

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM32636

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
MOSAIC FED 2419 WA 1H9. API Well No.
30-015-47646-00-X110. Field and Pool or Exploratory Area
PURPLE SAGE-WOLFCAMP (GAS)11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KAISER FRANCIS OIL COMPANY

Contact: ERIC HANSEN

E-Mail: EricH@KFOC.net

3a. Address

TULSA, OK 74121-1468

3b. Phone No. (include area code)

Ph: 918-491-4339

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 24 T23S R28E NWNW 1045FNL 156FWL
32.295399 N Lat, 104.049149 W Lon

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Kaiser-Francis Oil Company request to change the SHL for the following wells in the Mosaic Fed Pad

1

Mosaic Fed 2419 WA 1H

API #30-015-47646

Approved SHL 1045 FNL 156 FWL 24-23S-28E Eddy County New Mexico.

Proposed SHL 985 FNL 156 FWL 24-23S-28E Eddy County New Mexico.

Mosaic Fed 2419 WA 2H

API #30-015-47647

Approved SHL 1075 FNL 156 FWL 24-23S-28E Eddy County New Mexico.

Proposed SHL 1045 FNL 156 FWL 24-23S-28E Eddy County New Mexico.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #539271 verified by the BLM Well Information System**For KAISER FRANCIS OIL COMPANY, sent to the Carlsbad****Committed to AFMSS for processing by JUANA MEDRANO on 12/07/2020 (21JM0048SE)**

Name (Printed/Typed) ERIC HANSEN

Title DRILLING ENGINEER

Signature (Electronic Submission)

Date 12/03/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CODY LAYTON

Title ASSIST FIELD MANAGER LANDS MINERALS

Date 12/09/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #539271 that would not fit on the form

32. Additional remarks, continued

Mosaic Fed 2419 WC 1H
API #30-015-46680
Approved SHL 985 FNL 156 FWL 24-23S-28E Eddy County New Mexico.
Proposed SHL 1005 FNL 156 FWL 24-23S-28E Eddy County New Mexico.

Mosaic Fed 2419 WC 2H
API #30-015-47574
Approved SHL 1015 FNL 156 FWL 24-23S-28E Eddy County New Mexico.
Proposed SHL 1025 FNL 156 FWL 24-23S-28E Eddy County New Mexico.

Kaiser Francis is also notify the BLM for a pad expansion. Expansion is approximately 1.344 Acres on the South west corner. Surface is private land. Approval from the surface owner will be made before construction. Attached are plats reflecting the expansion.

Revisions to Operator-Submitted EC Data for Sundry Notice #539271

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM32636	NMNM32636
Agreement:		
Operator:	KAISER FRANCIS OIL COMPANY 6733 SOUTH YALE AVE TULSA, OK 74136 Ph: 918-491-4339	KAISER FRANCIS OIL COMPANY TULSA, OK 74121-1468 Ph: 918.491.4314
Admin Contact:	ERIC HANSEN DRILLING ENGINEER E-Mail: EricH@KFOC.net Ph: 918-491-4339	ERIC HANSEN DRILLING ENGINEER E-Mail: EricH@KFOC.net Ph: 918-491-4339
Tech Contact:	ERIC HANSEN DRILLING ENGINEER E-Mail: EricH@KFOC.net Ph: 918-491-4339	ERIC HANSEN DRILLING ENGINEER E-Mail: EricH@KFOC.net Ph: 918-491-4339
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	BOBCAT DRAW WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	MOSAIC FED 2419 WA 1H Sec 24 T23S R28E Mer NMP FSL FEL	MOSAIC FED 2419 WA 1H Sec 24 T23S R28E NWNW 1045FNL 156FWL 32.295399 N Lat, 104.049149 W Lon

District I

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

District II

811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III

1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46680	² Pool Code 98220	³ Pool Name Purple Sage Wolfcamp
⁴ Property Code 327120	⁵ Property Name MOSAIC FED 2419 WC	⁶ Well Number 1H
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL CO.	⁹ Elevation 2986.9

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
D	24	23 S	28 E		1005	NORTH	156	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
A	19	23 S	29 E		628	NORTH	196	EAST	EDDY

¹² Dedicated Acres 636.65	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Christina Opfer 1/13/2022 Signature Date Christina Opfer Printed Name ChristinaO@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. NOVEMBER 30, 2021 Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number: 12797			

Intent ☐ As Drilled ☒

API #

Operator Name:	Property Name:	Well Number
KAISER-FRANCIS OIL CO.	MOSAIC FED 2419 WC	1H

Kick Off Point (KOP)

UL D	Section 24	Township 23S	Range 28E	Lot	Feet 824	From N/S NORTH	Feet 75	From E/W WEST	County EDDY
Latitude 32.2960065					Longitude 104.0494155			NAD 83	

First Take Point (FTP)

UL D	Section 24	Township 23S	Range 28E	Lot	Feet 685	From N/S NORTH	Feet 834	From E/W WEST	County EDDY
Latitude 32.2963778					Longitude 104.0469617			NAD 83	

Last Take Point (LTP)

UL A	Section 19	Township 23S	Range 29E	Lot	Feet 625	From N/S NORTH	Feet 401	From E/W EAST	County EDDY
Latitude 32.2961491					Longitude 104.0168312			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 #
30-015-47647

Operator Name:	Property Name:	Well Number
Kaiser-Francis Oil Company	Mosaic Fed 2419 WA	2H

KZ 06/29/2018

KAISER FRANCIS OIL CO.
MOSAIC FED 2419 WC-1H - HORIZONTAL

EDDY COUNTY, N.M. 27

SEC 24-T23S-R28E

Your Ref:

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	LATDEC (ft)	LONGDEC (dega/100ft)	Vertical Section	Dogleg Rate
0.00	0.00	0.00	0.00	0.00	0.00	32.30	-104.05	0.00	0.00
139.00	0.13	186.94	139.00	-0.16	-0.02	32.30	-104.05	-0.02	0.09
228.00	0.97	165.67	228.00	-0.99	0.16	32.30	-104.05	0.16	0.96
328.00	2.11	179.47	327.96	-3.65	0.38	32.30	-104.05	0.38	1.19
421.00	2.29	181.85	420.89	-7.22	0.34	32.30	-104.05	0.34	0.22
458.00	2.11	182.37	457.86	-8.64	0.29	32.30	-104.05	0.29	0.49
513.00	1.98	185.01	512.83	-10.59	0.16	32.30	-104.05	0.16	0.29
603.00	1.54	201.36	602.78	-13.27	-0.42	32.30	-104.05	-0.42	0.74
692.00	0.88	286.52	691.77	-14.19	-1.51	32.30	-104.05	-1.51	1.92
783.00	2.37	324.67	782.73	-12.46	-3.26	32.30	-104.05	-3.26	1.94
876.00	3.21	326.25	875.62	-8.72	-5.82	32.30	-104.05	-5.82	0.91
967.00	2.95	328.45	966.49	-4.61	-8.46	32.30	-104.05	-8.46	0.31
1060.00	2.55	328.62	1059.38	-0.80	-10.79	32.30	-104.05	-10.79	0.43
1152.00	2.42	330.64	1151.30	2.64	-12.81	32.30	-104.05	-12.81	0.17
1247.00	2.24	330.47	1246.22	6.00	-14.71	32.30	-104.05	-14.71	0.19
1341.00	1.98	325.28	1340.15	8.93	-16.54	32.30	-104.05	-16.54	0.34
1435.00	1.89	329.50	1434.10	11.61	-18.25	32.30	-104.05	-18.25	0.18
1529.00	1.85	324.14	1528.05	14.17	-19.93	32.30	-104.05	-19.93	0.19
1624.00	1.63	325.90	1623.01	16.53	-21.58	32.30	-104.05	-21.58	0.24
1719.00	1.67	323.26	1717.97	18.76	-23.17	32.30	-104.05	-23.17	0.09
1813.00	1.27	321.68	1811.94	20.68	-24.63	32.30	-104.05	-24.63	0.43
1908.00	0.40	29.00	1906.93	21.79	-25.13	32.30	-104.05	-25.13	1.24
2002.00	0.92	105.73	2000.92	21.87	-24.24	32.30	-104.05	-24.24	0.97
2097.00	1.32	115.22	2095.90	21.20	-22.52	32.30	-104.05	-22.52	0.46
2191.00	1.85	120.59	2189.87	19.97	-20.23	32.30	-104.05	-20.23	0.58
2286.00	2.73	127.97	2284.79	17.79	-17.13	32.30	-104.05	-17.13	0.98
2381.00	3.34	127.09	2379.66	14.73	-13.14	32.30	-104.05	-13.14	0.64
2475.00	3.30	121.82	2473.50	11.66	-8.65	32.30	-104.05	-8.65	0.33
2569.00	2.86	121.03	2567.36	9.02	-4.34	32.30	-104.05	-4.34	0.47
2664.00	2.64	123.93	2662.25	6.58	-0.50	32.30	-104.05	-0.50	0.27
2741.00	2.59	124.45	2739.17	4.60	2.41	32.30	-104.05	2.41	0.07

2881.00	2.64	124.37	2879.03	0.99	7.68	32.30	-104.05	7.68	0.04
2975.00	2.55	120.32	2972.93	-1.28	11.27	32.30	-104.05	11.27	0.22
3070.00	2.51	117.42	3067.84	-3.31	14.94	32.30	-104.05	14.94	0.14
3165.00	3.34	125.86	3162.71	-5.89	19.03	32.30	-104.05	19.03	0.98
3260.00	2.24	136.14	3257.60	-8.85	22.56	32.30	-104.05	22.56	1.27
3355.00	1.14	12.57	3352.58	-9.26	24.05	32.30	-104.05	24.05	3.18
3449.00	0.84	357.36	3446.56	-7.66	24.22	32.30	-104.05	24.22	0.42
3544.00	0.88	346.11	3541.55	-6.26	24.02	32.30	-104.05	24.02	0.18
3639.00	0.88	0.79	3636.54	-4.82	23.85	32.30	-104.05	23.85	0.24
3734.00	1.71	315.00	3731.52	-3.09	22.86	32.30	-104.05	22.86	1.33
3829.00	3.16	311.05	3826.43	-0.37	19.88	32.30	-104.05	19.88	1.54
3924.00	3.03	305.42	3921.29	2.81	15.86	32.30	-104.05	15.86	0.35
4019.00	3.03	306.12	4016.16	5.74	11.79	32.30	-104.05	11.79	0.04
4114.00	3.30	300.50	4111.01	8.61	7.40	32.30	-104.05	7.40	0.43
4209.00	3.16	301.03	4205.86	11.35	2.80	32.30	-104.05	2.80	0.15
4303.00	3.30	296.81	4299.71	13.90	-1.83	32.30	-104.05	-1.83	0.29
4398.00	3.12	297.33	4394.57	16.32	-6.57	32.30	-104.05	-6.57	0.19
4493.00	3.65	328.45	4489.41	20.09	-10.45	32.30	-104.05	-10.45	1.98
4588.00	3.65	325.37	4584.21	25.15	-13.75	32.30	-104.05	-13.75	0.21
4683.00	3.52	323.97	4679.03	30.00	-17.18	32.30	-104.05	-17.18	0.16
4778.00	2.95	327.04	4773.88	34.41	-20.23	32.30	-104.05	-20.23	0.63
4873.00	2.55	343.56	4868.77	38.49	-22.16	32.30	-104.05	-22.16	0.93
4968.00	2.73	334.60	4963.67	42.56	-23.73	32.30	-104.05	-23.73	0.47
5063.00	2.68	329.24	5058.56	46.51	-25.83	32.30	-104.05	-25.83	0.27
5157.00	2.42	323.70	5152.47	50.00	-28.13	32.30	-104.05	-28.13	0.38
5252.00	2.33	1.32	5247.39	53.55	-29.27	32.30	-104.05	-29.27	1.61
5347.00	2.29	354.99	5342.32	57.37	-29.39	32.30	-104.05	-29.39	0.27
5442.00	2.42	355.25	5437.24	61.26	-29.73	32.30	-104.05	-29.73	0.14
5537.00	2.24	347.87	5532.16	65.07	-30.28	32.30	-104.05	-30.28	0.37
5632.00	1.76	342.86	5627.10	68.28	-31.10	32.30	-104.05	-31.10	0.54
5727.00	1.80	340.84	5722.05	71.08	-32.02	32.30	-104.05	-32.02	0.08
5822.00	1.76	333.98	5817.01	73.80	-33.15	32.30	-104.05	-33.15	0.23
5917.00	1.85	327.31	5911.96	76.40	-34.62	32.30	-104.05	-34.62	0.24
6012.00	1.71	358.68	6006.92	79.11	-35.48	32.30	-104.05	-35.48	1.02
6107.00	2.68	18.90	6101.85	82.63	-34.79	32.30	-104.05	-34.79	1.29
6202.00	2.20	19.95	6196.76	86.45	-33.45	32.30	-104.05	-33.45	0.51
6296.00	1.89	3.96	6290.70	89.69	-32.73	32.30	-104.05	-32.73	0.69
6391.00	1.98	8.35	6385.65	92.88	-32.38	32.30	-104.05	-32.38	0.18
6486.00	1.49	15.64	6480.60	95.69	-31.81	32.30	-104.05	-31.81	0.56
6581.00	1.63	23.82	6575.57	98.11	-30.93	32.30	-104.05	-30.93	0.28
6676.00	1.32	59.50	6670.54	99.91	-29.44	32.30	-104.05	-29.44	1.00
6771.00	1.80	23.12	6765.51	101.83	-27.92	32.30	-104.05	-27.92	1.13
6866.00	0.79	8.97	6860.48	103.85	-27.23	32.30	-104.05	-27.23	1.11
6960.00	1.10	315.26	6954.47	105.13	-27.76	32.30	-104.05	-27.76	0.95
7055.00	1.63	283.18	7049.44	106.09	-29.72	32.30	-104.05	-29.72	0.96
7150.00	1.58	287.58	7144.41	106.79	-32.28	32.30	-104.05	-32.28	0.14
7245.00	1.54	285.91	7239.37	107.54	-34.76	32.30	-104.05	-34.76	0.06

7340.00	1.36	251.37	7334.34	107.53	-37.06	32.30	-104.05	-37.06	0.92
7435.00	1.85	265.87	7429.31	107.06	-39.65	32.30	-104.05	-39.65	0.67
7530.00	1.45	265.34	7524.27	106.85	-42.38	32.30	-104.05	-42.38	0.42
7625.00	1.23	267.98	7619.24	106.72	-44.60	32.30	-104.05	-44.60	0.24
7719.00	2.02	262.00	7713.20	106.45	-47.25	32.30	-104.05	-47.25	0.86
7814.00	3.43	282.83	7808.09	106.85	-51.68	32.30	-104.05	-51.68	1.79
7909.00	3.38	298.21	7902.93	108.80	-56.92	32.30	-104.05	-56.92	0.96
8004.00	4.04	329.94	7997.74	113.02	-61.06	32.30	-104.05	-61.06	2.24
8099.00	3.96	333.81	8092.51	118.86	-64.18	32.30	-104.05	-64.18	0.30
8194.00	2.81	325.11	8187.34	123.72	-66.96	32.30	-104.05	-66.96	1.32
8289.00	3.56	346.64	8282.20	128.50	-68.98	32.30	-104.05	-68.98	1.47
8383.00	3.96	351.21	8375.99	134.54	-70.15	32.30	-104.05	-70.15	0.53
8479.00	4.04	346.64	8471.76	141.11	-71.44	32.30	-104.05	-71.44	0.34
8573.00	3.65	337.15	8565.55	147.09	-73.36	32.30	-104.05	-73.36	0.79
8668.00	4.75	346.73	8660.29	153.70	-75.44	32.30	-104.05	-75.44	1.37
8763.00	4.18	335.92	8755.01	160.69	-77.76	32.30	-104.05	-77.76	1.07
8858.00	3.47	343.30	8849.80	166.61	-79.99	32.30	-104.05	-79.99	0.91
8953.00	2.68	346.82	8944.66	171.53	-81.33	32.30	-104.05	-81.33	0.85
9047.00	2.07	341.63	9038.58	175.28	-82.36	32.30	-104.05	-82.36	0.69
9142.00	1.76	320.63	9133.53	178.03	-83.83	32.30	-104.05	-83.83	0.80
9237.00	1.49	306.56	9228.49	179.90	-85.75	32.30	-104.05	-85.75	0.51
9332.00	1.27	301.82	9323.46	181.19	-87.63	32.30	-104.05	-87.63	0.26
9427.00	1.19	285.21	9418.44	182.00	-89.48	32.30	-104.05	-89.48	0.38
9522.00	0.88	298.83	9513.42	182.61	-91.07	32.30	-104.05	-91.07	0.41
9617.00	0.35	283.54	9608.42	183.03	-91.99	32.30	-104.05	-91.99	0.58
9703.00	0.75	236.16	9694.41	182.78	-92.72	32.30	-104.05	-92.72	0.67
9830.00	0.88	228.22	9821.40	181.67	-94.13	32.30	-104.05	-94.13	0.14
9925.00	1.01	234.90	9916.39	180.70	-95.36	32.30	-104.05	-95.36	0.18
10020.00	0.92	244.57	10011.37	179.89	-96.74	32.30	-104.05	-96.74	0.20
10115.00	3.38	89.53	10106.33	179.59	-94.62	32.30	-104.05	-94.62	4.45
10210.00	11.91	79.95	10200.40	181.32	-82.15	32.30	-104.05	-82.15	9.05
10305.00	19.65	82.85	10291.75	185.03	-56.61	32.30	-104.05	-56.61	8.19
10400.00	28.18	78.02	10378.52	191.68	-18.74	32.30	-104.05	-18.74	9.21
10495.00	44.92	78.28	10454.57	203.24	36.44	32.30	-104.05	36.44	17.62
10590.00	52.57	79.16	10517.17	217.16	106.43	32.30	-104.05	106.43	8.08
10685.00	56.62	77.05	10572.20	233.15	182.17	32.30	-104.05	182.17	4.63
10779.00	68.00	74.50	10615.81	253.66	262.69	32.30	-104.05	262.69	12.34
10874.00	84.31	78.19	10638.48	275.26	352.02	32.30	-104.05	352.02	17.57
10969.00	87.96	78.90	10644.88	294.08	444.90	32.30	-104.05	444.90	3.91
11061.00	88.75	79.34	10647.52	311.44	535.21	32.30	-104.05	535.21	0.98
11107.00	91.47	88.39	10647.43	316.35	580.90	32.30	-104.05	580.90	20.54
11202.00	90.68	89.09	10645.65	318.44	675.85	32.30	-104.05	675.85	1.11
11297.00	90.73	88.56	10644.48	320.38	770.83	32.30	-104.05	770.83	0.56
11392.00	90.51	88.56	10643.45	322.77	865.79	32.30	-104.05	865.79	0.23
11487.00	92.62	90.06	10640.86	323.92	960.74	32.30	-104.05	960.74	2.72
11582.00	90.86	90.23	10637.97	323.68	1055.69	32.30	-104.05	1055.69	1.86
11677.00	89.54	89.71	10637.64	323.73	1150.69	32.30	-104.04	1150.69	1.49

11772.00	87.30	89.36	10640.26	324.50	1245.64	32.30	-104.04	1245.64	2.39
11867.00	87.69	90.94	10644.41	324.25	1340.55	32.30	-104.04	1340.55	1.71
11961.00	87.43	90.85	10648.42	322.78	1434.45	32.30	-104.04	1434.45	0.29
12056.00	88.53	92.96	10651.76	319.62	1529.34	32.30	-104.04	1529.34	2.50
12151.00	89.98	96.39	10653.00	311.88	1623.99	32.30	-104.04	1623.99	3.92
12246.00	91.87	93.75	10651.47	303.49	1718.60	32.30	-104.04	1718.60	3.42
12340.00	92.13	92.78	10648.19	298.14	1812.39	32.30	-104.04	1812.39	1.07
12435.00	91.38	92.26	10645.28	293.96	1907.25	32.30	-104.04	1907.25	0.96
12530.00	88.18	89.18	10645.64	292.77	2002.22	32.30	-104.04	2002.22	4.67
12625.00	89.32	88.74	10647.71	294.49	2097.18	32.30	-104.04	2097.18	1.29
12720.00	89.85	90.15	10648.40	295.41	2192.17	32.30	-104.04	2192.17	1.59
12815.00	89.23	90.50	10649.16	294.88	2287.16	32.30	-104.04	2287.16	0.75
12910.00	87.47	90.85	10651.90	293.76	2382.11	32.30	-104.04	2382.11	1.89
13005.00	89.32	91.55	10654.56	291.77	2477.05	32.30	-104.04	2477.05	2.08
13100.00	88.53	91.64	10656.34	289.12	2572.00	32.30	-104.04	2572.00	0.84
13194.00	87.21	93.84	10659.84	284.63	2665.82	32.30	-104.04	2665.82	2.73
13289.00	85.67	91.55	10665.74	280.18	2760.52	32.30	-104.04	2760.52	2.90
13384.00	89.45	92.43	10669.78	276.88	2855.36	32.30	-104.04	2855.36	4.09
13479.00	90.64	89.53	10669.71	275.25	2950.33	32.30	-104.04	2950.33	3.30
13574.00	89.10	87.69	10669.92	277.56	3045.30	32.30	-104.04	3045.30	2.53
13669.00	88.26	85.84	10672.11	282.92	3140.11	32.30	-104.04	3140.11	2.14
13763.00	88.62	86.37	10674.67	289.30	3233.86	32.30	-104.04	3233.86	0.68
13858.00	87.87	84.43	10677.58	296.92	3328.51	32.30	-104.04	3328.51	2.19
13953.00	87.03	84.87	10681.81	305.76	3423.00	32.30	-104.04	3423.00	1.00
14048.00	87.16	86.89	10686.62	312.58	3517.63	32.30	-104.04	3517.63	2.13
14143.00	87.87	87.69	10690.74	317.07	3612.43	32.30	-104.04	3612.43	1.13
14238.00	88.18	91.20	10694.01	317.99	3707.35	32.30	-104.04	3707.35	3.71
14333.00	89.14	90.23	10696.24	316.80	3802.32	32.30	-104.04	3802.32	1.44
14427.00	90.55	91.38	10696.49	315.48	3896.30	32.30	-104.04	3896.30	1.94
14522.00	90.29	89.79	10695.79	314.51	3991.29	32.30	-104.04	3991.29	1.70
14617.00	90.20	88.74	10695.39	315.73	4086.28	32.30	-104.04	4086.28	1.11
14712.00	88.18	89.00	10696.73	317.60	4181.25	32.30	-104.04	4181.25	2.14
14807.00	87.34	90.50	10700.44	318.02	4276.17	32.30	-104.03	4276.17	1.81
14902.00	88.18	89.27	10704.16	318.21	4371.10	32.30	-104.03	4371.10	1.57
14997.00	86.51	88.65	10708.56	319.93	4465.98	32.30	-104.03	4465.98	1.87
15092.00	85.10	91.38	10715.51	319.91	4560.71	32.30	-104.03	4560.71	3.23
15186.00	85.01	90.94	10723.61	318.01	4654.34	32.30	-104.03	4654.34	0.48
15281.00	89.76	92.61	10727.94	315.07	4749.17	32.30	-104.03	4749.17	5.30
15375.00	89.45	89.97	10728.59	312.95	4843.13	32.30	-104.03	4843.13	2.83
15470.00	89.54	89.27	10729.43	313.58	4938.12	32.30	-104.03	4938.12	0.74
15565.00	92.62	92.26	10727.64	312.32	5033.08	32.30	-104.03	5033.08	4.52
15659.00	93.14	92.87	10722.92	308.12	5126.86	32.30	-104.03	5126.86	0.85
15753.00	92.31	92.43	10718.45	303.78	5220.66	32.30	-104.03	5220.66	1.00
15841.00	88.53	90.06	10717.80	301.86	5308.61	32.30	-104.03	5308.61	5.07
15936.00	87.38	87.95	10721.19	303.51	5403.53	32.30	-104.03	5403.53	2.53
16031.00	87.25	87.16	10725.64	307.56	5498.34	32.30	-104.03	5498.34	0.84
16126.00	87.91	86.10	10729.65	313.14	5593.09	32.30	-104.03	5593.09	1.31

16221.00	88.09	84.35	10732.97	321.04	5687.70	32.30	-104.03	5687.70	1.85
16316.00	90.59	88.48	10734.06	326.98	5782.47	32.30	-104.03	5782.47	5.08
16410.00	91.30	91.55	10732.51	326.96	5876.45	32.30	-104.03	5876.45	3.35
16505.00	92.00	90.94	10729.78	324.89	5971.39	32.30	-104.03	5971.39	0.98
16600.00	91.43	90.67	10726.94	323.56	6066.34	32.30	-104.03	6066.34	0.66
16695.00	90.55	90.85	10725.29	322.30	6161.31	32.30	-104.03	6161.31	0.95
16790.00	89.27	89.36	10725.44	322.12	6256.31	32.30	-104.03	6256.31	2.07
16884.00	85.98	86.54	10729.34	325.48	6350.14	32.30	-104.03	6350.14	4.61
16980.00	87.78	89.09	10734.56	329.13	6445.92	32.30	-104.03	6445.92	3.25
17074.00	87.43	90.41	10738.49	329.54	6539.83	32.30	-104.03	6539.83	1.45
17169.00	89.76	92.08	10740.82	327.48	6634.77	32.30	-104.03	6634.77	3.02
17264.00	89.76	90.76	10741.22	325.13	6729.74	32.30	-104.03	6729.74	1.39
17359.00	89.93	92.43	10741.48	322.48	6824.70	32.30	-104.03	6824.70	1.77
17454.00	89.05	96.39	10742.32	315.18	6919.40	32.30	-104.03	6919.40	4.27
17549.00	89.45	96.30	10743.57	304.68	7013.81	32.30	-104.03	7013.81	0.43
17644.00	91.69	97.35	10742.62	293.39	7108.12	32.30	-104.03	7108.12	2.60
17739.00	90.99	95.33	10740.40	282.91	7202.51	32.30	-104.03	7202.51	2.25
17834.00	90.02	94.98	10739.56	274.37	7297.12	32.30	-104.03	7297.12	1.09
17928.00	91.91	95.07	10737.98	266.14	7390.74	32.30	-104.02	7390.74	2.01
18023.00	87.60	94.89	10738.39	257.89	7485.36	32.30	-104.02	7485.36	4.54
18118.00	86.46	93.84	10743.31	250.67	7579.95	32.30	-104.02	7579.95	1.63
18213.00	85.98	93.84	10749.57	244.32	7674.53	32.30	-104.02	7674.53	0.51
18308.00	86.51	93.31	10755.79	238.41	7769.14	32.30	-104.02	7769.14	0.79
18403.00	85.49	92.96	10762.42	233.23	7863.77	32.30	-104.02	7863.77	1.13
18498.00	84.00	92.78	10771.12	228.49	7958.25	32.30	-104.02	7958.25	1.58
18592.00	84.75	91.90	10780.33	224.67	8051.72	32.30	-104.02	8051.72	1.23
18687.00	89.10	94.10	10785.43	219.71	8146.42	32.30	-104.02	8146.42	5.13
18782.00	88.92	99.11	10787.07	208.79	8240.75	32.30	-104.02	8240.75	5.28
18877.00	88.22	96.30	10789.44	196.05	8334.85	32.30	-104.02	8334.85	3.05
18972.00	89.49	90.32	10791.34	190.57	8429.63	32.30	-104.02	8429.63	6.43
19067.00	87.69	88.21	10793.68	191.79	8524.58	32.30	-104.02	8524.58	2.92
19162.00	89.98	88.30	10795.61	194.68	8619.51	32.30	-104.02	8619.51	2.41
19256.00	90.55	89.53	10795.18	196.46	8713.49	32.30	-104.02	8713.49	1.44
19351.00	89.89	86.54	10794.81	199.72	8808.42	32.30	-104.02	8808.42	3.22
19446.00	86.02	82.94	10798.20	208.42	8902.93	32.30	-104.02	8902.93	5.56
19541.00	89.63	86.02	10801.81	217.54	8997.39	32.30	-104.02	8997.39	4.99
19635.00	88.92	85.14	10803.00	224.79	9091.11	32.30	-104.02	9091.11	1.20
19730.00	88.31	84.43	10805.29	233.42	9185.68	32.30	-104.02	9185.68	0.99
19825.00	88.92	82.41	10807.59	244.30	9280.02	32.30	-104.02	9280.02	2.22
19919.00	91.69	84.43	10807.09	255.07	9373.39	32.30	-104.02	9373.39	3.65
20014.00	91.16	84.61	10804.73	264.14	9467.93	32.30	-104.02	9467.93	0.59
20109.00	88.79	86.28	10804.77	271.68	9562.62	32.30	-104.02	9562.62	3.05
20204.00	90.07	89.27	10805.71	275.37	9657.53	32.30	-104.02	9657.53	3.42
20299.00	87.52	92.52	10807.71	273.89	9752.47	32.30	-104.02	9752.47	4.35
20394.00	90.07	93.57	10809.71	268.84	9847.31	32.30	-104.02	9847.31	2.90
20489.00	88.40	92.78	10810.98	263.58	9942.15	32.30	-104.02	9942.15	1.94
20583.00	89.19	92.69	10812.96	259.10	10036.02	32.30	-104.02	10036.02	0.85

20666.00	88.84	91.99	10814.38	255.71	10118.94	32.30	-104.02	10118.94	0.94
20740.00	88.84	91.99	10815.88	253.14	10192.88	32.30	-104.02	10192.88	0.00

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to GE+24. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 90.000° (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), New Mexico East 3001
Central meridian is -104.333°.
Grid Convergence at Surface is 0.152°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 20740.00ft.,
the Bottom Hole Displacement is 10196.02ft., in the Direction of 90.000° (Grid).

NAD 27 Northing (usft)	NAD 27 Easting (usft)	NAD 83 Northing (usft)	NAD 83 Easting (usft)
471295.11	587964.04	471354.44	629146.96
471294.95	587964.02	471354.28	629146.94
471294.12	587964.20	471353.45	629147.12
471291.46	587964.42	471350.79	629147.34
471287.89	587964.38	471347.22	629147.30
471286.47	587964.33	471345.80	629147.25
471284.52	587964.20	471343.85	629147.12
471281.84	587963.62	471341.17	629146.54
471280.92	587962.53	471340.25	629145.45
471282.65	587960.78	471341.98	629143.70
471286.39	587958.22	471345.72	629141.14
471290.50	587955.58	471349.83	629138.50
471294.31	587953.25	471353.64	629136.17
471297.75	587951.23	471357.08	629134.15
471301.11	587949.33	471360.44	629132.25
471304.04	587947.50	471363.37	629130.42
471306.72	587945.79	471366.05	629128.71
471309.28	587944.11	471368.61	629127.03
471311.64	587942.46	471370.97	629125.38
471313.87	587940.87	471373.20	629123.79
471315.79	587939.41	471375.12	629122.33
471316.90	587938.91	471376.23	629121.83
471316.98	587939.80	471376.31	629122.72
471316.31	587941.52	471375.64	629124.44
471315.08	587943.81	471374.41	629126.73
471312.90	587946.91	471372.23	629129.83
471309.84	587950.90	471369.17	629133.82
471306.77	587955.39	471366.10	629138.31
471304.13	587959.70	471363.46	629142.62
471301.69	587963.54	471361.02	629146.46
471299.71	587966.45	471359.04	629149.37

471296.10	587971.72	471355.43	629154.64
471293.83	587975.31	471353.16	629158.23
471291.80	587978.98	471351.13	629161.90
471289.22	587983.07	471348.55	629165.99
471286.26	587986.60	471345.59	629169.52
471285.85	587988.09	471345.18	629171.01
471287.45	587988.26	471346.78	629171.18
471288.85	587988.06	471348.18	629170.98
471290.29	587987.89	471349.62	629170.81
471292.02	587986.90	471351.35	629169.82
471294.74	587983.92	471354.07	629166.84
471297.92	587979.90	471357.25	629162.82
471300.85	587975.83	471360.18	629158.75
471303.72	587971.44	471363.05	629154.36
471306.46	587966.84	471365.79	629149.76
471309.01	587962.21	471368.34	629145.13
471311.43	587957.47	471370.76	629140.39
471315.20	587953.59	471374.53	629136.51
471320.26	587950.29	471379.59	629133.21
471325.11	587946.86	471384.44	629129.78
471329.52	587943.81	471388.85	629126.73
471333.60	587941.88	471392.93	629124.80
471337.67	587940.31	471397.00	629123.23
471341.62	587938.21	471400.95	629121.13
471345.11	587935.91	471404.44	629118.83
471348.66	587934.77	471407.99	629117.69
471352.48	587934.65	471411.81	629117.57
471356.37	587934.31	471415.70	629117.23
471360.18	587933.76	471419.51	629116.68
471363.39	587932.94	471422.72	629115.86
471366.19	587932.02	471425.52	629114.94
471368.91	587930.89	471428.24	629113.81
471371.51	587929.42	471430.84	629112.34
471374.22	587928.56	471433.55	629111.48
471377.74	587929.25	471437.07	629112.17
471381.56	587930.59	471440.89	629113.51
471384.80	587931.31	471444.13	629114.23
471387.99	587931.66	471447.32	629114.58
471390.80	587932.23	471450.13	629115.15
471393.22	587933.11	471452.55	629116.03
471395.02	587934.60	471454.35	629117.52
471396.94	587936.12	471456.27	629119.04
471398.96	587936.81	471458.29	629119.73
471400.24	587936.28	471459.57	629119.20
471401.20	587934.32	471460.53	629117.24
471401.90	587931.76	471461.23	629114.68
471402.65	587929.28	471461.98	629112.20

471402.64	587926.98	471461.97	629109.90
471402.17	587924.39	471461.50	629107.31
471401.96	587921.66	471461.29	629104.58
471401.83	587919.44	471461.16	629102.36
471401.56	587916.79	471460.89	629099.71
471401.96	587912.36	471461.29	629095.28
471403.91	587907.12	471463.24	629090.04
471408.13	587902.98	471467.46	629085.90
471413.97	587899.86	471473.30	629082.78
471418.83	587897.08	471478.16	629080.00
471423.61	587895.06	471482.94	629077.98
471429.65	587893.89	471488.98	629076.81
471436.22	587892.60	471495.55	629075.52
471442.20	587890.68	471501.53	629073.60
471448.81	587888.60	471508.14	629071.52
471455.80	587886.28	471515.13	629069.20
471461.72	587884.05	471521.05	629066.97
471466.64	587882.71	471525.97	629065.63
471470.39	587881.68	471529.72	629064.60
471473.14	587880.21	471532.47	629063.13
471475.01	587878.29	471534.34	629061.21
471476.30	587876.41	471535.63	629059.33
471477.11	587874.56	471536.44	629057.48
471477.72	587872.97	471537.05	629055.89
471478.14	587872.05	471537.47	629054.97
471477.89	587871.32	471537.22	629054.24
471476.78	587869.91	471536.11	629052.83
471475.81	587868.68	471535.14	629051.60
471475.00	587867.30	471534.33	629050.22
471474.70	587869.42	471534.03	629052.34
471476.43	587881.89	471535.76	629064.81
471480.14	587907.43	471539.47	629090.35
471486.79	587945.30	471546.12	629128.22
471498.35	588000.48	471557.68	629183.40
471512.27	588070.47	471571.60	629253.39
471528.26	588146.21	471587.59	629329.13
471548.77	588226.73	471608.10	629409.65
471570.37	588316.06	471629.70	629498.98
471589.19	588408.94	471648.52	629591.86
471606.55	588499.25	471665.88	629682.17
471611.46	588544.94	471670.79	629727.86
471613.55	588639.89	471672.88	629822.81
471615.49	588734.87	471674.82	629917.79
471617.88	588829.83	471677.21	630012.75
471619.03	588924.78	471678.36	630107.70
471618.79	589019.73	471678.12	630202.65
471618.84	589114.73	471678.17	630297.65

471619.61	589209.68	471678.94	630392.60
471619.36	589304.59	471678.69	630487.51
471617.89	589398.49	471677.22	630581.41
471614.73	589493.38	471674.06	630676.30
471606.99	589588.03	471666.32	630770.95
471598.60	589682.64	471657.93	630865.56
471593.25	589776.43	471652.58	630959.35
471589.07	589871.29	471648.40	631054.21
471587.88	589966.26	471647.21	631149.18
471589.60	590061.22	471648.93	631244.14
471590.52	590156.21	471649.85	631339.13
471589.99	590251.20	471649.32	631434.12
471588.87	590346.15	471648.20	631529.07
471586.88	590441.09	471646.21	631624.01
471584.23	590536.04	471643.56	631718.96
471579.74	590629.86	471639.07	631812.78
471575.29	590724.56	471634.62	631907.48
471571.99	590819.40	471631.32	632002.32
471570.36	590914.37	471629.69	632097.29
471572.67	591009.34	471632.00	632192.26
471578.03	591104.15	471637.36	632287.07
471584.41	591197.90	471643.74	632380.82
471592.03	591292.55	471651.36	632475.47
471600.87	591387.04	471660.20	632569.96
471607.69	591481.67	471667.02	632664.59
471612.18	591576.47	471671.51	632759.39
471613.10	591671.39	471672.43	632854.31
471611.91	591766.36	471671.24	632949.28
471610.59	591860.34	471669.92	633043.26
471609.62	591955.33	471668.95	633138.25
471610.84	592050.32	471670.17	633233.24
471612.71	592145.29	471672.04	633328.21
471613.13	592240.21	471672.46	633423.13
471613.32	592335.14	471672.65	633518.06
471615.04	592430.02	471674.37	633612.94
471615.02	592524.75	471674.35	633707.67
471613.12	592618.38	471672.45	633801.30
471610.18	592713.21	471669.51	633896.13
471608.06	592807.17	471667.39	633990.09
471608.69	592902.16	471668.02	634085.08
471607.43	592997.12	471666.76	634180.04
471603.23	593090.90	471662.56	634273.82
471598.89	593184.70	471658.22	634367.62
471596.97	593272.65	471656.30	634455.57
471598.62	593367.57	471657.95	634550.49
471602.67	593462.38	471662.00	634645.30
471608.25	593557.13	471667.58	634740.05

471616.15	593651.74	471675.48	634834.66
471622.09	593746.51	471681.42	634929.43
471622.07	593840.49	471681.40	635023.41
471620.00	593935.43	471679.33	635118.35
471618.67	594030.38	471678.00	635213.30
471617.41	594125.35	471676.74	635308.27
471617.23	594220.35	471676.56	635403.27
471620.59	594314.18	471679.92	635497.10
471624.24	594409.96	471683.57	635592.88
471624.65	594503.87	471683.98	635686.79
471622.59	594598.81	471681.92	635781.73
471620.24	594693.78	471679.57	635876.70
471617.59	594788.74	471676.92	635971.66
471610.29	594883.44	471669.62	636066.36
471599.79	594977.85	471659.12	636160.77
471588.50	595072.16	471647.83	636255.08
471578.02	595166.55	471637.35	636349.47
471569.48	595261.16	471628.81	636444.08
471561.25	595354.78	471620.58	636537.70
471553.00	595449.40	471612.33	636632.32
471545.78	595543.99	471605.11	636726.91
471539.43	595638.57	471598.76	636821.49
471533.52	595733.18	471592.85	636916.10
471528.34	595827.81	471587.67	637010.73
471523.60	595922.29	471582.93	637105.21
471519.78	596015.76	471579.11	637198.68
471514.82	596110.46	471574.15	637293.38
471503.90	596204.79	471563.23	637387.71
471491.16	596298.89	471550.49	637481.81
471485.68	596393.67	471545.01	637576.59
471486.90	596488.62	471546.23	637671.54
471489.79	596583.55	471549.12	637766.47
471491.57	596677.53	471550.90	637860.45
471494.83	596772.46	471554.16	637955.38
471503.53	596866.97	471562.86	638049.89
471512.65	596961.43	471571.98	638144.35
471519.90	597055.15	471579.23	638238.07
471528.53	597149.72	471587.86	638332.64
471539.41	597244.06	471598.74	638426.98
471550.18	597337.43	471609.51	638520.35
471559.25	597431.97	471618.58	638614.89
471566.79	597526.66	471626.12	638709.58
471570.48	597621.57	471629.81	638804.49
471569.00	597716.51	471628.33	638899.43
471563.95	597811.35	471623.28	638994.27
471558.69	597906.19	471618.02	639089.11
471554.21	598000.06	471613.54	639182.98

471550.82	598082.98	471610.15	639265.90
471548.25	598156.92	471607.58	639339.84

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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 144978

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 144978
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	9/26/2022