101
11,367.00	0.10	281.50	11,318.13	175.57	506.97	395,840.71	763,155.47	32.086221	-103.617101
11,462.00	1.10	1.40	11,413.12	176.49	506.91	395,841.64	763,155.41	32.086224	-103.617101

**PANTHER****Microsoft**

Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills 501H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3406.5+23 @ 3429.50usft
Site:	Sec 31-T25S-R33E	MD Reference:	3406.5+23 @ 3429.50usft
Well:	Red Hills 501H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,512.00	1.20	6.50	11,463.11	177.49	506.98	395,842.64	763,155.48	32.086226	-103.617101
11,591.00	1.50	12.40	11,542.09	179.33	507.30	395,844.47	763,155.80	32.086232	-103.617100
11,685.00	1.80	11.70	11,636.05	181.97	507.86	395,847.12	763,156.36	32.086239	-103.617098
11,779.00	1.60	18.30	11,730.01	184.67	508.57	395,849.81	763,157.07	32.086246	-103.617096
11,876.00	0.60	52.00	11,826.99	186.26	509.40	395,851.41	763,157.90	32.086251	-103.617093
11,913.00	1.80	180.10	11,863.98	185.80	509.55	395,850.95	763,158.05	32.086249	-103.617093
11,970.00	5.50	194.50	11,920.86	182.26	508.86	395,847.41	763,157.37	32.086240	-103.617095
12,015.00	7.80	195.50	11,965.55	177.23	507.51	395,842.38	763,156.01	32.086226	-103.617100
12,064.00	10.60	193.20	12,013.92	169.64	505.59	395,834.78	763,154.09	32.086205	-103.617106
12,095.00	12.00	193.50	12,044.32	163.73	504.18	395,828.87	763,152.69	32.086189	-103.617111
12,127.00	13.70	192.60	12,075.51	156.79	502.58	395,821.94	763,151.08	32.086170	-103.617116
12,158.00	16.90	190.90	12,105.41	148.78	500.93	395,813.93	763,149.43	32.086148	-103.617121
12,190.00	20.70	189.10	12,135.70	138.63	499.15	395,803.77	763,147.66	32.086120	-103.617127
12,221.00	23.90	189.70	12,164.38	127.03	497.23	395,792.17	763,145.73	32.086088	-103.617134
12,253.00	27.00	189.40	12,193.27	113.47	494.95	395,778.61	763,143.45	32.086051	-103.617141
12,282.00	30.80	187.70	12,218.65	99.61	492.88	395,764.75	763,141.38	32.086013	-103.617148
12,314.00	34.80	187.40	12,245.54	82.43	490.60	395,747.57	763,139.11	32.085965	-103.617156
12,345.00	37.90	187.00	12,270.51	64.20	488.30	395,729.35	763,136.81	32.085915	-103.617164
12,377.00	41.20	186.00	12,295.18	43.96	486.00	395,709.10	763,134.51	32.085860	-103.617172
12,408.00	43.60	184.10	12,318.07	23.14	484.17	395,688.28	763,132.67	32.085803	-103.617178
12,441.00	46.50	181.80	12,341.39	-0.18	482.98	395,664.97	763,131.48	32.085739	-103.617183
12,473.00	49.50	180.40	12,362.80	-23.95	482.53	395,641.19	763,131.03	32.085673	-103.617184
12,504.00	53.70	180.20	12,382.05	-48.24	482.41	395,616.90	763,130.91	32.085606	-103.617185
12,536.00	57.40	180.30	12,400.15	-74.62	482.29	395,590.52	763,130.79	32.085534	-103.617186
12,567.00	61.00	180.90	12,416.02	-101.25	482.01	395,563.90	763,130.51	32.085461	-103.617188
12,599.00	64.00	180.90	12,430.79	-129.62	481.56	395,535.52	763,130.07	32.085383	-103.617190
12,630.00	67.30	180.80	12,443.57	-157.86	481.14	395,507.29	763,129.65	32.085305	-103.617192
12,677.00	71.80	180.90	12,459.99	-201.88	480.49	395,463.26	763,128.99	32.085184	-103.617195
12,725.00	76.00	180.80	12,473.30	-247.98	479.81	395,417.16	763,128.31	32.085057	-103.617198
12,772.00	80.70	180.70	12,482.78	-294.00	479.21	395,371.15	763,127.71	32.084931	-103.617201
12,819.00	85.10	180.60	12,488.59	-340.62	478.68	395,324.52	763,127.18	32.084803	-103.617204
12,913.00	88.70	179.00	12,493.67	-434.47	479.01	395,230.68	763,127.51	32.084545	-103.617205
13,008.00	90.00	177.70	12,494.75	-529.42	481.74	395,135.73	763,130.24	32.084284	-103.617198
13,103.00	92.00	178.40	12,493.09	-624.34	484.97	395,040.80	763,133.48	32.084023	-103.617189
13,198.00	96.50	178.50	12,486.06	-719.02	487.54	394,946.12	763,136.04	32.083763	-103.617183
13,292.00	95.90	178.20	12,475.90	-812.43	490.23	394,852.71	763,138.73	32.083506	-103.617177
13,387.00	91.00	178.00	12,470.19	-907.18	493.37	394,757.97	763,141.87	32.083245	-103.617168
13,481.00	89.20	177.70	12,470.03	-1,001.11	496.90	394,664.04	763,145.40	32.082987	-103.617159
13,575.00	88.30	178.80	12,472.08	-1,095.04	499.77	394,570.11	763,148.27	32.082729	-103.617152
13,670.00	89.40	179.20	12,473.98	-1,190.01	501.42	394,475.14	763,149.93	32.082468	-103.617148
13,764.00	88.70	180.00	12,475.54	-1,283.99	502.08	394,381.16	763,150.58	32.082209	-103.617148
13,859.00	90.20	179.90	12,476.45	-1,378.98	502.16	394,286.16	763,150.67	32.081948	-103.617150
13,953.00	94.10	179.50	12,472.93	-1,472.90	502.65	394,192.25	763,151.16	32.081690	-103.617151
14,048.00	90.50	178.10	12,469.11	-1,567.78	504.64	394,097.37	763,153.15	32.081429	-103.617146
14,142.00	87.60	178.40	12,470.67	-1,661.71	507.51	394,003.43	763,156.02	32.081171	-103.617139
14,236.00	86.70	178.00	12,475.35	-1,755.55	510.46	393,909.60	763,158.97	32.080913	-103.617131
14,330.00	86.10	179.80	12,481.25	-1,849.34	512.26	393,815.80	763,160.77	32.080655	-103.617128
14,425.00	94.80	182.90	12,480.50	-1,944.21	510.03	393,720.93	763,158.53	32.080394	-103.617137
14,519.00	88.60	181.60	12,477.72	-2,038.05	506.34	393,627.10	763,154.85	32.080137	-103.617151
14,614.00	87.50	180.60	12,480.95	-2,132.97	504.52	393,532.17	763,153.02	32.079876	-103.617159
14,642.50	89.53	181.63	12,481.69	-2,161.46	503.97	393,503.69	763,152.47	32.079797	-103.617161
Cross Section Line 14642.5 MD/12481.69 TVD -2161.46 S 503.97 E N: 393503.6 E: 763152.4									
14,708.00	94.20	184.00	12,479.56	-2,226.82	500.75	393,438.32	763,149.26	32.079618	-103.617173
14,803.00	94.50	184.60	12,472.35	-2,321.28	493.65	393,343.87	763,142.16	32.079358	-103.617198
14,897.00	91.20	185.10	12,467.68	-2,414.81	485.72	393,250.33	763,134.22	32.079101	-103.617225



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills 501H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3406.5+23 @ 3429.50usft
Site:	Sec 31-T25S-R33E	MD Reference:	3406.5+23 @ 3429.50usft
Well:	Red Hills 501H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,991.00	91.20	183.90	12,465.71	-2,508.50	478.34	393,156.64	763,126.84	32.078844	-103.617251
15,086.00	88.90	179.10	12,465.62	-2,603.44	475.86	393,061.71	763,124.36	32.078583	-103.617261
15,180.00	89.80	178.00	12,466.69	-2,697.40	478.23	392,967.75	763,126.74	32.078325	-103.617256
15,275.00	89.80	174.60	12,467.02	-2,792.18	484.36	392,872.96	763,132.87	32.078064	-103.617238
15,369.00	90.90	175.00	12,466.45	-2,885.79	492.88	392,779.35	763,141.39	32.077807	-103.617212
15,463.00	89.80	177.40	12,465.87	-2,979.58	499.11	392,685.57	763,147.62	32.077549	-103.617194
15,558.00	91.90	178.90	12,464.47	-3,074.51	502.18	392,590.64	763,150.68	32.077288	-103.617186
15,653.00	92.60	176.70	12,460.74	-3,169.36	505.82	392,495.79	763,154.33	32.077027	-103.617177
15,747.00	88.90	176.50	12,459.50	-3,263.17	511.40	392,401.98	763,159.90	32.076769	-103.617161
15,842.00	89.60	179.40	12,460.75	-3,358.09	514.79	392,307.06	763,163.30	32.076508	-103.617152
15,936.00	90.40	181.20	12,460.75	-3,452.08	514.30	392,213.06	763,162.80	32.076250	-103.617155
16,030.00	92.10	183.40	12,458.70	-3,545.98	510.53	392,119.17	763,159.03	32.075992	-103.617170
16,124.00	91.40	183.80	12,455.83	-3,639.75	504.63	392,025.40	763,153.13	32.075734	-103.617191
16,219.00	89.70	182.90	12,454.92	-3,734.58	499.08	391,930.57	763,147.58	32.075473	-103.617211
16,313.00	88.80	182.90	12,456.15	-3,828.45	494.32	391,836.70	763,142.83	32.075215	-103.617228
16,408.00	89.50	184.20	12,457.56	-3,923.25	488.44	391,741.89	763,136.95	32.074955	-103.617249
16,502.00	93.50	182.60	12,455.09	-4,017.03	482.87	391,648.11	763,131.37	32.074697	-103.617269
16,596.00	91.60	179.80	12,450.91	-4,110.90	480.91	391,554.24	763,129.41	32.074439	-103.617277
16,690.00	92.40	178.50	12,447.63	-4,204.83	482.30	391,460.31	763,130.80	32.074181	-103.617275
16,785.00	91.10	178.70	12,444.73	-4,299.76	484.62	391,365.39	763,133.12	32.073920	-103.617269
16,880.00	88.20	176.80	12,445.31	-4,394.67	488.35	391,270.48	763,136.85	32.073659	-103.617259
16,975.00	92.00	177.00	12,445.14	-4,489.51	493.48	391,175.63	763,141.99	32.073398	-103.617245
17,069.00	87.70	175.80	12,445.39	-4,583.30	499.39	391,081.84	763,147.89	32.073140	-103.617228
17,163.00	88.50	177.40	12,448.51	-4,677.08	504.96	390,988.06	763,153.46	32.072882	-103.617212
17,257.00	92.40	178.90	12,447.77	-4,771.01	507.99	390,894.14	763,156.49	32.072624	-103.617204
17,352.00	92.30	178.80	12,443.87	-4,865.91	509.90	390,799.23	763,158.40	32.072363	-103.617200
17,446.00	94.70	179.10	12,438.14	-4,959.71	511.61	390,705.43	763,160.12	32.072105	-103.617196
17,540.00	94.70	179.40	12,430.43	-5,053.39	512.84	390,611.76	763,161.34	32.071848	-103.617194
17,634.00	91.20	178.70	12,425.60	-5,147.24	514.40	390,517.91	763,162.90	32.071590	-103.617191
17,728.00	92.80	179.00	12,422.32	-5,241.16	516.28	390,423.99	763,164.79	32.071332	-103.617187
17,823.00	91.30	179.70	12,418.92	-5,336.09	517.36	390,329.06	763,165.86	32.071071	-103.617186
17,917.00	91.70	181.40	12,416.46	-5,430.05	516.46	390,235.10	763,164.96	32.070813	-103.617191
18,011.00	93.30	182.80	12,412.36	-5,523.89	513.02	390,141.26	763,161.52	32.070555	-103.617204
18,105.00	93.60	184.20	12,406.70	-5,617.54	507.29	390,047.61	763,155.79	32.070297	-103.617224
18,199.00	87.90	180.90	12,405.47	-5,711.39	503.11	389,953.76	763,151.62	32.070039	-103.617240
18,293.00	89.30	181.10	12,407.77	-5,805.34	501.47	389,859.80	763,149.98	32.069781	-103.617247
18,388.00	88.70	181.40	12,409.42	-5,900.31	499.40	389,764.84	763,147.90	32.069520	-103.617256
18,482.00	87.60	183.10	12,412.46	-5,994.18	495.71	389,670.97	763,144.22	32.069262	-103.617270
18,577.00	87.10	182.40	12,416.85	-6,088.97	491.16	389,576.18	763,139.66	32.069002	-103.617287
18,671.00	86.50	181.70	12,422.10	-6,182.76	487.80	389,482.39	763,136.31	32.068744	-103.617299
18,765.00	87.40	181.50	12,427.10	-6,276.59	485.18	389,388.56	763,133.68	32.068486	-103.617310
18,860.00	89.70	182.30	12,429.50	-6,371.50	482.03	389,293.65	763,130.54	32.068225	-103.617322
18,954.00	89.50	181.10	12,430.16	-6,465.45	479.24	389,199.69	763,127.75	32.067967	-103.617333
19,049.00	85.90	178.40	12,433.97	-6,560.35	479.66	389,104.79	763,128.16	32.067706	-103.617334
19,143.00	88.10	179.80	12,438.89	-6,654.20	481.13	389,010.94	763,129.63	32.067448	-103.617331
19,237.00	87.20	178.90	12,442.75	-6,748.12	482.19	388,917.03	763,130.70	32.067190	-103.617330
19,332.00	87.50	178.80	12,447.14	-6,843.00	484.10	388,822.15	763,132.60	32.066929	-103.617326
19,427.00	88.40	178.50	12,450.54	-6,937.91	486.34	388,727.24	763,134.84	32.066668	-103.617320
19,521.00	89.60	178.00	12,452.18	-7,031.85	489.21	388,633.30	763,137.71	32.066410	-103.617313
19,615.00	87.70	173.80	12,454.39	-7,125.56	495.92	388,539.59	763,144.42	32.066152	-103.617293
19,709.00	88.30	172.90	12,457.67	-7,218.86	506.80	388,446.28	763,155.30	32.065896	-103.617260
19,777.00	89.80	172.60	12,458.80	-7,286.31	515.38	388,378.84	763,163.88	32.065710	-103.617234
Last MWD Survey 19777 MD/12458.80 TVD -7286.31 S 515.38 E N: 388378.8 E: 763163.8									
19,829.00	89.80	172.60	12,458.98	-7,337.88	522.08	388,327.27	763,170.58	32.065568	-103.617214
Cross 100' FSL 19829 MD/12458.98 TVD -7337.88 S 522.08 E N: 388327.2 E: 763170.5									



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills 501H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3406.5+23 @ 3429.50usft
Site:	Sec 31-T25S-R33E	MD Reference:	3406.5+23 @ 3429.50usft
Well:	Red Hills 501H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
19,841.00	89.80	172.60	12,459.02	-7,349.78	523.62	388,315.37	763,172.13	32.065536	-103.617209
PTB 19841 MD/12459.02 TVD -7349.78 S 523.62 E N: 388315.3 E: 763172.1									

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
237.00	237.00	0.75	0.34	1st MWD Survey	
14,642.50	12,481.69	-2,161.46	503.97	Cross Section Line 14642.5 MD/12481.69 TVD -2161.46 S 503.97 E N: 393503	
19,777.00	12,458.80	-7,286.31	515.38	Last MWD Survey 19777 MD/12458.80 TVD -7286.31 S 515.38 E N: 388378.8	
19,829.00	12,458.98	-7,337.88	522.08	Cross 100' FSL 19829 MD/12458.98 TVD -7337.88 S 522.08 E N: 388327.2 E:	
19,841.00	12,459.02	-7,349.78	523.62	PTB 19841 MD/12459.02 TVD -7349.78 S 523.62 E N: 388315.3 E: 763172.1	

Checked By: _____ Approved By: _____ Date: _____

Well Name: RED HILLS FEDERAL	Well Location: T25S / R33E / SEC 31 / LOT 3 / 32.0857478 / -103.6187417	County or Parish/State: LEA / NM
Well Number: 501H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM015321, NMNM15321	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546422	Well Status: Drilling Well	Operator: KAISER FRANCIS OIL COMPANY

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 04/22/2021	Time Sundry Submitted: 01:58
Date Operation Actually Began: 12/18/2020	

Actual Procedure: Completion began 12/18/20 Completion finished 1/5/21 1.MIRU WL. 2.TCP Stage 1: 19,555-19,677. Broke down perms. 3.Stage frac lateral 12,567-19,677 in 43 stages w/461,774 bbls fluid + 20,964,945# sand. 4.Drilled out plugs w/roller cone bit. Flowback well 2/2/21.

SR Attachments

Actual Procedure

Red_Hills_501H_WB_20210422135704.pdf

Received by OCD: 8/4/2022 11:46:50 AM

Page 12 of 17

Well Name: RED HILLS FEDERAL	Well Location: T25S / R33E / SEC 31 / LOT 3 / 32.0857478 / -103.6187417	County or Parish/State: LEA / NM
Well Number: 501H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM015321, NMNM15321	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546422	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: ERICA MILES	Signed on: APR 22, 2021 01:57 PM
Name: KAISER FRANCIS OIL COMPANY	
Title: Geosciences Technician	
Street Address: 6733 S YALE AVE	
City: TULSA	State: OK
Phone: (918) 491-4548	
Email address: ERICAM@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: 05/07/2021
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										
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: 501H		
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:	3	31	25S	33E		2165	South	364	West	Lea
BH:	4	6	26S	33E		89	South	815	West	Lea
13. Date Spudded	14. Date T.D. Reached		15. Date Rig Released		16. Date Completed (Ready to Produce)			17. Elevations (DF and RKB, RT, GR, etc.)		
12/21/2019	1/9/2020		1/11/2020		1/5/2021			3406 GR		
18. Total Measured Depth of Well			19. Plug Back Measured Depth		20. Was Directional Survey Made?			21. Type Electric and Other Logs Run		
19,841MD 12,459TVD			19,710MD 12,458TVD		Yes			GR		
22. Producing Interval(s), of this completion - Top, Bottom, Name										
12,567-19,677								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		919		14-3/4		540 SX		-0-
7-5/8		29.7		11,554		9-7/8		1,320 SX		-0-
5-1/2		20		19,825		6-3/4		1,595 SX		-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)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
12,567-19,677						DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED				
Size 0.42						12,567-				
# 1935						250,075 bbls fluid +				
						19,677				
						20,964,945# sd.				
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
2/4/2021		Flowing				Prod				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
3/25/2021	24	24/64		1188	2564	3394	2158			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
	3875		1188	2564	3394	47				
29. Disposition of Gas (Sold, used for fuel, vented, etc.)								30. Test Witnessed By		
Sold										
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				Name				Title		Date
Signature Erica Miles				Name Erica Miles				Title Geosciences Technician		Date 9/7/2021
E-mail Address EricaM@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	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	

OIL OR GAS SANDS OR ZONES

No. 1, from 12,567 to 19,677 No. 3, from to
 No. 2, from to No. 4, from to

IMPORTANT WATER SANDS

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.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
MD			Rustler				
860			Avalon				
9113			1st Bone Sprg				
10103			2nd Bone Sprg				
10510			3rd Bone Sprg				
11685			Wolfcamp				
12223							

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 131550

ACKNOWLEDGMENTS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 131550
	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.

Sante Fe Main Office
Phone: (505) 476-3441

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 131550

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 131550
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	10/10/2025