

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

State of New Mexico
Energy, Minerals & Natural Resources

Revised August 1, 2011

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 - 015-45683	⁵ Pool Name Purple Sage Wolfcamp Gas	⁶ Pool Code 98220
⁷ Property Code 324955	⁸ Property Name Brantley Fee 2419 WC	⁹ Well Number 002H

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
M	24	23S	28E	M	543	South	185	West	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	19	23S	29E	P	422	South	145	East	Eddy

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
P	F	10/9/2020	-	-	-

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Sendero Carlsbad Mistream 1000 Louisiana Ave., Suite 6900 Houston, TX 77002	G
	Western Refining Company, L.P. 19100 Ridgewood Parkway San Antonio, TX 78258	O

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	10890 ²³ TD TVD	10890 ²⁴ PBD TVD	²⁵ Perforations	²⁶ DHC, MC
2/22/2020	10/8/2020	20731 MD	20576 MD	10705 - 20532	-

²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement
17 1/2	13 3/8	450	560
12 1/4	10 3/4	2682	435
9 3/4	7 5/8 DV tool not opened	9941 3122	1215 -
6 3/4	5 1/2	20714	1630

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
10/8/2020	10/9/2020	10/18/20	24 hrs	-	3540

³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method
36	980	4754	9773	Flowing

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:

Printed name:

Charlotte Van Valkenburg

Title:

Mgr., Regulatory Compliance

E-mail Address:

Charlotv@kfoc.net

Date:

11/6/2020

Phone:

918-491-4314

OIL CONSERVATION DIVISION

Approved by: PATRICIA MARTINEZ

Title: PETROLEUM SPECIALIST

Approval Date: 5/12/2021

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 30-015-45683		² Pool Code 98220	³ Pool Name Purple Sage Wolfcamp Gas
⁴ Property Code 324955	⁵ Property Name BRANTLEY FEE 2419 WC		⁶ Well Number 2H
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL COMPANY		⁹ Elevation 2995.7

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
M	24	23S	28E	M	543	SOUTH	185	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	19	23S	29E	P	422	SOUTH	145	EAST	EDDY

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

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

NW CORNER SEC. 24 LAT. = 32.2982711°N LONG. = 104.0496660°W NMSP EAST (FT) N = 472359.52 E = 628985.29 N/4 CORNER SEC. 24 LAT. = 32.2982367°N LONG. = 104.0490002°W NMSP EAST (FT) N = 472354.28 E = 631893.80 SECTION CORNER LAT. = 32.2982020°N LONG. = 104.0321341°W NMSP EAST (FT) N = 472349.16 E = 634402.41 N/4 CORNER SEC. 19 LAT. = 32.2980226°N LONG. = 104.0239292°W NMSP EAST (FT) N = 472291.11 E = 636937.75 NE CORNER SEC. 19 LAT. = 32.2978372°N LONG. = 104.0155331°W NMSP EAST (FT) N = 472231.26 E = 639532.21		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. Signature: <i>Charlotte Van Valkenburg</i> Date: 11/3/2020 Printed Name: Charlotte Van Valkenburg E-mail Address: Charlottv@kfoc.net	
S89°53'21"E 2709.10 FT S89°53'30"E 2709.21 FT S88°41'19"E 2536.56 FT S88°40'42"E 2595.72 FT LATITUDE AND LONGITUDE VALUES ARE NAD 83 STATE PLANE VALUES ARE NMSP EAST GRID SEC. 24 W/4 CORNER SEC. 24 LAT. = 32.2910604°N LONG. = 104.0496400°W NMSP EAST (FT) N = 469736.40 E = 629000.25 BRANTLEY FEE 2419 WC 2H ELEV. = 2995.7' LAT. = 32.2852820°N (NAD83) LONG. = 104.0489102°W NMSP EAST (FT) N = 467634.87 E = 629231.36 KICK OFF POINT 388' FSL, 52' FWL LAT. = 32.2848546°N LONG. = 104.0493294°W FIRST TAKE POINT 381' FSL, 359' FWL LAT. = 32.2848378°N LONG. = 104.0483358°W QUARTER CORNER LAT. = 32.2908856°N LONG. = 104.0321938°W NMSP EAST (FT) N = 469687.50 E = 634391.42 SEC. 19 E/4 CORNER SEC. 19 LAT. = 32.2905007°N LONG. = 104.0155347°W NMSP EAST (FT) N = 469562.33 E = 639539.64 BOTTOM OF HOLE LAT. = 32.2843280°N LONG. = 104.0159912°W NMSP EAST (FT) N = 467316.36 E = 639405.21 LAST TAKE POINT 427' FSL, 346' FEL LAT. = 32.2843592°N LONG. = 104.0166476°W BOTTOM OF HOLE LTP LAT. = 32.2843592°N LONG. = 104.0166476°W 543' SURFACE LOCATION 185' FTL KOP SW CORNER SEC. 24 LAT. = 32.2837885°N LONG. = 104.0494748°W NMSP EAST (FT) N = 467091.09 E = 629058.30 S/4 CORNER SEC. 24 LAT. = 32.2838054°N LONG. = 104.0410209°W NMSP EAST (FT) N = 467104.28 E = 631670.82 SECTION CORNER LAT. = 32.2836076°N LONG. = 104.0322470°W NMSP EAST (FT) N = 467039.80 E = 634382.44 S/4 CORNER SEC. 19 LAT. = 32.2833764°N LONG. = 104.0239703°W NMSP EAST (FT) N = 466863.00 E = 636940.42 SE CORNER SEC. 19 LAT. = 32.2831544°N LONG. = 104.0155278°W NMSP EAST (FT) N = 466889.85 E = 639549.68		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. OCTOBER 18, 2020 Date of Survey Signature and Seal of Professional Surveyor: Certificate Number: 12797 Professional Surveyor No. 6874	

Intent ☐ As Drilled ☒ XXX

API # 30-015-45683		
Operator Name: KAISER-FRANCIS OIL COMPANY	Property Name: BRANTLEY FEE 2419 WC	Well Number 2H

Kick Off Point (KOP)

UL M	Section 24	Township 23S	Range 28E	Lot	Feet 388	From N/S SOUTH	Feet 52	From E/W WEST	County EDDY
Latitude 32.2848546					Longitude 104.0493294			NAD 83	

First Take Point (FTP)

UL M	Section 24	Township 23S	Range 28E	Lot	Feet 381	From N/S SOUTH	Feet 359	From E/W WEST	County EDDY
Latitude 32.2848378					Longitude 104.0483358			NAD 83	

Last Take Point (LTP)

UL P	Section 19	Township 23S	Range 29E	Lot	Feet 427	From N/S SOUTH	Feet 346	From E/W EAST	County EDDY
Latitude 32.2843592					Longitude 104.0166476			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit?

☒

Is this well an infill well?

☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



Kaiser-Francis Oil Company

Eddy County, NM (NAD 83)

Sec 24 T23S-R28E

Brantley FEE 24-19 WC 2H

Wellbore #1

Survey: Survey #1

Survey Report - Geographic

20 March, 2020

KAISER-FRANCIS OIL COMPANY



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Brantley FEE 24-19 WC 2H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	2995.7+23 @ 3018.70usft
Site:	Sec 24 T23S-R28E	MD Reference:	2995.7+23 @ 3018.70usft
Well:	Brantley FEE 24-19 WC 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Project	Eddy County, NM (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 24 T23S-R28E		
Site Position:		Northing:	467,634.86 usft
From:	Map	Easting:	629,231.35 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.285282
		Longitude:	-104.048910
		Grid Convergence:	0.15 °

Well	Brantley FEE 24-19 WC 2H		
Well Position	+N/-S	0.00 usft	Northing: 467,634.86 usft
	+E/-W	0.00 usft	Easting: 629,231.35 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.285282
		Longitude:	-104.048910
		Ground Level:	2,995.70 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	03/20/20	6.88
			Dip Angle (°)
			60.01
			Field Strength (nT)
			47,643.77026874

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)
	0.00	0.00	0.00
			Direction (°)
			91.79

Survey Program	Date	03/20/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
134.00	20,731.00	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	467,634.86	629,231.35	32.285282	-104.048910
134.00	0.40	131.20	134.00	-0.31	0.35	467,634.55	629,231.71	32.285281	-104.048909
1st MWD Survey									
234.00	1.10	129.90	233.99	-1.15	1.35	467,633.70	629,232.71	32.285279	-104.048906
328.00	1.50	123.80	327.97	-2.42	3.07	467,632.44	629,234.42	32.285275	-104.048901
407.00	1.60	123.30	406.94	-3.60	4.85	467,631.26	629,236.20	32.285272	-104.048895
518.00	1.60	117.50	517.89	-5.16	7.52	467,629.69	629,238.87	32.285268	-104.048886
612.00	1.50	113.80	611.86	-6.27	9.81	467,628.59	629,241.16	32.285265	-104.048879
706.00	1.60	111.40	705.82	-7.24	12.15	467,627.61	629,243.51	32.285262	-104.048871
801.00	1.60	104.80	800.79	-8.06	14.67	467,626.79	629,246.02	32.285260	-104.048863
895.00	0.60	119.00	894.77	-8.64	16.37	467,626.22	629,247.72	32.285258	-104.048858
989.00	1.40	255.90	988.76	-9.16	15.69	467,625.70	629,247.04	32.285257	-104.048860

03/20/20 3:04:29PM



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Brantley FEE 24-19 WC 2H
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Well:	Brantley FEE 24-19 WC 2H	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	
1,084.00	2.10	257.90	1,083.72	-9.80	12.86	467,625.05	629,244.21	32.285255	-104.048869	
1,178.00	2.10	260.10	1,177.65	-10.46	9.48	467,624.39	629,240.83	32.285253	-104.048880	
1,272.00	2.20	264.60	1,271.59	-10.93	5.99	467,623.93	629,237.34	32.285252	-104.048891	
1,367.00	1.00	255.40	1,366.55	-11.31	3.37	467,623.55	629,234.72	32.285251	-104.048900	
1,462.00	1.00	248.40	1,461.53	-11.82	1.80	467,623.03	629,233.15	32.285250	-104.048905	
1,557.00	1.00	250.70	1,556.52	-12.40	0.24	467,622.45	629,231.60	32.285248	-104.048910	
1,652.00	1.00	252.50	1,651.50	-12.92	-1.33	467,621.93	629,230.02	32.285246	-104.048915	
1,747.00	1.10	263.10	1,746.49	-13.28	-3.03	467,621.57	629,228.33	32.285246	-104.048920	
1,842.00	0.90	250.20	1,841.47	-13.65	-4.63	467,621.21	629,226.72	32.285245	-104.048926	
1,937.00	0.90	211.00	1,936.46	-14.54	-5.72	467,620.32	629,225.63	32.285242	-104.048929	
2,032.00	2.90	208.70	2,031.41	-17.29	-7.26	467,617.57	629,224.10	32.285235	-104.048934	
2,127.00	4.70	211.40	2,126.19	-22.72	-10.44	467,612.14	629,220.91	32.285220	-104.048944	
2,222.00	5.20	208.30	2,220.84	-29.83	-14.51	467,605.03	629,216.84	32.285200	-104.048958	
2,317.00	5.50	213.80	2,315.43	-37.40	-19.08	467,597.45	629,212.27	32.285179	-104.048973	
2,412.00	5.40	223.90	2,410.00	-44.41	-24.72	467,590.45	629,206.64	32.285160	-104.048991	
2,507.00	4.60	227.60	2,504.64	-50.20	-30.63	467,584.66	629,200.73	32.285144	-104.049010	
2,602.00	4.40	229.30	2,599.34	-55.14	-36.20	467,579.71	629,195.15	32.285131	-104.049028	
2,780.00	4.40	230.40	2,776.82	-63.95	-46.64	467,570.91	629,184.71	32.285107	-104.049062	
2,875.00	4.30	230.00	2,871.55	-68.56	-52.18	467,566.30	629,179.18	32.285094	-104.049080	
2,970.00	4.00	227.60	2,966.30	-73.08	-57.35	467,561.77	629,174.00	32.285082	-104.049097	
3,065.00	5.10	234.60	3,061.00	-77.76	-63.24	467,557.09	629,168.11	32.285069	-104.049116	
3,160.00	5.20	235.60	3,155.61	-82.64	-70.24	467,552.21	629,161.12	32.285055	-104.049138	
3,255.00	5.30	235.30	3,250.21	-87.57	-77.40	467,547.28	629,153.96	32.285042	-104.049162	
3,350.00	5.10	217.40	3,344.83	-93.42	-83.57	467,541.43	629,147.79	32.285026	-104.049182	
3,445.00	5.20	215.50	3,439.45	-100.28	-88.63	467,534.57	629,142.72	32.285007	-104.049198	
3,540.00	4.70	216.40	3,534.09	-106.92	-93.44	467,527.94	629,137.91	32.284989	-104.049214	
3,635.00	4.50	216.40	3,628.79	-113.05	-97.96	467,521.80	629,133.39	32.284972	-104.049228	
3,730.00	4.30	217.60	3,723.51	-118.87	-102.35	467,515.98	629,129.01	32.284956	-104.049243	
3,825.00	4.40	217.40	3,818.23	-124.59	-106.73	467,510.26	629,124.62	32.284940	-104.049257	
3,920.00	4.20	216.50	3,912.96	-130.28	-111.02	467,504.57	629,120.34	32.284925	-104.049271	
4,015.00	4.00	217.10	4,007.72	-135.72	-115.09	467,499.13	629,116.27	32.284910	-104.049284	
4,110.00	3.90	216.60	4,102.50	-140.96	-119.01	467,493.90	629,112.34	32.284895	-104.049297	
4,205.00	3.60	217.70	4,197.29	-145.91	-122.76	467,488.94	629,108.59	32.284882	-104.049309	
4,300.00	3.40	216.90	4,292.12	-150.52	-126.28	467,484.33	629,105.08	32.284869	-104.049320	
4,395.00	2.20	204.40	4,387.00	-154.44	-128.72	467,480.42	629,102.63	32.284858	-104.049328	
4,490.00	1.10	174.60	4,481.96	-157.01	-129.39	467,477.85	629,101.97	32.284851	-104.049330	
4,585.00	0.90	94.50	4,576.95	-157.97	-128.56	467,476.88	629,102.80	32.284849	-104.049328	
4,679.00	1.20	96.20	4,670.94	-158.14	-126.84	467,476.72	629,104.51	32.284848	-104.049322	
4,774.00	1.10	92.10	4,765.92	-158.28	-124.94	467,476.58	629,106.41	32.284848	-104.049316	
4,869.00	0.80	99.10	4,860.90	-158.42	-123.38	467,476.44	629,107.98	32.284847	-104.049311	
4,964.00	0.90	103.70	4,955.89	-158.70	-122.00	467,476.16	629,109.36	32.284847	-104.049307	
5,059.00	0.70	107.80	5,050.88	-159.05	-120.72	467,475.80	629,110.63	32.284846	-104.049302	
5,154.00	0.70	113.80	5,145.88	-159.46	-119.64	467,475.39	629,111.72	32.284845	-104.049299	
5,249.00	0.60	123.80	5,240.87	-159.97	-118.69	467,474.88	629,112.66	32.284843	-104.049296	
5,344.00	0.50	131.10	5,335.87	-160.52	-117.97	467,474.33	629,113.39	32.284842	-104.049294	
5,439.00	0.40	135.60	5,430.86	-161.03	-117.42	467,473.82	629,113.93	32.284840	-104.049292	
5,534.00	0.40	136.60	5,525.86	-161.51	-116.96	467,473.34	629,114.39	32.284839	-104.049290	
5,629.00	0.50	140.70	5,620.86	-162.07	-116.47	467,472.78	629,114.88	32.284837	-104.049289	
5,724.00	0.70	145.80	5,715.85	-162.87	-115.88	467,471.98	629,115.47	32.284835	-104.049287	
5,819.00	0.70	139.80	5,810.84	-163.80	-115.18	467,471.06	629,116.17	32.284833	-104.049285	
5,914.00	0.60	135.50	5,905.84	-164.59	-114.46	467,470.26	629,116.89	32.284830	-104.049282	
6,009.00	0.70	151.70	6,000.83	-165.46	-113.84	467,469.40	629,117.52	32.284828	-104.049280	
6,105.00	0.80	152.70	6,096.82	-166.57	-113.25	467,468.28	629,118.10	32.284825	-104.049278	
6,200.00	0.70	171.10	6,191.82	-167.73	-112.86	467,467.12	629,118.50	32.284822	-104.049277	
6,295.00	0.80	175.30	6,286.81	-168.97	-112.71	467,465.89	629,118.64	32.284818	-104.049277	

03/20/20 3:04:29PM

Page 3

COMPASS 5000.15 Build 91



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Brantley FEE 24-19 WC 2H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	2995.7+23 @ 3018.70usft
Site:	Sec 24 T23S-R28E	MD Reference:	2995.7+23 @ 3018.70usft
Well:	Brantley FEE 24-19 WC 2H	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
6,390.00	0.70	165.60	6,381.80	-170.19	-112.51	467,464.66	629,118.84	32.284815	-104.049276
6,485.00	0.40	185.60	6,476.80	-171.08	-112.40	467,463.77	629,118.95	32.284813	-104.049276
6,580.00	0.60	220.10	6,571.79	-171.79	-112.75	467,463.06	629,118.60	32.284811	-104.049277
6,675.00	0.40	243.10	6,666.79	-172.32	-113.37	467,462.53	629,117.98	32.284809	-104.049279
6,770.00	0.90	279.30	6,761.78	-172.35	-114.40	467,462.50	629,116.95	32.284809	-104.049282
6,865.00	0.90	292.70	6,856.77	-171.95	-115.83	467,462.91	629,115.53	32.284810	-104.049287
6,960.00	1.00	307.40	6,951.76	-171.15	-117.17	467,463.70	629,114.18	32.284812	-104.049291
7,055.00	2.00	319.70	7,046.72	-169.39	-118.90	467,465.47	629,112.45	32.284817	-104.049297
7,150.00	1.80	310.60	7,141.67	-167.15	-121.11	467,467.70	629,110.24	32.284823	-104.049304
7,245.00	1.80	299.40	7,236.63	-165.45	-123.54	467,469.41	629,107.81	32.284828	-104.049312
7,340.00	1.80	291.30	7,331.58	-164.17	-126.23	467,470.68	629,105.12	32.284832	-104.049320
7,435.00	2.00	280.30	7,426.53	-163.34	-129.25	467,471.52	629,102.10	32.284834	-104.049330
7,530.00	2.60	273.20	7,521.45	-162.92	-133.04	467,471.94	629,098.32	32.284835	-104.049342
7,625.00	1.90	299.90	7,616.38	-162.01	-136.55	467,472.84	629,094.80	32.284838	-104.049354
7,719.00	1.60	7.20	7,710.34	-159.93	-137.74	467,474.92	629,093.61	32.284843	-104.049358
7,814.00	1.90	13.00	7,805.30	-157.08	-137.22	467,477.77	629,094.14	32.284851	-104.049356
7,909.00	1.80	356.60	7,900.25	-154.06	-136.95	467,480.80	629,094.40	32.284860	-104.049355
8,004.00	1.20	352.90	7,995.22	-151.58	-137.16	467,483.27	629,094.19	32.284866	-104.049356
8,099.00	0.80	55.90	8,090.21	-150.22	-136.74	467,484.63	629,094.62	32.284870	-104.049354
8,194.00	0.70	81.80	8,185.20	-149.77	-135.61	467,485.09	629,095.74	32.284871	-104.049351
8,289.00	1.10	75.80	8,280.19	-149.46	-134.16	467,485.39	629,097.20	32.284872	-104.049346
8,384.00	1.00	86.60	8,375.17	-149.19	-132.44	467,485.67	629,098.91	32.284873	-104.049340
8,479.00	1.00	58.90	8,470.16	-148.71	-130.91	467,486.14	629,100.45	32.284874	-104.049335
8,574.00	1.10	19.40	8,565.14	-147.42	-129.89	467,487.43	629,101.46	32.284878	-104.049332
8,669.00	0.60	347.40	8,660.13	-146.08	-129.70	467,488.78	629,101.65	32.284881	-104.049331
8,764.00	1.40	323.50	8,755.12	-144.66	-130.50	467,490.19	629,100.86	32.284885	-104.049334
8,859.00	1.30	306.90	8,850.09	-143.08	-132.05	467,491.77	629,099.30	32.284890	-104.049339
8,953.00	0.70	301.90	8,944.08	-142.14	-133.39	467,492.72	629,097.96	32.284892	-104.049343
9,048.00	0.30	259.80	9,039.07	-141.87	-134.13	467,492.98	629,097.23	32.284893	-104.049346
9,143.00	0.40	211.90	9,134.07	-142.20	-134.55	467,492.66	629,096.81	32.284892	-104.049347
9,238.00	0.50	197.80	9,229.07	-142.88	-134.85	467,491.98	629,096.50	32.284890	-104.049348
9,333.00	0.70	172.20	9,324.06	-143.85	-134.90	467,491.01	629,096.46	32.284888	-104.049348
9,428.00	1.10	174.40	9,419.05	-145.33	-134.73	467,489.53	629,096.62	32.284884	-104.049348
9,523.00	1.30	172.40	9,514.03	-147.30	-134.50	467,487.55	629,096.85	32.284878	-104.049347
9,618.00	1.10	157.30	9,609.01	-149.21	-134.01	467,485.64	629,097.35	32.284873	-104.049345
9,713.00	1.10	159.80	9,703.99	-150.91	-133.34	467,483.94	629,098.02	32.284868	-104.049343
9,808.00	1.00	150.20	9,798.98	-152.49	-132.61	467,482.37	629,098.74	32.284864	-104.049341
9,892.00	0.90	144.30	9,882.96	-153.66	-131.86	467,481.20	629,099.49	32.284861	-104.049338
10,041.00	0.40	162.30	10,031.95	-155.10	-131.02	467,479.75	629,100.33	32.284857	-104.049336
10,136.00	2.20	102.30	10,126.93	-155.81	-129.14	467,479.05	629,102.22	32.284855	-104.049330
10,183.00	7.60	92.30	10,173.74	-156.12	-125.15	467,478.73	629,106.21	32.284854	-104.049317
10,231.00	13.20	89.40	10,220.93	-156.19	-116.49	467,478.66	629,114.86	32.284854	-104.049289
10,278.00	19.20	90.90	10,266.05	-156.26	-103.38	467,478.60	629,127.97	32.284853	-104.049246
10,326.00	24.70	93.70	10,310.55	-157.03	-85.47	467,477.82	629,145.88	32.284851	-104.049188
10,373.00	30.40	93.80	10,352.20	-158.45	-63.79	467,476.40	629,167.57	32.284847	-104.049118
10,421.00	35.70	93.20	10,392.42	-160.04	-37.67	467,474.81	629,193.69	32.284842	-104.049034
10,468.00	40.00	92.20	10,429.53	-161.39	-8.87	467,473.47	629,222.49	32.284838	-104.048941
10,516.00	45.80	90.40	10,464.68	-162.10	23.78	467,472.75	629,255.14	32.284836	-104.048835
10,563.00	51.60	89.70	10,495.68	-162.12	59.08	467,472.73	629,290.43	32.284836	-104.048721
10,610.00	54.90	89.30	10,523.80	-161.79	96.73	467,473.06	629,328.08	32.284837	-104.048599
10,657.00	58.90	89.50	10,549.46	-161.38	136.09	467,473.47	629,367.45	32.284837	-104.048471
10,672.76	60.08	89.57	10,557.46	-161.27	149.67	467,473.59	629,381.02	32.284838	-104.048428
FTP 10672.76 MD/10557.46 TVD -161.27 S 149.67 E N: 467473.5 E: 629381.0									
10,705.00	62.50	89.70	10,572.95	-161.09	177.94	467,473.77	629,409.30	32.284838	-104.048336
10,752.00	66.50	89.90	10,593.18	-160.94	220.36	467,473.91	629,451.71	32.284838	-104.048199

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COMPASS 5000.15 Build 91



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Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company: Kaiser-Francis Oil Company
Project: Eddy County, NM (NAD 83)
Site: Sec 24 T23S-R28E
Well: Brantley FEE 24-19 WC 2H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Brantley FEE 24-19 WC 2H
TVD Reference: 2995.7+23 @ 3018.70usft
MD Reference: 2995.7+23 @ 3018.70usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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
10,800.00	69.90	90.50	10,611.00	-161.10	264.92	467,473.75	629,496.27	32.284837	-104.048055
10,847.00	73.50	90.50	10,625.76	-161.49	309.53	467,473.36	629,540.88	32.284836	-104.047910
10,895.00	77.20	90.20	10,637.89	-161.77	355.96	467,473.08	629,587.31	32.284835	-104.047760
10,938.00	80.40	90.10	10,646.25	-161.88	398.14	467,472.97	629,629.49	32.284834	-104.047624
11,020.00	88.70	90.50	10,654.03	-162.31	479.69	467,472.54	629,711.05	32.284832	-104.047360
11,115.00	89.20	90.70	10,655.77	-163.31	574.67	467,471.55	629,806.02	32.284829	-104.047052
11,209.00	90.90	90.80	10,655.69	-164.54	668.66	467,470.32	629,900.01	32.284825	-104.046748
11,304.00	91.10	89.90	10,654.03	-165.12	763.64	467,469.74	629,995.00	32.284823	-104.046441
11,399.00	90.70	88.50	10,652.53	-163.79	858.62	467,471.06	630,089.97	32.284825	-104.046133
11,494.00	88.00	86.30	10,653.61	-159.48	953.50	467,475.37	630,184.85	32.284837	-104.045826
11,589.00	86.70	86.80	10,658.00	-153.77	1,048.22	467,481.08	630,279.58	32.284852	-104.045520
11,684.00	86.10	87.40	10,663.97	-148.98	1,142.91	467,485.88	630,374.27	32.284864	-104.045213
11,779.00	87.60	88.00	10,669.19	-145.17	1,237.69	467,489.69	630,469.04	32.284874	-104.044907
11,874.00	87.40	88.10	10,673.33	-141.94	1,332.55	467,492.92	630,563.90	32.284882	-104.044600
11,969.00	88.20	88.60	10,676.98	-139.21	1,427.43	467,495.65	630,658.79	32.284889	-104.044293
12,064.00	89.20	89.20	10,679.14	-137.38	1,522.39	467,497.47	630,753.75	32.284893	-104.043985
12,159.00	85.70	87.90	10,683.36	-134.98	1,617.25	467,499.87	630,848.60	32.284899	-104.043678
12,254.00	82.70	89.60	10,692.96	-132.92	1,711.73	467,501.94	630,943.08	32.284904	-104.043373
12,349.00	86.40	91.00	10,701.98	-133.42	1,806.28	467,501.44	631,037.63	32.284902	-104.043067
12,444.00	88.00	93.00	10,706.63	-136.73	1,901.10	467,498.13	631,132.45	32.284892	-104.042760
12,539.00	89.20	94.20	10,708.95	-142.69	1,995.88	467,492.16	631,227.23	32.284875	-104.042453
12,634.00	90.20	94.40	10,709.44	-149.82	2,090.61	467,485.04	631,321.96	32.284855	-104.042147
12,729.00	90.60	91.50	10,708.78	-154.70	2,185.47	467,480.15	631,416.82	32.284841	-104.041840
12,823.00	91.50	92.40	10,707.06	-157.90	2,279.40	467,476.95	631,510.75	32.284831	-104.041536
12,918.00	91.30	91.10	10,704.74	-160.80	2,374.32	467,474.05	631,605.68	32.284822	-104.041229
13,013.00	91.50	90.90	10,702.42	-162.46	2,469.28	467,472.40	631,700.63	32.284817	-104.040921
13,108.00	89.50	87.90	10,701.59	-161.46	2,564.26	467,473.39	631,795.61	32.284819	-104.040614
13,203.00	86.90	85.50	10,704.57	-156.00	2,659.04	467,478.85	631,890.39	32.284834	-104.040307
13,298.00	87.30	88.30	10,709.38	-150.87	2,753.77	467,483.98	631,985.12	32.284847	-104.040001
13,393.00	87.40	89.80	10,713.77	-149.30	2,848.65	467,485.56	632,080.00	32.284851	-104.039694
13,488.00	88.40	90.10	10,717.25	-149.22	2,943.58	467,485.64	632,174.94	32.284850	-104.039386
13,582.00	90.70	90.10	10,717.99	-149.38	3,037.57	467,485.48	632,268.93	32.284849	-104.039082
13,677.00	89.80	91.60	10,717.58	-150.79	3,132.56	467,484.07	632,363.91	32.284844	-104.038775
13,772.00	89.10	93.20	10,718.49	-154.77	3,227.47	467,480.09	632,458.82	32.284833	-104.038468
13,867.00	87.40	92.80	10,721.39	-159.74	3,322.29	467,475.12	632,553.64	32.284818	-104.038161
13,962.00	86.70	91.40	10,726.28	-163.21	3,417.10	467,471.64	632,648.45	32.284808	-104.037854
14,057.00	90.40	93.00	10,728.68	-166.86	3,511.98	467,468.00	632,743.33	32.284797	-104.037547
14,152.00	87.10	87.90	10,730.75	-167.61	3,606.91	467,467.25	632,838.26	32.284794	-104.037240
14,247.00	86.00	88.60	10,736.47	-164.71	3,701.69	467,470.14	632,933.04	32.284802	-104.036933
14,342.00	85.60	88.20	10,743.43	-162.07	3,796.40	467,472.79	633,027.75	32.284808	-104.036627
14,437.00	87.30	90.50	10,749.31	-160.99	3,891.20	467,473.86	633,122.55	32.284810	-104.036320
14,532.00	90.10	93.20	10,751.47	-164.06	3,986.11	467,470.80	633,217.46	32.284801	-104.036013
14,627.00	90.50	92.40	10,750.97	-168.70	4,080.99	467,466.16	633,312.34	32.284788	-104.035706
14,722.00	90.50	92.60	10,750.14	-172.84	4,175.90	467,462.01	633,407.25	32.284776	-104.035399
14,817.00	91.30	92.70	10,748.65	-177.23	4,270.78	467,457.62	633,502.14	32.284763	-104.035092
14,911.00	89.20	91.60	10,748.24	-180.76	4,364.71	467,454.09	633,596.06	32.284753	-104.034788
15,007.00	85.80	91.20	10,752.43	-183.10	4,460.57	467,451.75	633,691.93	32.284745	-104.034478
15,101.00	89.30	93.20	10,756.44	-186.71	4,554.40	467,448.15	633,785.75	32.284735	-104.034174
15,196.00	84.70	90.00	10,761.42	-189.36	4,649.19	467,445.49	633,880.55	32.284727	-104.033868
15,291.00	86.90	90.90	10,768.37	-190.11	4,743.93	467,444.75	633,975.28	32.284724	-104.033561
15,386.00	86.50	90.50	10,773.84	-191.27	4,838.76	467,443.59	634,070.12	32.284720	-104.033254
15,481.00	87.70	86.80	10,778.65	-189.03	4,933.60	467,445.82	634,164.95	32.284725	-104.032947
15,576.00	90.80	87.30	10,779.89	-184.14	5,028.45	467,450.71	634,259.81	32.284738	-104.032640
15,671.00	91.20	88.20	10,778.23	-180.41	5,123.36	467,454.44	634,354.72	32.284748	-104.032333



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Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company: Kaiser-Francis Oil Company
Project: Eddy County, NM (NAD 83)
Site: Sec 24 T23S-R28E
Well: Brantley FEE 24-19 WC 2H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Brantley FEE 24-19 WC 2H
TVD Reference: 2995.7+23 @ 3018.70usft
MD Reference: 2995.7+23 @ 3018.70usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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
15,700.00	91.11	87.74	10,777.65	-179.39	5,152.34	467,455.47	634,383.69	32.284750	-104.032239
Cross Section Line 15700 MD/10777.65 TVD -179.39 S 5152.34 E N: 467455.4 E: 634383.6									
15,766.00	90.90	86.70	10,776.49	-176.19	5,218.25	467,458.67	634,449.60	32.284759	-104.032026
15,861.00	90.10	89.90	10,775.66	-173.37	5,313.19	467,461.48	634,544.55	32.284766	-104.031719
15,956.00	91.00	93.00	10,774.75	-175.77	5,408.14	467,459.08	634,639.50	32.284758	-104.031412
16,051.00	88.30	93.50	10,775.33	-181.16	5,502.98	467,453.70	634,734.34	32.284743	-104.031105
16,146.00	87.00	94.90	10,779.23	-188.11	5,597.64	467,446.75	634,829.00	32.284723	-104.030799
16,241.00	86.60	94.40	10,784.53	-195.80	5,692.18	467,439.06	634,923.54	32.284701	-104.030493
16,336.00	87.20	94.20	10,789.67	-202.91	5,786.77	467,431.94	635,018.13	32.284681	-104.030187
16,431.00	85.60	93.70	10,795.63	-209.44	5,881.36	467,425.41	635,112.71	32.284662	-104.029881
16,526.00	86.30	93.70	10,802.34	-215.56	5,975.92	467,419.30	635,207.28	32.284644	-104.029575
16,621.00	86.40	93.50	10,808.39	-221.51	6,070.54	467,413.34	635,301.90	32.284627	-104.029269
16,716.00	86.60	93.20	10,814.19	-227.05	6,165.20	467,407.80	635,396.56	32.284611	-104.028962
16,811.00	86.50	92.60	10,819.91	-231.85	6,259.91	467,403.01	635,491.26	32.284597	-104.028656
16,906.00	85.30	91.20	10,826.70	-234.99	6,354.61	467,399.86	635,585.96	32.284588	-104.028349
17,001.00	83.70	88.10	10,835.81	-234.42	6,449.16	467,400.44	635,680.51	32.284589	-104.028043
17,096.00	86.20	88.50	10,844.17	-231.61	6,543.74	467,403.24	635,775.09	32.284596	-104.027737
17,191.00	87.80	91.20	10,849.14	-231.37	6,638.60	467,403.49	635,869.95	32.284596	-104.027430
17,286.00	89.30	92.90	10,851.55	-234.76	6,733.50	467,400.09	635,964.85	32.284586	-104.027123
17,381.00	87.20	92.70	10,854.45	-239.40	6,828.34	467,395.45	636,059.69	32.284572	-104.026817
17,476.00	87.70	90.50	10,858.67	-242.05	6,923.20	467,392.80	636,154.55	32.284564	-104.026510
17,572.00	88.20	90.40	10,862.11	-242.80	7,019.13	467,392.05	636,250.49	32.284561	-104.026199
17,666.00	90.10	92.10	10,863.50	-244.85	7,113.09	467,390.00	636,344.45	32.284555	-104.025895
17,761.00	87.80	91.10	10,865.24	-247.51	7,208.03	467,387.35	636,439.39	32.284547	-104.025588
17,857.00	90.20	92.90	10,866.92	-250.86	7,303.95	467,384.00	636,535.30	32.284537	-104.025278
17,952.00	90.20	92.60	10,866.59	-255.41	7,398.84	467,379.44	636,630.19	32.284524	-104.024971
18,047.00	88.90	92.00	10,867.33	-259.23	7,493.76	467,375.63	636,725.11	32.284512	-104.024663
18,142.00	87.80	91.90	10,870.07	-262.46	7,588.66	467,372.40	636,820.01	32.284503	-104.024356
18,237.00	85.90	91.00	10,875.29	-264.86	7,683.48	467,370.00	636,914.84	32.284496	-104.024050
18,332.00	87.10	91.00	10,881.09	-266.51	7,778.29	467,368.34	637,009.64	32.284490	-104.023743
18,427.00	88.00	91.50	10,885.15	-268.58	7,873.18	467,366.27	637,104.53	32.284484	-104.023436
18,522.00	85.80	91.40	10,890.29	-270.98	7,968.00	467,363.87	637,199.36	32.284476	-104.023129
18,616.00	85.60	91.30	10,897.33	-273.19	8,061.71	467,361.66	637,293.07	32.284470	-104.022826
18,711.00	85.20	91.80	10,904.95	-275.75	8,156.37	467,359.10	637,387.72	32.284462	-104.022519
18,806.00	86.00	92.40	10,912.24	-279.23	8,251.03	467,355.63	637,482.38	32.284452	-104.022213
18,901.00	88.10	90.90	10,917.13	-281.96	8,345.85	467,352.90	637,577.21	32.284443	-104.021906
18,996.00	88.10	90.90	10,920.28	-283.45	8,440.79	467,351.41	637,672.14	32.284438	-104.021599
19,091.00	87.60	88.30	10,923.85	-282.79	8,535.71	467,352.07	637,767.06	32.284439	-104.021292
19,186.00	89.40	88.70	10,926.33	-280.30	8,630.64	467,354.56	637,862.00	32.284446	-104.020985
19,281.00	91.30	91.10	10,925.75	-280.13	8,725.63	467,354.72	637,956.98	32.284445	-104.020677
19,376.00	91.50	91.20	10,923.43	-282.04	8,820.58	467,352.82	638,051.93	32.284439	-104.020370
19,471.00	91.50	90.70	10,920.94	-283.61	8,915.54	467,351.24	638,146.89	32.284434	-104.020063
19,566.00	92.10	91.00	10,917.99	-285.01	9,009.48	467,349.85	638,240.83	32.284430	-104.019759
19,660.00	93.00	92.60	10,913.76	-287.99	9,104.33	467,346.87	638,335.69	32.284421	-104.019452
19,755.00	94.10	93.00	10,907.88	-292.62	9,199.04	467,342.24	638,430.39	32.284407	-104.019146
19,850.00	94.40	92.70	10,900.84	-297.33	9,293.66	467,337.53	638,525.01	32.284393	-104.018840
19,945.00	93.40	91.60	10,894.38	-300.89	9,388.37	467,333.97	638,619.72	32.284383	-104.018533
20,040.00	89.00	89.30	10,892.39	-301.63	9,483.31	467,333.23	638,714.67	32.284380	-104.018226
20,135.00	89.10	89.70	10,893.97	-300.80	9,578.30	467,334.05	638,809.65	32.284382	-104.017918
20,230.00	89.40	90.20	10,895.21	-300.72	9,673.29	467,334.14	638,904.64	32.284381	-104.017611
20,325.00	90.00	90.60	10,895.71	-301.38	9,768.28	467,333.47	638,999.64	32.284378	-104.017304
20,420.00	88.90	91.40	10,896.62	-303.04	9,863.26	467,331.82	639,094.62	32.284373	-104.016996
20,515.00	89.70	93.30	10,897.78	-306.93	9,958.17	467,327.92	639,189.53	32.284362	-104.016689
20,543.83	89.88	93.39	10,897.88	-308.62	9,986.95	467,326.24	639,218.31	32.284357	-104.016596

LTP 20543.83 MD/10897.88 TVD -308.62 S 9986.95 E N: 467326.2 E: 639218.3

03/20/20 3:04:29PM

Page 6

COMPASS 5000.15 Build 91



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Brantley FEE 24-19 WC 2H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	2995.7+23 @ 3018.70usft
Site:	Sec 24 T23S-R28E	MD Reference:	2995.7+23 @ 3018.70usft
Well:	Brantley FEE 24-19 WC 2H	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
20,610.00	90.30	93.60	10,897.78	-312.65	10,053.00	467,322.20	639,284.35	32.284345	-104.016383
20,651.00	90.10	92.60	10,897.64	-314.87	10,093.94	467,319.99	639,325.29	32.284339	-104.016250
Last MWD Survey 20651 MD/10897.64 TVD -314.87 S 10093.94 E N: 467319.9 E: 639325.2									
20,731.00	90.10	92.60	10,897.50	-318.50	10,173.86	467,316.36	639,405.21	32.284328	-104.015991
PTB 20731 MD/10897.50 TVD -318.5 S 10173.86 E N: 467316.3 E: 639405.2									

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
134.00	134.00	-0.31	0.35	1st MWD Survey	
10,672.76	10,557.46	-161.27	149.67	FTP 10672.76 MD/10557.46 TVD -161.27 S 149.67 E N: 467473.5 E: 629381.0	
15,700.00	10,777.65	-179.39	5,152.34	Cross Section Line 15700 MD/10777.65 TVD -179.39 S 5152.34 E N: 467455.4	
20,543.83	10,897.88	-308.62	9,986.95	LTP 20543.83 MD/10897.88 TVD -308.62 S 9986.95 E N: 467326.2 E: 639218.0	
20,651.00	10,897.64	-314.87	10,093.94	Last MWD Survey 20651 MD/10897.64 TVD -314.87 S 10093.94 E N: 467319.9	
20,731.00	10,897.50	-318.50	10,173.86	PTB 20731 MD/10897.50 TVD -318.5 S 10173.86 E N: 467316.3 E: 639405.2	

Checked By: _____ Approved By: _____ Date: _____

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
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District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103

Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-45683
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Kaiser-Francis Oil Company		6. State Oil & Gas Lease No. -
3. Address of Operator P. O. Box 21468, Tulsa, OK 74121-1468		7. Lease Name or Unit Agreement Name Brantley Fee 2419 WC
4. Well Location Unit Letter M : 543 feet from the South line and 185 feet from the West line Section 24 Township 23S Range 28E NMPM Eddy County		8. Well Number 002H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2996 GR		9. OGRID Number 12361
		10. Pool name or Wildcat Purple Sage Wolfcamp Gas Pool

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: ☐		OTHER: Completion ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Completion began 8/27/2020 Completion finished 10/8/2020

- MIRU WL.
- TCP'd first stage @ 20410' - 20532'. Broke down perms.
- Stage frac'd lateral 10705' - 20532' in 57 stages w/716921 bbls fluid + 28430100# sd.
- Drilled out plugs and cleaned out lateral to PBTD w/coiled tbg. Flowed back well.

Spud Date:

2/22/2020

Rig Release Date:

3/19/2020

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE Mgr., Regulatory Compliance

DATE 11/5/2020

Type or print name Charlotte Van Valkenburg E-mail address: Charlottv@kfoc.net

PHONE: 918-491-4314

For State Use Only

John Garcia

TITLE Petroleum Specialist

DATE 5/11/2021

APPROVED BY:

Conditions of Approval (if any):

Two Copies 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	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-103 Revised April 3, 2017
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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:		5. Lease Name or Unit Agreement Name Brantley Fee 2419 WC	
☒ 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)		6. Well Number: 002H	
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 Purple Sage Wolfcamp Gas	
12. Location	Unit Ltr	Section	Township
Surface:	M	24	23S
BH:	P	19	23S
Range	Lot	Feet from the	N/S Line
28E		543	South
29E		422	South
Feet from the	E/W Line	County	
	West	Eddy	
	East	Eddy	
13. Date Spudded 2/22/2020	14. Date T.D. Reached 3/14/2020	15. Date Rig Released 3/19/2020	16. Date Completed (Ready to Produce) 10/8/2020
17. Elevations (DF and RKB, RT, GR, etc.) 2996 GR			
18. Total Measured Depth of Well 20731 MD 10890 TVD		19. Plug Back Measured Depth 20576 MD 10890 TVD	
20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run None	
22. Producing Interval(s), of this completion - Top, Bottom, Name 10705 - 20532 Wolfcamp			

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	54.5	450	17 1/2	560 sxs	-0-
10 3/4	40.5	2682	12 1/4	435 sxs	-0-
7 5/8	29.7	9941	9 3/4	1215 sxs	-0-
7 5/8, DV too	not opened	3122	9 3/4	0	-0-
5 1/2	23	20714	6 3/4	1630 sxs	-0-

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None					None	-	None

TUBING RECORD

26. Perforation record (interval, size, and number) 10705 - 20532	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 10705 - 20532 716921 bbls fluid + 28430100# sd
---	--

PRODUCTION

Date First Production 10/9/2020		Production Method (Flowing, gas lift, pumping - Size and type pump) flowing		Well Status (Prod. or Shut-in) Producing	
Date of Test 10/18/20	Hours Tested 24	Choke Size 36	Prod'n For Test Period	Oil - Bbl 980	Gas - MCF 9773
Flow Tubing Press. -	Casing Pressure 3540	Calculated 24-Hour Rate	Oil - Bbl 980	Gas - MCF 9773	Water - Bbl. 4754
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold		30. Test Witnessed By -			

31. List Attachments
C-104 RT, C-104 NW, C-102 As-drilled, Final Directional Survey, C-103 Casing Detail, C-103

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. Rig Release Date: **Completion**

34. If an on-site burial was used at the well, report the exact location of the on-site burial:

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature: *Charlotte Van Valkenburg* Printed Name: **Charlotte Van Valkenburg** Title: **Mgr., REGulatory Compliance** Date: **11/9/2020**

E-mail Address: **Charlotv@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 2650	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 1st 6285	T. Todilto	
T. Abo	T. Bone Sprgs 2nd 7580	T. Entrada	
T. Wolfcamp A 9630	T. Bone Sprgs 3rd 9035	T. Wingate	
T. Penn	T. Wolfcamp B 10230	T. Chinle	
T. Cisco (Bough C)	T. Wolfcamp C 10505	T. Permian	

OIL OR GAS
SANDS OR ZONES

No. 1, from.....10705.....to.....20532.....
 No. 2, from.....to.....
 No. 3, 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.....n/a.....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
2650			Salt				
6285			1st Bone Springs				
7580			2nd Bone Springs				
9035			3rd Bone Springs				
9630			Wolfcamp A				
10230			Wolfcamp B				
10505			Wolfcamp C				

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State of New Mexico
 Energy, Minerals and Natural Resources

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

Form C-103
 Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-45683
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Kaiser-Francis Oil Company		6. State Oil & Gas Lease No. -
3. Address of Operator P. O. Box 21468, Tulsa, OK 74121-1468		7. Lease Name or Unit Agreement Name Brantley Fee 2419 WC
4. Well Location Unit Letter <u>M</u> : <u>543</u> feet from the <u>South</u> line and <u>185</u> feet from the <u>West</u> line Section <u>24</u> Township <u>23S</u> Range <u>28E</u> NMPM <u>Eddy</u> County		8. Well Number <u>002H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2996 GR		9. OGRID Number 12361
		10. Pool name or Wildcat Purple Sage Wolfcamp Gas Pool

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: ☐		OTHER: Casing detail ☒	

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.

2/23/2020 13 3/8", 54.5# J55 set @ 450' & cmt'd w/560 sxs. TOC @ surface. Pressure tested to 950# for 30 min - good test.

2/26/2020 10 3/4", 40.5# J55 set @ 2682' & cmt'd w/435 sxs. TOC @ surface. Pressure tested to 1500# for 30 min - good test.

3/05/2020 7 5/8", 29.7# P110 set @ 9941' & cmt'd w/1215 sxs. DV tool @ 3122' not opened. TOC @ surface. Pressure tested to 2300# for 30 min - good test.

3/18/2020 5 1/2", 23# P110 set @ 20714' & cmt'd w/1630 sxs. TOC @ 4600'. Pressure tested to 10,000# - good test.

Spud Date:

2/22/2020

Rig Release Date:

3/19/2020

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Charlotte Van Valkenburg TITLE Mgr., Regulatory Compliance DATE 11/5/2020

Type or print name Charlotte Van Valkenburg E-mail address: Charlotv@kfoc.net PHONE: 918-491-4314
 For State Use Only

APPROVED BY: John Garcia TITLE Petroleum Specailist DATE 5/11/2021

Conditions of Approval (if any):

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

CONDITIONS

Action 20685

CONDITIONS OF APPROVAL

Operator:	KAISER-FRANCIS OIL CO	P.O. Box 21468	Tulsa, OK74121	OGRID:	12361	Action Number:	20685	Action Type:	C-104C
OCD Reviewer	Condition								
plmartinez	None								