

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

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		WELL API NO. 30-025-46489
2. Name of Operator Kaiser-Francis Oil Company		5. Indicate Type of Lease STATE ☐ FEE ☐ FED ☐
3. Address of Operator P.O. Box 21468, Tulsa, OK 74121		6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u>K</u> : <u>2,400</u> feet from the <u>South</u> line and <u>1,735</u> feet from the <u>We</u> line Section <u>31</u> Township <u>25S</u> Range <u>33E</u> NMPM County <u>Lea</u>		7. Lease Name or Unit Agreement Name Red Hills Federal
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,419.1' GR		8. Well Number 603H
9. OGRID Number 12361		10. Pool name or Wildcat Bell Lake; Wolfcamp, South

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
 TEMPORARILY ABANDON ☐
 PULL OR ALTER CASING ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

PLUG AND ABANDON ☐
 CHANGE PLANS ☐
 MULTIPLE COMPL ☐

FIELD/ POOL CHANGE ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
 COMMENCE DRILLING OPNS. ☐
 CASING/CEMENT JOB ☐
 ALTERING CASING ☐
 P AND A ☐
 OTHER: ☐

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

Kaiser-Francis Oil Company respectfully requests to change the field/pool for the Red Hills 602H.

Original field/pool: [97994] WC-025 G-06 S253329D; UPR BONE SPRIN
 Requested field/pool: [98158] WC-025 G-09 S253236A; UPR WOLFCAMP

Spud Date:

3/6/21

Rig Release Date:

4/4/21

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

SIGNATURE

Christina Opfer

TITLE Regulatory Manager

DATE 8/3/2022

Type or print name

Christina Opfer

E-mail address ChristinaO@kfoc.net

PHONE 918-491-4468

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

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

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District III
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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 30-025-46489	² Pool Code 98158	³ Pool Name Wildcat Upper Wolfcamp Oil Pool
⁴ Property Code 5467	⁵ Property Name RED HILLS FEDERAL	
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL COMPANY	
	⁶ Well Number 603H	
	⁹ Elevation 3419.1	

¹⁰ Surface Location

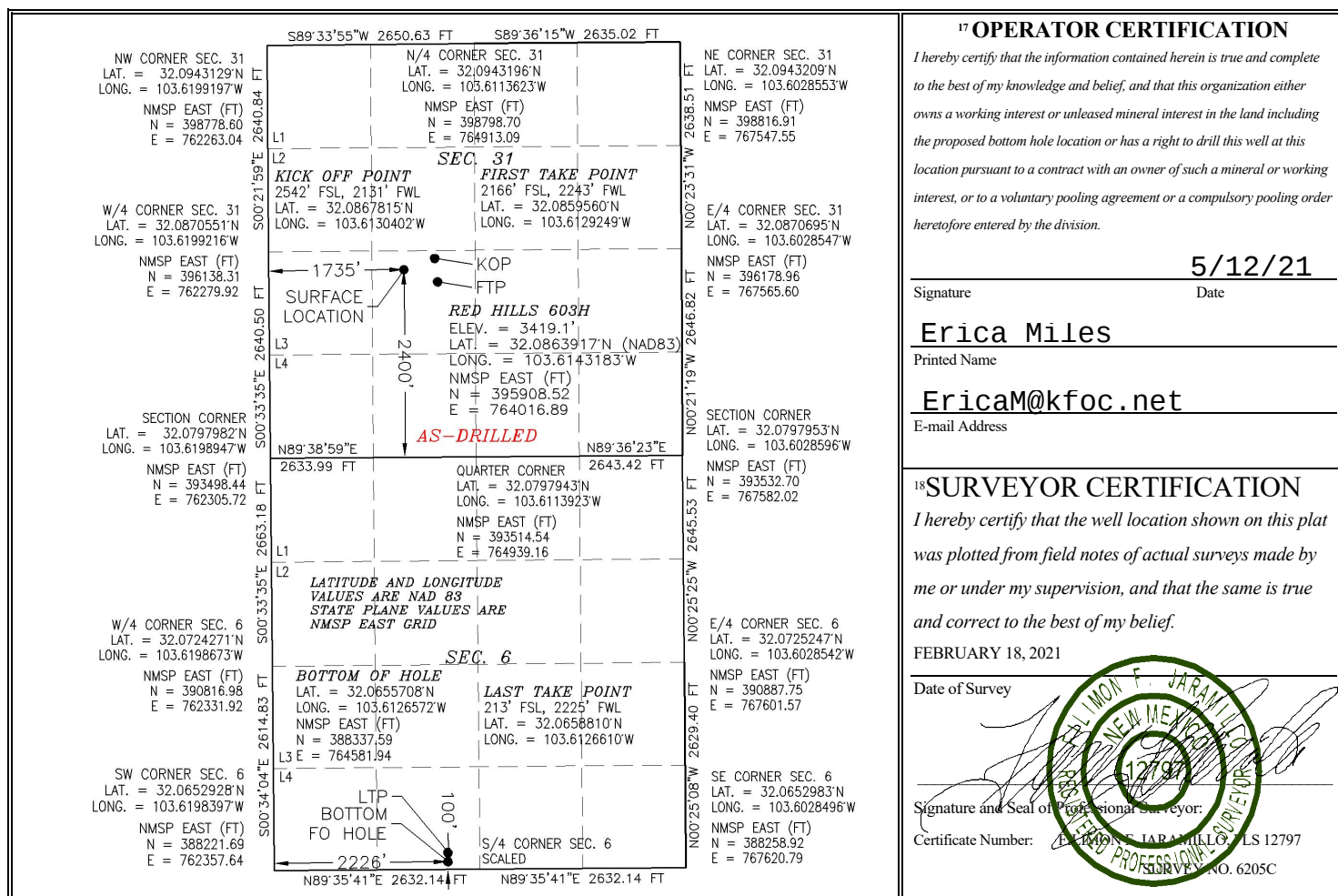
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	31	25 S	33 E		2400	SOUTH	1735	WEST	LEA

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		100	SOUTH	2226	WEST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
640	-	-	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.



Intent ☐ As Drilled ☒

API # 30-025-46489		
Operator Name: KAISER-FRANCIS OIL COMPANY	Property Name: RED HILLS FEDERAL	Well Number 603H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	31	25S	33E		2542	SOUTH	2131	WEST	LEA
Latitude 32.0867815					Longitude 103.6130402				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	31	25S	33E		2166	SOUTH	2242	WEST	LEA
Latitude 32.0859560					Longitude 103.6129249				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	6	26S	33E		213	SOUTH	2225	WEST	LEA
Latitude 32.0658810					Longitude 103.6126610				NAD 83

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

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 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 603H

Wellbore #1

Survey: Survey #1

Survey Report - Geographic

16 December, 2019

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 603H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3419.1+23 @ 3442.10usft
Site:	Sec 31-T25S-R33E	MD Reference:	3419.1+23 @ 3442.10usft
Well:	Red Hills 603H	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	Latitude:	32.08639150
From:	Map	Easting:	764,056.94 usft	Longitude:	-103.61418903
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.38 °

Well	Red Hills 603H					
Well Position	+N/-S	0.00 usft	Northing:	395,908.52 usft	Latitude:	32.08639171
	+E/-W	0.00 usft	Easting:	764,016.89 usft	Longitude:	-103.61431835
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,419.10 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/16/19	6.69	59.90	47,595.54687220

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	175.62	

Survey Program	Date	12/16/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
207.00	20,215.00	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	395,908.52	764,016.89	32.08639171	-103.61431835
207.00	0.20	284.20	207.00	0.09	-0.35	395,908.61	764,016.54	32.08639196	-103.61431948
1st MWD Survey									
238.00	0.20	340.40	238.00	0.15	-0.42	395,908.67	764,016.47	32.08639214	-103.61431970
332.00	0.70	255.50	332.00	0.16	-1.03	395,908.68	764,015.86	32.08639218	-103.61432167
425.00	0.80	251.60	424.99	-0.18	-2.20	395,908.33	764,014.69	32.08639125	-103.61432545
519.00	1.40	244.50	518.97	-0.89	-3.86	395,907.63	764,013.03	32.08638935	-103.61433082
613.00	3.20	197.50	612.90	-3.88	-5.68	395,904.63	764,011.20	32.08638114	-103.61433678
706.00	5.20	189.30	705.64	-10.52	-7.14	395,898.00	764,009.74	32.08636293	-103.61434164
799.00	4.20	193.70	798.33	-17.99	-8.63	395,890.53	764,008.25	32.08634243	-103.61434660
874.00	3.90	195.90	873.14	-23.11	-9.98	395,885.41	764,006.91	32.08632838	-103.61435107
984.00	3.60	197.40	982.91	-30.00	-12.04	395,878.52	764,004.85	32.08630947	-103.61435786



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills 603H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3419.1+23 @ 3442.10usft
Site:	Sec 31-T25S-R33E	MD Reference:	3419.1+23 @ 3442.10usft
Well:	Red Hills 603H	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
1,078.00	5.20	196.40	1,076.63	-36.90	-14.12	395,871.61	764,002.76	32.08629053	-103.61436474
1,171.00	6.50	186.70	1,169.14	-46.17	-15.93	395,862.34	764,000.96	32.08626508	-103.61437077
1,265.00	6.60	186.80	1,262.53	-56.82	-17.19	395,851.69	763,999.70	32.08623584	-103.61437507
1,358.00	6.10	176.70	1,354.96	-67.06	-17.54	395,841.45	763,999.35	32.08620769	-103.61437641
1,452.00	5.10	172.60	1,448.51	-76.19	-16.71	395,832.32	764,000.18	32.08618258	-103.61437394
1,546.00	4.90	175.60	1,542.16	-84.34	-15.87	395,824.18	764,001.02	32.08616018	-103.61437139
1,640.00	4.80	174.50	1,635.82	-92.26	-15.18	395,816.26	764,001.71	32.08613840	-103.61436935
1,733.00	4.70	168.20	1,728.50	-99.86	-14.03	395,808.66	764,002.86	32.08611748	-103.61436579
1,827.00	3.80	186.80	1,822.25	-106.72	-13.61	395,801.79	764,003.28	32.08609861	-103.61436459
1,921.00	4.20	183.80	1,916.02	-113.25	-14.21	395,795.27	764,002.68	32.08608068	-103.61436665
2,016.00	3.70	183.90	2,010.79	-119.78	-14.65	395,788.74	764,002.24	32.08606274	-103.61436821
2,110.00	3.80	182.40	2,104.59	-125.92	-14.98	395,782.60	764,001.90	32.08604587	-103.61436943
2,204.00	4.20	181.00	2,198.36	-132.47	-15.17	395,776.05	764,001.71	32.08602786	-103.61437019
2,298.00	4.00	182.50	2,292.12	-139.19	-15.38	395,769.33	764,001.51	32.08600940	-103.61437099
2,393.00	3.70	179.50	2,386.90	-145.56	-15.49	395,762.95	764,001.39	32.08599188	-103.61437150
2,487.00	3.70	173.60	2,480.71	-151.61	-15.13	395,756.91	764,001.76	32.08597525	-103.61437046
2,581.00	3.50	181.20	2,574.52	-157.49	-14.85	395,751.02	764,002.04	32.08595907	-103.61436969
2,675.00	3.60	188.10	2,668.34	-163.28	-15.33	395,745.23	764,001.56	32.08594317	-103.61437135
2,770.00	3.50	184.20	2,763.16	-169.13	-15.96	395,739.39	764,000.93	32.08592711	-103.61437352
2,864.00	3.50	171.00	2,856.99	-174.82	-15.72	395,733.69	764,001.17	32.08591145	-103.61437287
2,958.00	3.70	198.80	2,950.81	-180.53	-16.25	395,727.99	764,000.64	32.08589578	-103.61437470
3,053.00	3.50	196.30	3,045.62	-186.22	-18.05	395,722.30	763,998.84	32.08588018	-103.61438064
3,147.00	3.30	194.10	3,139.46	-191.59	-19.52	395,716.92	763,997.37	32.08586543	-103.61438548
3,241.00	3.60	205.30	3,233.29	-196.89	-21.44	395,711.63	763,995.45	32.08585092	-103.61439179
3,336.00	4.50	198.40	3,328.05	-203.12	-23.89	395,705.40	763,993.00	32.08583383	-103.61439984
3,430.00	4.40	175.90	3,421.77	-210.21	-24.79	395,698.30	763,992.09	32.08581434	-103.61440292
3,525.00	3.90	163.40	3,516.53	-216.95	-23.61	395,691.57	763,993.28	32.08579582	-103.61439924
3,619.00	3.30	146.80	3,610.34	-222.27	-21.22	395,686.24	763,995.67	32.08578113	-103.61439163
3,714.00	3.40	158.80	3,705.18	-227.19	-18.70	395,681.33	763,998.19	32.08576757	-103.61438361
3,808.00	3.40	134.20	3,799.02	-231.73	-15.69	395,676.79	764,001.19	32.08575503	-103.61437400
3,903.00	4.00	161.70	3,893.83	-236.84	-12.63	395,671.68	764,004.25	32.08574093	-103.61436423
3,997.00	4.20	185.40	3,987.60	-243.38	-11.93	395,665.14	764,004.96	32.08572294	-103.61436209
4,092.00	4.40	186.80	4,082.33	-250.46	-12.69	395,658.06	764,004.20	32.08570350	-103.61436470
4,186.00	4.10	162.50	4,176.08	-257.25	-12.10	395,651.27	764,004.78	32.08568483	-103.61436296
4,280.00	5.40	146.60	4,269.76	-264.15	-8.66	395,644.37	764,008.23	32.08566581	-103.61435198
4,375.00	4.80	148.90	4,364.38	-271.28	-4.14	395,637.24	764,012.74	32.08564611	-103.61433756
4,469.00	6.80	135.30	4,457.90	-278.61	1.80	395,629.91	764,018.69	32.08562587	-103.61431852
4,564.00	8.20	120.60	4,552.09	-286.05	11.59	395,622.46	764,028.48	32.08560522	-103.61428707
4,658.00	8.40	105.10	4,645.12	-291.25	23.99	395,617.26	764,040.88	32.08559070	-103.61424715
4,752.00	6.20	87.30	4,738.36	-292.80	35.70	395,615.71	764,052.58	32.08558622	-103.61420940
4,847.00	5.30	62.90	4,832.90	-290.56	44.73	395,617.95	764,061.61	32.08559222	-103.61418019
4,941.00	5.50	34.30	4,926.50	-284.86	51.13	395,623.65	764,068.02	32.08560777	-103.61415939
5,036.00	6.10	33.60	5,021.01	-276.90	56.49	395,631.62	764,073.38	32.08562956	-103.61414192
5,130.00	6.00	34.30	5,114.49	-268.68	62.02	395,639.84	764,078.91	32.08565205	-103.61412388
5,225.00	5.80	34.00	5,208.98	-260.60	67.51	395,647.92	764,084.39	32.08567416	-103.61410600
5,319.00	5.80	30.20	5,302.50	-252.56	72.55	395,655.96	764,089.44	32.08569618	-103.61408954
5,414.00	5.70	27.70	5,397.03	-244.23	77.16	395,664.29	764,094.04	32.08571897	-103.61407449
5,508.00	5.20	39.50	5,490.60	-236.81	82.04	395,671.71	764,098.92	32.08573928	-103.61405857
5,603.00	5.00	40.00	5,585.23	-230.32	87.44	395,678.20	764,104.32	32.08575703	-103.61404100
5,697.00	5.10	37.50	5,678.86	-223.86	92.61	395,684.65	764,109.50	32.08577467	-103.61402415
5,791.00	4.70	38.70	5,772.52	-217.54	97.56	395,690.97	764,114.45	32.08579195	-103.61400802
5,886.00	4.50	36.90	5,867.21	-211.53	102.24	395,696.99	764,119.12	32.08580841	-103.61399281
5,980.00	5.50	42.30	5,960.86	-205.25	107.48	395,703.27	764,124.37	32.08582557	-103.61397574
6,075.00	5.80	42.00	6,055.39	-198.31	113.76	395,710.21	764,130.64	32.08584452	-103.61395533
6,169.00	5.50	41.70	6,148.94	-191.42	119.93	395,717.10	764,136.82	32.08586335	-103.61393524

**PANTHER****Microsoft**

Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills 603H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3419.1+23 @ 3442.10usft
Site:	Sec 31-T25S-R33E	MD Reference:	3419.1+23 @ 3442.10usft
Well:	Red Hills 603H	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
6,263.00	5.40	38.50	6,242.51	-184.59	125.68	395,723.92	764,142.57	32.08588201	-103.61391653
6,364.00	5.30	38.80	6,343.07	-177.24	131.56	395,731.28	764,148.45	32.08590212	-103.61389738
6,458.00	4.80	36.30	6,436.71	-170.68	136.61	395,737.83	764,153.50	32.08592004	-103.61388094
6,552.00	4.50	35.10	6,530.40	-164.50	141.06	395,744.02	764,157.95	32.08593696	-103.61386644
6,646.00	4.40	35.70	6,624.11	-158.55	145.29	395,749.96	764,162.17	32.08595323	-103.61385268
6,741.00	5.50	31.60	6,718.76	-151.72	149.80	395,756.80	764,166.69	32.08597194	-103.61383796
6,835.00	5.40	37.60	6,812.33	-144.37	154.86	395,764.14	764,171.74	32.08599202	-103.61382147
6,930.00	5.30	35.90	6,906.92	-137.28	160.16	395,771.24	764,177.04	32.08601143	-103.61380420
7,024.00	4.70	36.30	7,000.56	-130.66	164.98	395,777.86	764,181.87	32.08602954	-103.61378848
7,118.00	5.90	40.90	7,094.16	-123.90	170.43	395,784.61	764,187.31	32.08604801	-103.61377076
7,212.00	6.10	40.40	7,187.64	-116.45	176.83	395,792.07	764,193.71	32.08606839	-103.61374993
7,306.00	5.70	38.40	7,281.15	-108.99	182.96	395,799.53	764,199.85	32.08608878	-103.61372996
7,401.00	5.20	41.20	7,375.72	-102.05	188.73	395,806.47	764,205.62	32.08610774	-103.61371119
7,495.00	6.80	39.70	7,469.20	-94.56	195.09	395,813.96	764,211.98	32.08612821	-103.61369049
7,589.00	6.60	36.60	7,562.56	-85.94	201.87	395,822.57	764,218.75	32.08615177	-103.61366843
7,684.00	6.50	38.20	7,656.94	-77.33	208.45	395,831.18	764,225.33	32.08617532	-103.61364700
7,778.00	5.40	37.10	7,750.43	-69.63	214.41	395,838.89	764,231.29	32.08619640	-103.61362760
7,873.00	6.40	42.90	7,844.93	-62.18	220.71	395,846.34	764,237.59	32.08621675	-103.61360709
7,967.00	6.60	42.40	7,938.32	-54.35	227.91	395,854.16	764,244.80	32.08623813	-103.61358365
8,062.00	6.20	44.20	8,032.73	-46.64	235.17	395,861.87	764,252.06	32.08625919	-103.61356005
8,157.00	5.80	40.40	8,127.21	-39.31	241.86	395,869.21	764,258.75	32.08627922	-103.61353830
8,251.00	5.20	39.50	8,220.78	-32.41	247.65	395,876.11	764,264.54	32.08629809	-103.61351946
8,345.00	6.30	40.90	8,314.30	-25.22	253.73	395,883.29	764,270.62	32.08631773	-103.61349966
8,440.00	6.20	42.80	8,408.74	-17.52	260.63	395,891.00	764,277.52	32.08633878	-103.61347722
8,534.00	6.20	41.40	8,502.19	-9.99	267.44	395,898.53	764,284.33	32.08635936	-103.61345508
8,628.00	5.60	43.20	8,595.69	-2.84	273.94	395,905.68	764,290.82	32.08637890	-103.61343395
8,723.00	4.60	41.70	8,690.31	3.39	279.64	395,911.91	764,296.53	32.08639590	-103.61341539
8,816.00	5.70	47.50	8,782.94	9.29	285.53	395,917.81	764,302.42	32.08641202	-103.61339626
8,911.00	6.10	47.30	8,877.43	15.90	292.72	395,924.42	764,309.60	32.08643006	-103.61337291
9,006.00	4.80	45.10	8,972.00	22.13	299.24	395,930.65	764,316.13	32.08644706	-103.61335171
9,100.00	5.30	44.40	9,065.64	28.01	305.06	395,936.53	764,321.95	32.08646311	-103.61333278
9,194.00	4.20	51.80	9,159.31	33.24	310.81	395,941.76	764,327.69	32.08647738	-103.61331412
9,289.00	4.60	49.70	9,254.03	37.86	316.45	395,946.37	764,333.33	32.08648997	-103.61329582
9,383.00	5.60	42.20	9,347.66	43.69	322.40	395,952.21	764,339.29	32.08650590	-103.61327646
9,478.00	4.40	37.70	9,442.30	50.01	327.74	395,958.53	764,344.63	32.08652316	-103.61325908
9,572.00	5.40	38.20	9,535.95	56.34	332.69	395,964.86	764,349.57	32.08654047	-103.61324299
9,660.00	4.50	32.30	9,623.62	62.51	337.09	395,971.03	764,353.98	32.08655736	-103.61322863
9,755.00	5.70	30.10	9,718.25	69.74	341.45	395,978.26	764,358.34	32.08657715	-103.61321441
9,850.00	6.30	29.10	9,812.72	78.38	346.35	395,986.90	764,363.24	32.08660080	-103.61319840
9,944.00	6.40	30.20	9,906.15	87.41	351.49	395,995.93	764,368.38	32.08662554	-103.61318159
10,039.00	5.20	29.10	10,000.66	95.75	356.25	396,004.27	764,373.14	32.08664837	-103.61316605
10,133.00	4.20	27.00	10,094.34	102.54	359.88	396,011.06	764,376.77	32.08666697	-103.61315417
10,228.00	3.50	44.70	10,189.13	107.70	363.50	396,016.22	764,380.39	32.08668109	-103.61314238
10,323.00	3.20	47.10	10,283.97	111.57	367.49	396,020.08	764,384.37	32.08669164	-103.61312944
10,417.00	2.70	54.70	10,377.84	114.63	371.21	396,023.15	764,388.10	32.08670000	-103.61311733
10,512.00	2.50	68.50	10,472.75	116.69	374.97	396,025.20	764,391.86	32.08670557	-103.61310517
10,606.00	2.20	61.10	10,566.67	118.31	378.46	396,026.83	764,395.34	32.08670997	-103.61309387
10,700.00	3.40	43.60	10,660.56	121.20	381.96	396,029.72	764,398.84	32.08671785	-103.61308250
10,795.00	3.30	42.50	10,755.39	125.26	385.75	396,033.77	764,402.63	32.08672893	-103.61307018
10,889.00	3.30	47.10	10,849.24	129.09	389.56	396,037.61	764,406.44	32.08673941	-103.61305780
10,984.00	2.80	17.00	10,944.11	133.17	392.24	396,041.69	764,409.13	32.08675057	-103.61304905
11,078.00	2.70	21.90	11,038.00	137.42	393.74	396,045.94	764,410.62	32.08676223	-103.61304412
11,173.00	2.90	349.00	11,132.89	141.86	394.11	396,050.37	764,411.00	32.08677441	-103.61304282
11,267.00	2.30	353.00	11,226.80	146.06	393.43	396,054.58	764,410.32	32.08678599	-103.61304493
11,361.00	1.80	354.90	11,320.74	149.41	393.07	396,057.92	764,409.95	32.08679518	-103.61304603



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills 603H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3419.1+23 @ 3442.10usft
Site:	Sec 31-T25S-R33E	MD Reference:	3419.1+23 @ 3442.10usft
Well:	Red Hills 603H	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
11,455.00	0.70	46.60	11,414.71	151.27	393.35	396,059.79	764,410.24	32.08680030	-103.61304506
11,550.00	0.80	79.10	11,509.71	151.80	394.43	396,060.31	764,411.31	32.08680173	-103.61304159
11,574.00	0.70	117.40	11,533.71	151.76	394.72	396,060.28	764,411.61	32.08680162	-103.61304064
11,680.00	1.10	176.20	11,639.69	150.45	395.36	396,058.96	764,412.25	32.08679800	-103.61303859
11,775.00	1.00	183.00	11,734.68	148.71	395.38	396,057.23	764,412.27	32.08679322	-103.61303857
11,869.00	0.70	181.70	11,828.67	147.32	395.32	396,055.83	764,412.21	32.08678939	-103.61303880
11,963.00	0.90	191.70	11,922.66	146.02	395.15	396,054.54	764,412.04	32.08678583	-103.61303936
12,057.00	1.00	181.80	12,016.65	144.48	394.98	396,052.99	764,411.87	32.08678160	-103.61303996
12,152.00	3.40	173.80	12,111.57	140.85	395.26	396,049.36	764,412.14	32.08677161	-103.61303914
12,199.00	9.20	168.60	12,158.27	135.77	396.15	396,044.29	764,413.04	32.08675765	-103.61303637
12,246.00	12.10	168.70	12,204.45	127.26	397.86	396,035.77	764,414.75	32.08673421	-103.61303103
12,291.00	17.10	169.80	12,247.98	116.11	399.96	396,024.63	764,416.84	32.08670355	-103.61302450
12,341.00	21.60	169.50	12,295.15	99.82	402.94	396,008.34	764,419.82	32.08665871	-103.61301523
12,388.00	26.70	171.50	12,338.02	80.86	406.08	395,989.38	764,422.96	32.08660653	-103.61300550
12,435.00	29.90	169.40	12,379.40	58.90	409.79	395,967.41	764,426.68	32.08654609	-103.61299398
12,482.00	31.10	173.80	12,419.90	35.31	413.26	395,943.83	764,430.15	32.08648119	-103.61298329
12,530.00	35.80	174.40	12,459.94	9.00	415.97	395,917.52	764,432.86	32.08640882	-103.61297511
12,577.00	37.90	177.40	12,497.55	-19.11	417.97	395,889.41	764,434.85	32.08633152	-103.61296927
12,624.00	41.10	175.20	12,533.81	-48.93	419.91	395,859.58	764,436.80	32.08624951	-103.61296362
12,671.00	46.70	172.60	12,567.67	-81.31	423.41	395,827.20	764,440.30	32.08616043	-103.61295303
12,718.00	53.20	172.50	12,597.89	-116.97	428.08	395,791.55	764,444.96	32.08606234	-103.61293874
12,765.00	58.90	173.80	12,624.13	-155.66	432.71	395,752.85	764,449.60	32.08595590	-103.61292461
12,815.00	62.10	173.70	12,648.75	-198.92	437.45	395,709.60	764,454.33	32.08583692	-103.61291025
12,862.00	66.40	174.20	12,669.16	-241.00	441.90	395,667.51	764,458.79	32.08572115	-103.61289676
12,909.00	69.90	175.00	12,686.65	-284.43	446.01	395,624.09	764,462.89	32.08560172	-103.61288446
12,956.00	72.20	175.50	12,701.92	-328.72	449.68	395,579.79	764,466.57	32.08547989	-103.61287354
13,004.00	73.50	176.00	12,716.07	-374.46	453.08	395,534.05	764,469.97	32.08535411	-103.61286355
13,051.00	74.50	176.00	12,729.02	-419.53	456.23	395,488.99	764,473.12	32.08523017	-103.61285435
13,097.00	76.00	176.60	12,740.74	-463.92	459.10	395,444.60	764,475.99	32.08510810	-103.61284604
13,144.00	79.30	176.80	12,750.79	-509.75	461.75	395,398.77	764,478.63	32.08498207	-103.61283850
13,192.00	83.70	176.20	12,757.88	-557.12	464.65	395,351.39	764,481.53	32.08485181	-103.61283016
13,239.00	86.40	175.50	12,761.94	-603.82	468.03	395,304.70	764,484.92	32.08472338	-103.61282023
13,286.00	87.80	175.60	12,764.31	-650.62	471.68	395,257.90	764,488.56	32.08459468	-103.61280948
13,381.00	88.10	176.30	12,767.71	-745.32	478.38	395,163.20	764,495.27	32.08433425	-103.61278987
13,475.00	89.80	176.50	12,769.43	-839.11	484.28	395,069.40	764,501.17	32.08407632	-103.61277284
13,569.00	89.30	175.90	12,770.17	-932.90	490.51	394,975.61	764,507.40	32.08381840	-103.61275475
13,663.00	90.00	176.10	12,770.75	-1,026.67	497.07	394,881.84	764,513.96	32.08356054	-103.61273560
13,757.00	91.00	176.80	12,769.93	-1,120.49	502.89	394,788.03	764,519.78	32.08330256	-103.61271884
13,852.00	90.50	175.80	12,768.68	-1,215.28	509.02	394,693.24	764,525.91	32.08304188	-103.61270109
13,946.00	90.20	175.00	12,768.11	-1,308.97	516.56	394,599.54	764,533.44	32.08278420	-103.61267877
14,041.00	91.30	176.50	12,766.86	-1,403.70	523.60	394,504.82	764,540.48	32.08252369	-103.61265809
14,135.00	92.60	176.10	12,763.67	-1,497.45	529.66	394,411.07	764,546.55	32.08226589	-103.61264054
14,230.00	93.30	178.10	12,758.78	-1,592.20	534.46	394,316.32	764,551.35	32.08200537	-103.61262708
14,324.00	93.20	179.50	12,753.45	-1,686.02	536.42	394,222.50	764,553.31	32.08174743	-103.61262276
14,418.00	90.50	179.80	12,750.41	-1,779.96	537.00	394,128.56	764,553.89	32.08148920	-103.61262294
14,512.00	89.40	179.60	12,750.49	-1,873.96	537.49	394,034.56	764,554.38	32.08123082	-103.61262338
14,607.00	88.90	178.70	12,751.90	-1,968.94	538.90	393,939.58	764,555.79	32.08096972	-103.61262087
14,701.00	89.50	178.40	12,753.22	-2,062.90	541.28	393,845.62	764,558.16	32.08071140	-103.61261522
14,795.00	91.50	178.20	12,752.40	-2,156.85	544.07	393,751.67	764,560.95	32.08045311	-103.61260825
14,890.00	94.00	180.60	12,747.84	-2,251.72	545.06	393,656.80	764,561.95	32.08019231	-103.61260708
14,983.00	91.70	181.50	12,743.21	-2,344.58	543.36	393,563.94	764,560.25	32.07993709	-103.61261458
15,034.50	89.10	180.85	12,742.86	-2,396.06	542.30	393,512.45	764,559.19	32.07979559	-103.61261910
Cross Section Line 15034.5 MD/12742.86 TVD -2396.06 S 542.30 E N: 393512.4 E: 764559.1									
15,078.00	86.90	180.30	12,744.37	-2,439.53	541.87	393,468.99	764,558.75	32.07967612	-103.61262144
15,173.00	87.50	180.30	12,749.02	-2,534.42	541.37	393,374.10	764,558.26	32.07941531	-103.61262510



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills 603H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3419.1+23 @ 3442.10usft
Site:	Sec 31-T25S-R33E	MD Reference:	3419.1+23 @ 3442.10usft
Well:	Red Hills 603H	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
15,268.00	89.70	179.30	12,751.34	-2,629.38	541.70	393,279.14	764,558.59	32.07915427	-103.61262607
15,362.00	92.30	179.10	12,749.70	-2,723.35	543.01	393,185.17	764,559.90	32.07889595	-103.61262386
15,457.00	93.70	178.90	12,744.72	-2,818.20	544.67	393,090.31	764,561.56	32.07863519	-103.61262056
15,551.00	94.50	180.40	12,738.00	-2,911.96	545.24	392,996.56	764,562.13	32.07837748	-103.61262074
15,645.00	93.80	180.80	12,731.20	-3,005.70	544.26	392,902.81	764,561.15	32.07811981	-103.61262593
15,740.00	93.00	181.70	12,725.57	-3,100.51	542.19	392,808.00	764,559.08	32.07785924	-103.61263465
15,834.00	87.50	179.20	12,725.16	-3,194.47	541.45	392,714.05	764,558.34	32.07760100	-103.61263906
15,929.00	93.70	180.20	12,724.16	-3,289.41	541.95	392,619.11	764,558.84	32.07734001	-103.61263950
16,024.00	92.10	180.20	12,719.36	-3,384.29	541.62	392,524.23	764,558.51	32.07707923	-103.61264262
16,118.00	93.50	180.40	12,714.76	-3,478.17	541.13	392,430.35	764,558.02	32.07682117	-103.61264623
16,213.00	92.60	180.20	12,709.71	-3,573.03	540.63	392,335.48	764,557.52	32.07656043	-103.61264988
16,307.00	91.40	180.80	12,706.43	-3,666.97	539.81	392,241.55	764,556.70	32.07630223	-103.61265455
16,401.00	93.20	182.00	12,702.66	-3,760.86	537.52	392,147.66	764,554.41	32.07604419	-103.61266398
16,496.00	93.10	182.30	12,697.44	-3,855.65	533.96	392,052.87	764,550.85	32.07578370	-103.61267751
16,590.00	90.40	182.80	12,694.57	-3,949.50	529.78	391,959.01	764,546.67	32.07552580	-103.61269303
16,684.00	90.20	181.90	12,694.07	-4,043.42	525.93	391,865.09	764,542.81	32.07526771	-103.61270750
16,779.00	89.60	180.30	12,694.24	-4,138.40	524.10	391,770.12	764,540.99	32.07500667	-103.61271543
16,873.00	90.80	179.50	12,693.91	-4,232.40	524.27	391,676.12	764,541.15	32.07474829	-103.61271693
16,968.00	92.70	179.20	12,691.01	-4,327.34	525.34	391,581.17	764,542.23	32.07448729	-103.61271550
17,062.00	92.00	179.30	12,687.16	-4,421.26	526.57	391,487.26	764,543.46	32.07422913	-103.61271356
17,157.00	90.90	178.00	12,684.75	-4,516.20	528.81	391,392.32	764,545.70	32.07396812	-103.61270838
17,251.00	91.00	180.60	12,683.19	-4,610.17	529.96	391,298.35	764,546.85	32.07370979	-103.61270670
17,346.00	89.80	179.20	12,682.53	-4,705.16	530.12	391,203.36	764,547.01	32.07344868	-103.61270821
17,440.00	90.00	178.80	12,682.69	-4,799.15	531.76	391,109.37	764,548.65	32.07319030	-103.61270494
17,535.00	90.00	178.50	12,682.69	-4,894.12	534.00	391,014.40	764,550.89	32.07292920	-103.61269977
17,629.00	89.10	179.60	12,683.43	-4,988.10	535.56	390,920.42	764,552.45	32.07267084	-103.61269676
17,724.00	90.10	180.20	12,684.10	-5,083.10	535.73	390,825.42	764,552.61	32.07240972	-103.61269827
17,818.00	91.30	180.60	12,682.95	-5,177.09	535.07	390,731.43	764,551.96	32.07215138	-103.61270242
17,913.00	90.80	181.00	12,681.21	-5,272.06	533.74	390,636.46	764,550.63	32.07189034	-103.61270875
18,008.00	88.00	179.30	12,682.20	-5,367.04	533.50	390,541.47	764,550.38	32.07162927	-103.61271160
18,102.00	88.70	179.10	12,684.91	-5,460.99	534.81	390,447.52	764,551.69	32.07137099	-103.61270939
18,197.00	89.90	179.00	12,686.07	-5,555.97	536.38	390,352.55	764,553.27	32.07110989	-103.61270635
18,292.00	88.20	178.80	12,687.64	-5,650.94	538.21	390,257.58	764,555.09	32.07084882	-103.61270251
18,387.00	88.80	178.60	12,690.13	-5,745.88	540.36	390,162.64	764,557.25	32.07058781	-103.61269761
18,481.00	88.90	178.10	12,692.02	-5,839.82	543.07	390,068.70	764,559.95	32.07032954	-103.61269090
18,575.00	89.20	177.30	12,693.58	-5,933.73	546.84	389,974.78	764,563.73	32.07007133	-103.61268074
18,670.00	88.70	178.10	12,695.32	-6,028.64	550.65	389,879.88	764,567.54	32.06981038	-103.61267049
18,764.00	87.30	177.70	12,698.60	-6,122.52	554.09	389,786.00	764,570.98	32.06955228	-103.61266140
18,859.00	86.30	179.60	12,703.90	-6,217.34	556.33	389,691.18	764,573.22	32.06929160	-103.61265623
18,953.00	85.10	179.60	12,710.95	-6,311.07	556.98	389,597.45	764,573.87	32.06903394	-103.61265613
19,048.00	87.20	179.60	12,717.33	-6,405.85	557.64	389,502.67	764,574.53	32.06877341	-103.61265604
19,142.00	88.30	179.00	12,721.02	-6,499.76	558.79	389,408.75	764,575.68	32.06851523	-103.61265436
19,237.00	90.20	179.80	12,722.26	-6,594.75	559.79	389,313.77	764,576.67	32.06825413	-103.61265320
19,332.00	91.70	180.10	12,720.68	-6,689.73	559.87	389,218.79	764,576.76	32.06799304	-103.61265498
19,426.00	91.10	179.50	12,718.39	-6,783.70	560.20	389,124.82	764,577.08	32.06773473	-103.61265595
19,521.00	91.90	180.70	12,715.90	-6,878.66	560.03	389,029.85	764,576.92	32.06747370	-103.61265853
19,615.00	88.40	178.40	12,715.66	-6,972.64	560.77	388,935.88	764,577.66	32.06721537	-103.61265817
19,709.00	89.30	179.40	12,717.54	-7,066.60	562.57	388,841.91	764,579.46	32.06695706	-103.61265437
19,804.00	91.20	179.70	12,717.13	-7,161.59	563.32	388,746.92	764,580.21	32.06669593	-103.61265401
19,898.00	90.50	180.30	12,715.73	-7,255.58	563.32	388,652.93	764,580.21	32.06643758	-103.61265604
19,993.00	91.70	180.10	12,713.91	-7,350.56	562.99	388,557.95	764,579.88	32.06617651	-103.61265916
20,088.00	92.40	179.80	12,710.51	-7,445.50	563.07	388,463.02	764,579.96	32.06591555	-103.61266094
20,153.00	92.50	178.80	12,707.73	-7,510.44	563.86	388,398.08	764,580.75	32.06573704	-103.61265977
Last MWD Survey 20153 MD/12707.73 TVD -7510.44 S 563.86 E N: 388398.0 E: 764580.7									



Microsoft
Survey Report - Geographic

KAISER-FRANCIS OIL COMPANY

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Red Hills 603H
Project:	Lea County, NM (NAD 83)	TVD Reference:	3419.1+23 @ 3442.10usft
Site:	Sec 31-T25S-R33E	MD Reference:	3419.1+23 @ 3442.10usft
Well:	Red Hills 603H	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
20,215.00	92.50	178.80	12,705.03	-7,572.36	565.16	388,336.15	764,582.05	32.06556679	-103.61265692
PTB 20215 MD/12705.03 -7572.36 S 565.16 E N: 388336.1 E: 764502.0									

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
207.00	207.00	0.09	-0.35	1st MWD Survey	
15,034.50	12,742.86	-2,396.06	542.30	Cross Section Line 15034.5 MD/12742.86 TVD -2396.06 S 542.30 E N: 393512	
20,153.00	12,707.73	-7,510.44	563.86	Last MWD Survey 20153 MD/12707.73 TVD -7510.44 S 563.86 E N: 388398.0	
20,215.00	12,705.03	-7,572.36	565.16	PTB 20215 MD/12705.03 -7572.36 S 565.16 E N: 388336.1 E: 764502.0	

Checked By: _____ Approved By: _____ Date: _____

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 131211

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 131211
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	8/3/2022