

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. MOSAIC FED 2419 WA 1H
2. Name of Operator KAISER FRANCIS OIL COMPANY		9. API Well No. 30-015-47646-00-X1
Contact: ERIC HANSEN E-Mail: EricH@KFOC.net		
3a. Address TULSA, OK 74121-1468	3b. Phone No. (include area code) Ph: 918-491-4339	10. Field and Pool or Exploratory Area PURPLE SAGE-WOLFCAMP (GAS)
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		11. County or Parish, State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recomplete 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 recompletion 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 <u>CODY LAYTON</u>	Title <u>ASSIST FIELD MANAGER LANDS MINERALS</u>	Date <u>12/09/2020</u>
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 <u>Carlsbad</u>

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 30-015-47646		² Pool Code 98220		³ Pool Name Purple Sage Wolfcamp	
⁴ Property Code 329792		⁵ Property Name MOSAIC FED 2419 WA			⁶ Well Number 1H
⁷ OGRID No. 12361		⁸ Operator Name KAISER-FRANCIS OIL CO.			⁹ Elevation 2986.8

¹⁰ Surface Location

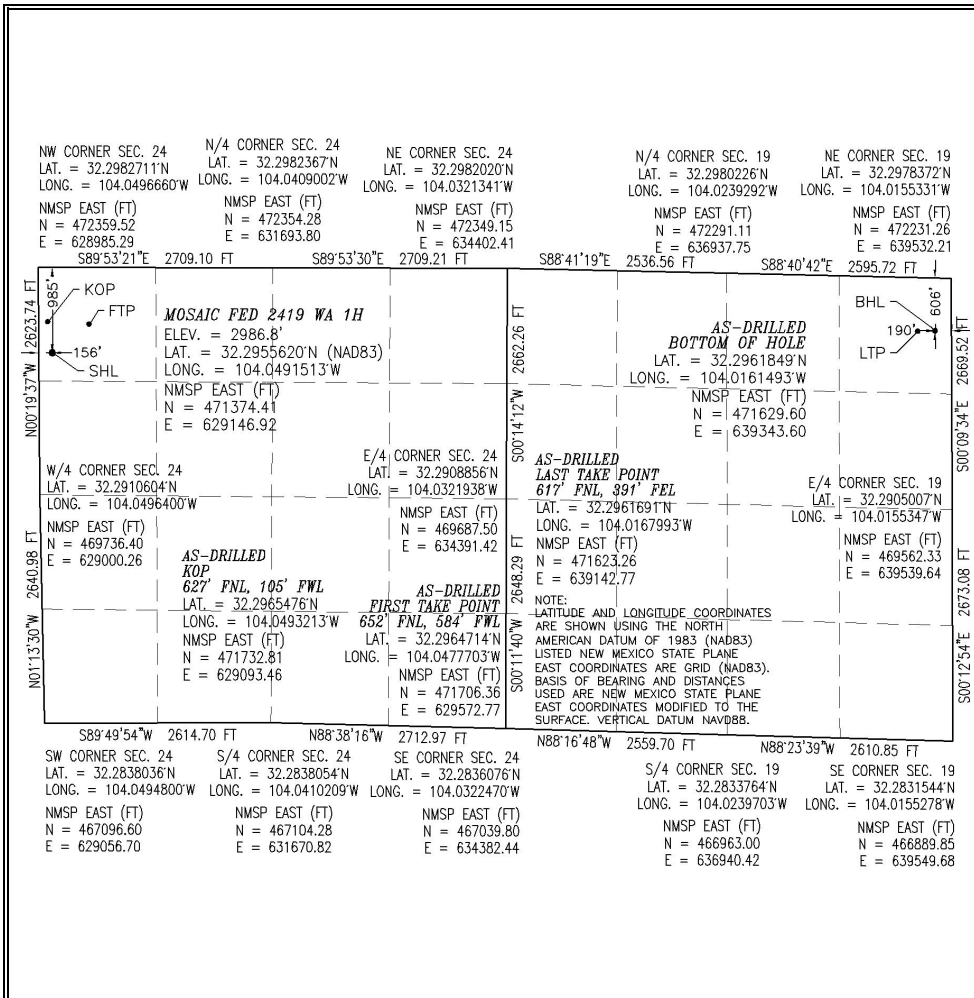
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	24	23 S	28 E		985	NORTH	156	WEST	EDDY

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		606	NORTH	190	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 1/14/2022
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

WILMON F. JARAMILLO
Professional Surveyor
Signature and Seal

Certificate Number: **WILMON F. JARAMILLO, PLS 12797**
SURVEY NO. 6830A

Intent As Drilled

API #

Operator Name: KAISER-FRANCIS OIL CO.	Property Name: MOSAIC FED 2419 WA	Well Number 1H
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Kick Off Point (KOP)

UL D	Section 24	Township 23S	Range 28E	Lot	Feet 627	From N/S NORTH	Feet 105	From E/W WEST	County EDDY
Latitude 32.2965476					Longitude 104.0493213				NAD 83

First Take Point (FTP)

UL D	Section 24	Township 23S	Range 28E	Lot	Feet 652	From N/S NORTH	Feet 584	From E/W WEST	County EDDY
Latitude 32.2964714					Longitude 104.0477703				NAD 83

Last Take Point (LTP)

UL A	Section 19	Township 23S	Range 29E	Lot	Feet 617	From N/S NORTH	Feet 391	From E/W EAST	County EDDY
Latitude 32.2961691					Longitude 104.0167993				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: Kaiser-Francis Oil Company	Property Name: Mosaic Fed 2419 WA	Well Number 2H
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KZ 06/29/2018

KAISER FRANCIS OIL CO.
 MOSAIC FED 2419 WA-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	0.26	21.18	139.00	0.29	0.11	32.30	-104.05	0.11	0.19
228.00	0.44	29.00	228.00	0.78	0.35	32.30	-104.05	0.35	0.21
318.00	0.62	356.92	317.99	1.57	0.49	32.30	-104.05	0.49	0.38
459.00	0.48	338.12	458.99	2.88	0.23	32.30	-104.05	0.23	0.16
513.00	0.57	310.43	512.99	3.26	-0.06	32.30	-104.05	-0.06	0.49
603.00	0.35	273.78	602.98	3.57	-0.67	32.30	-104.05	-0.67	0.40
692.00	0.31	264.64	691.98	3.57	-1.18	32.30	-104.05	-1.18	0.07
783.00	0.53	220.96	782.98	3.23	-1.70	32.30	-104.05	-1.70	0.41
876.00	0.75	226.41	875.97	2.48	-2.43	32.30	-104.05	-2.43	0.25
967.00	0.84	217.53	966.96	1.54	-3.26	32.30	-104.05	-3.26	0.17
1060.00	0.62	209.09	1059.96	0.56	-3.92	32.30	-104.05	-3.92	0.26
1152.00	0.66	214.80	1151.95	-0.31	-4.47	32.30	-104.05	-4.47	0.08
1247.00	0.92	336.80	1246.95	-0.06	-5.08	32.30	-104.05	-5.08	1.46
1341.00	1.41	338.91	1340.93	1.72	-5.79	32.30	-104.05	-5.79	0.52
1435.00	0.97	321.42	1434.91	3.42	-6.71	32.30	-104.05	-6.71	0.60
1529.00	2.02	338.20	1528.87	5.58	-7.82	32.30	-104.05	-7.82	1.20
1624.00	3.69	340.49	1623.75	10.01	-9.46	32.30	-104.05	-9.46	1.76
1719.00	4.97	340.05	1718.48	16.76	-11.89	32.30	-104.05	-11.89	1.35
1813.00	5.41	339.79	1812.09	24.75	-14.81	32.30	-104.05	-14.81	0.47
1908.00	5.01	346.55	1906.70	32.99	-17.32	32.30	-104.05	-17.32	0.77
2002.00	5.71	350.68	2000.29	41.59	-19.03	32.30	-104.05	-19.03	0.85
2097.00	6.29	352.18	2094.77	51.41	-20.50	32.30	-104.05	-20.50	0.63
2191.00	5.23	355.87	2188.29	60.79	-21.51	32.30	-104.05	-21.51	1.19
2286.00	5.14	359.39	2282.91	69.36	-21.87	32.30	-104.05	-21.87	0.35
2381.00	6.11	358.24	2377.45	78.67	-22.07	32.30	-104.05	-22.07	1.03
2475.00	6.95	354.81	2470.84	89.34	-22.74	32.30	-104.05	-22.74	0.98
2569.00	6.46	354.29	2564.19	100.26	-23.78	32.30	-104.05	-23.78	0.53
2664.00	6.11	353.50	2658.62	110.60	-24.88	32.30	-104.05	-24.88	0.38
2741.00	5.93	352.71	2735.20	118.62	-25.85	32.30	-104.05	-25.85	0.26
2881.00	5.93	353.19	2874.45	132.97	-27.63	32.30	-104.05	-27.63	0.04
2976.00	5.89	352.23	2968.94	142.68	-28.87	32.30	-104.05	-28.87	0.11

3071.00	7.12	355.74	3063.33	153.38	-29.96	32.30	-104.05	-29.96	1.36
3166.00	7.08	355.92	3157.60	165.09	-30.82	32.30	-104.05	-30.82	0.05
3261.00	6.86	355.30	3251.90	176.58	-31.70	32.30	-104.05	-31.70	0.24
3355.00	6.86	354.42	3345.23	187.76	-32.71	32.30	-104.05	-32.71	0.11
3450.00	6.42	352.14	3439.59	198.67	-33.98	32.30	-104.05	-33.98	0.54
3545.00	5.76	348.97	3534.05	208.61	-35.62	32.30	-104.05	-35.62	0.78
3640.00	6.81	347.04	3628.48	218.78	-37.80	32.30	-104.05	-37.80	1.13
3735.00	7.56	347.48	3722.73	230.37	-40.42	32.30	-104.05	-40.42	0.79
3830.00	7.74	345.72	3816.89	242.67	-43.35	32.30	-104.05	-43.35	0.31
3924.00	7.65	344.93	3910.04	254.85	-46.54	32.30	-104.05	-46.54	0.15
4019.00	7.30	342.56	4004.24	266.71	-49.99	32.30	-104.05	-49.99	0.49
4114.00	7.12	341.42	4098.48	278.05	-53.67	32.30	-104.05	-53.67	0.24
4209.00	6.81	340.36	4192.78	288.94	-57.44	32.30	-104.05	-57.44	0.35
4304.00	6.11	347.48	4287.18	299.18	-60.43	32.30	-104.05	-60.43	1.12
4399.00	6.11	346.51	4381.64	309.03	-62.71	32.30	-104.05	-62.71	0.11
4494.00	6.02	347.04	4476.11	318.80	-65.00	32.30	-104.05	-65.00	0.11
4589.00	5.63	353.19	4570.62	328.28	-66.67	32.30	-104.05	-66.67	0.77
4684.00	5.27	7.34	4665.19	337.24	-66.67	32.30	-104.05	-66.67	1.46
4779.00	4.62	10.33	4759.84	345.33	-65.43	32.30	-104.05	-65.43	0.74
4874.00	2.24	349.15	4854.67	350.92	-65.09	32.30	-104.05	-65.09	2.80
4969.00	0.70	283.23	4949.64	352.87	-66.00	32.30	-104.05	-66.00	2.16
5064.00	0.84	220.48	5044.63	352.47	-67.02	32.30	-104.05	-67.02	0.85
5158.00	0.75	225.84	5138.62	351.52	-67.91	32.30	-104.05	-67.91	0.12
5253.00	0.57	226.89	5233.61	350.77	-68.70	32.30	-104.05	-68.70	0.19
5348.00	0.48	228.30	5328.61	350.18	-69.34	32.30	-104.05	-69.34	0.10
5443.00	0.53	225.66	5423.61	349.61	-69.95	32.30	-104.05	-69.95	0.06
5538.00	0.48	231.73	5518.60	349.05	-70.58	32.30	-104.05	-70.58	0.08
5633.00	0.48	214.50	5613.60	348.48	-71.12	32.30	-104.05	-71.12	0.15
5728.00	0.48	223.91	5708.60	347.86	-71.62	32.30	-104.05	-71.62	0.08
5823.00	0.53	213.10	5803.59	347.21	-72.14	32.30	-104.05	-72.14	0.11
5918.00	0.48	210.19	5898.59	346.50	-72.58	32.30	-104.05	-72.58	0.06
6013.00	0.40	208.96	5993.59	345.86	-72.94	32.30	-104.05	-72.94	0.08
6108.00	0.26	215.91	6088.59	345.40	-73.22	32.30	-104.05	-73.22	0.15
6203.00	0.22	266.88	6183.58	345.21	-73.53	32.30	-104.05	-73.53	0.22
6297.00	0.22	324.63	6277.58	345.35	-73.82	32.30	-104.05	-73.82	0.23
6392.00	0.66	353.54	6372.58	346.04	-73.98	32.30	-104.05	-73.98	0.50
6487.00	1.27	351.87	6467.57	347.63	-74.19	32.30	-104.05	-74.19	0.64
6582.00	1.89	346.16	6562.53	350.19	-74.72	32.30	-104.05	-74.72	0.67
6677.00	2.77	339.57	6657.45	353.86	-75.89	32.30	-104.05	-75.89	0.97
6772.00	2.02	306.17	6752.37	357.00	-78.05	32.30	-104.05	-78.05	1.63
6867.00	1.80	286.40	6847.32	358.41	-80.83	32.30	-104.05	-80.83	0.73
6961.00	1.76	276.38	6941.28	358.99	-83.68	32.30	-104.05	-83.68	0.33
7056.00	2.29	262.84	7036.22	358.92	-87.01	32.30	-104.05	-87.01	0.75
7151.00	2.64	247.55	7131.13	357.84	-90.92	32.30	-104.05	-90.92	0.78
7246.00	1.71	239.20	7226.06	356.28	-94.16	32.30	-104.05	-94.16	1.03
7341.00	1.89	240.08	7321.01	354.78	-96.73	32.30	-104.05	-96.73	0.19
7436.00	1.85	245.35	7415.96	353.36	-99.48	32.30	-104.05	-99.48	0.19

7531.00	0.92	294.13	7510.94	353.03	-101.57	32.30	-104.05	-101.57	1.50
7625.00	1.23	33.36	7604.93	354.18	-101.71	32.30	-104.05	-101.71	1.76
7720.00	2.46	64.65	7699.88	355.90	-99.31	32.30	-104.05	-99.31	1.63
7815.00	2.59	63.07	7794.78	357.75	-95.55	32.30	-104.05	-95.55	0.16
7910.00	1.93	66.14	7889.71	359.37	-92.17	32.30	-104.05	-92.17	0.71
8005.00	1.80	56.74	7984.66	360.83	-89.46	32.30	-104.05	-89.46	0.35
8100.00	1.63	50.94	8079.62	362.50	-87.16	32.30	-104.05	-87.16	0.26
8195.00	1.45	51.64	8174.58	364.10	-85.17	32.30	-104.05	-85.17	0.19
8290.00	1.05	63.59	8269.56	365.23	-83.45	32.30	-104.05	-83.45	0.50
8385.00	1.14	71.85	8364.54	365.91	-81.77	32.30	-104.05	-81.77	0.19
8479.00	0.92	71.94	8458.53	366.44	-80.17	32.30	-104.05	-80.17	0.23
8574.00	0.57	56.30	8553.52	366.94	-79.05	32.30	-104.05	-79.05	0.42
8669.00	0.31	15.08	8648.52	367.45	-78.59	32.30	-104.05	-78.59	0.41
8764.00	0.88	330.69	8743.51	368.33	-78.88	32.30	-104.05	-78.88	0.73
8859.00	0.75	293.16	8838.50	369.21	-79.81	32.30	-104.05	-79.81	0.57
8954.00	0.66	246.58	8933.50	369.24	-80.88	32.30	-104.05	-80.88	0.59
8981.00	0.75	222.68	8960.49	369.05	-81.14	32.30	-104.05	-81.14	1.13
9074.00	1.01	199.38	9053.48	367.83	-81.83	32.30	-104.05	-81.83	0.47
9169.00	1.05	207.29	9148.47	366.26	-82.51	32.30	-104.05	-82.51	0.16
9264.00	9.89	104.99	9243.00	363.37	-75.00	32.30	-104.05	-75.00	10.70
9359.00	17.01	101.65	9335.34	358.45	-53.49	32.30	-104.05	-53.49	7.54
9454.00	24.57	100.68	9424.09	351.98	-20.42	32.30	-104.05	-20.42	7.97
9549.00	32.00	95.50	9507.70	345.89	24.11	32.30	-104.05	24.11	8.23
9644.00	45.80	92.07	9581.46	342.23	83.49	32.30	-104.05	83.49	14.70
9739.00	54.24	89.61	9642.45	341.26	156.21	32.30	-104.05	156.21	9.10
9834.00	67.65	92.77	9688.49	339.39	239.02	32.30	-104.05	239.02	14.41
9887.00	78.07	93.04	9704.09	336.83	289.54	32.30	-104.05	289.54	19.67
9929.00	85.71	92.42	9710.01	334.85	331.04	32.30	-104.05	331.04	18.25
10024.00	91.43	91.02	9712.38	332.00	425.92	32.30	-104.05	425.92	6.20
10118.00	90.42	89.52	9710.86	331.56	519.91	32.30	-104.05	519.91	1.92
10213.00	89.76	89.17	9710.72	332.65	614.90	32.30	-104.05	614.90	0.79
10308.00	86.15	88.73	9714.11	334.38	709.81	32.30	-104.05	709.81	3.83
10403.00	87.34	89.70	9719.50	335.68	804.64	32.30	-104.05	804.64	1.62
10498.00	94.64	90.75	9717.86	335.31	899.56	32.30	-104.05	899.56	7.76
10593.00	91.87	90.84	9712.47	334.00	994.39	32.30	-104.05	994.39	2.92
10688.00	88.75	89.96	9711.95	333.33	1089.37	32.30	-104.05	1089.37	3.41
10783.00	89.36	90.14	9713.52	333.25	1184.36	32.30	-104.04	1184.36	0.67
10878.00	90.90	89.52	9713.30	333.53	1279.36	32.30	-104.04	1279.36	1.75
10972.00	88.00	90.14	9714.20	333.81	1373.34	32.30	-104.04	1373.34	3.15
11067.00	87.69	90.05	9717.78	333.65	1468.27	32.30	-104.04	1468.27	0.34
11162.00	91.43	92.42	9718.51	331.61	1563.23	32.30	-104.04	1563.23	4.66
11257.00	89.76	92.16	9717.52	327.81	1658.14	32.30	-104.04	1658.14	1.78
11352.00	82.77	92.95	9723.70	323.59	1752.79	32.30	-104.04	1752.79	7.40
11447.00	82.46	94.18	9735.92	317.73	1846.81	32.30	-104.04	1846.81	1.32
11542.00	84.13	92.77	9747.01	312.02	1940.98	32.30	-104.04	1940.98	2.29
11637.00	87.30	91.10	9754.11	308.82	2035.65	32.30	-104.04	2035.65	3.77
11732.00	88.70	89.96	9757.42	307.94	2130.58	32.30	-104.04	2130.58	1.90

11826.00	89.71	90.58	9758.73	307.50	2224.57	32.30	-104.04	2224.57	1.26
11921.00	89.54	90.84	9759.35	306.32	2319.56	32.30	-104.04	2319.56	0.33
12016.00	86.95	90.40	9762.26	305.29	2414.50	32.30	-104.04	2414.50	2.77
12111.00	90.20	90.49	9764.62	304.56	2509.46	32.30	-104.04	2509.46	3.42
12206.00	91.65	90.58	9763.09	303.67	2604.44	32.30	-104.04	2604.44	1.53
12301.00	87.47	89.43	9763.81	303.66	2699.41	32.30	-104.04	2699.41	4.56
12395.00	88.62	89.70	9767.02	304.37	2793.35	32.30	-104.04	2793.35	1.26
12490.00	90.02	89.43	9768.15	305.10	2888.34	32.30	-104.04	2888.34	1.50
12585.00	88.31	88.20	9769.53	307.06	2983.31	32.30	-104.04	2983.31	2.22
12680.00	87.69	86.80	9772.85	311.20	3078.16	32.30	-104.04	3078.16	1.61
12775.00	90.68	88.38	9774.20	315.19	3173.05	32.30	-104.04	3173.05	3.56
12870.00	90.90	89.61	9772.89	316.86	3268.02	32.30	-104.04	3268.02	1.32
12965.00	90.07	90.66	9772.09	316.64	3363.02	32.30	-104.04	3363.02	1.41
13060.00	88.31	90.40	9773.43	315.76	3458.00	32.30	-104.04	3458.00	1.87
13154.00	89.80	90.84	9774.98	314.74	3551.98	32.30	-104.04	3551.98	1.65
13248.00	89.45	89.52	9775.59	314.44	3645.97	32.30	-104.04	3645.97	1.45
13376.00	87.34	88.47	9779.18	316.69	3773.90	32.30	-104.04	3773.90	1.84
13471.00	87.38	89.08	9783.56	318.72	3868.77	32.30	-104.04	3868.77	0.64
13566.00	88.04	91.10	9787.35	318.57	3963.69	32.30	-104.04	3963.69	2.24
13661.00	89.49	91.19	9789.40	316.67	4058.65	32.30	-104.04	4058.65	1.53
13756.00	90.11	91.02	9789.73	314.84	4153.63	32.30	-104.04	4153.63	0.68
13850.00	91.47	92.51	9788.43	311.94	4247.57	32.30	-104.03	4247.57	2.15
13945.00	91.30	90.84	9786.14	309.17	4342.50	32.30	-104.03	4342.50	1.77
14040.00	91.56	92.07	9783.77	306.76	4437.44	32.30	-104.03	4437.44	1.32
14135.00	90.07	93.48	9782.42	302.16	4532.31	32.30	-104.03	4532.31	2.16
14230.00	87.52	94.27	9784.41	295.74	4627.06	32.30	-104.03	4627.06	2.81
14325.00	87.38	93.83	9788.64	289.04	4721.73	32.30	-104.03	4721.73	0.49
14420.00	87.52	93.30	9792.87	283.14	4816.45	32.30	-104.03	4816.45	0.58
14515.00	88.04	93.39	9796.55	277.60	4911.22	32.30	-104.03	4911.22	0.56
14609.00	88.35	92.60	9799.51	272.69	5005.05	32.30	-104.03	5005.05	0.90
14704.00	88.66	92.16	9801.99	268.74	5099.93	32.30	-104.03	5099.93	0.57
14799.00	88.97	91.89	9803.95	265.39	5194.85	32.30	-104.03	5194.85	0.43
14894.00	89.01	91.72	9805.63	262.40	5289.79	32.30	-104.03	5289.79	0.18
14989.00	89.36	91.37	9806.98	259.83	5384.74	32.30	-104.03	5384.74	0.52
15084.00	88.92	91.19	9808.40	257.71	5479.71	32.30	-104.03	5479.71	0.50
15178.00	88.79	90.75	9810.28	256.12	5573.68	32.30	-104.03	5573.68	0.49
15273.00	88.75	91.54	9812.32	254.22	5668.64	32.30	-104.03	5668.64	0.83
15368.00	88.44	91.63	9814.65	251.60	5763.57	32.30	-104.03	5763.57	0.34
15462.00	86.15	91.54	9819.09	249.00	5857.42	32.30	-104.03	5857.42	2.44
15556.00	86.33	91.10	9825.25	246.84	5951.20	32.30	-104.03	5951.20	0.50
15651.00	86.37	90.75	9831.30	245.31	6045.99	32.30	-104.03	6045.99	0.37
15746.00	86.64	90.40	9837.09	244.36	6140.81	32.30	-104.03	6140.81	0.46
15840.00	87.43	90.14	9841.95	243.91	6234.68	32.30	-104.03	6234.68	0.88
15935.00	89.93	90.66	9844.14	243.25	6329.65	32.30	-104.03	6329.65	2.69
16030.00	89.14	90.14	9844.91	242.59	6424.64	32.30	-104.03	6424.64	1.00
16125.00	87.91	88.82	9847.36	243.45	6519.60	32.30	-104.03	6519.60	1.90
16220.00	89.54	88.47	9849.47	245.70	6614.55	32.30	-104.03	6614.55	1.75

16315.00	86.77	87.50	9852.53	249.03	6709.43	32.30	-104.03	6709.43	3.09
16410.00	86.90	86.97	9857.77	253.61	6804.17	32.30	-104.03	6804.17	0.57
16504.00	90.99	87.41	9859.50	258.22	6898.02	32.30	-104.03	6898.02	4.38
16599.00	90.86	86.97	9857.97	262.87	6992.90	32.30	-104.03	6992.90	0.48
16694.00	91.12	86.80	9856.33	268.03	7087.74	32.30	-104.03	7087.74	0.33
16789.00	90.90	88.11	9854.65	272.25	7182.63	32.30	-104.03	7182.63	1.40
16884.00	89.65	88.20	9854.20	275.31	7277.58	32.30	-104.03	7277.58	1.32
16979.00	88.04	89.43	9856.11	277.27	7372.53	32.30	-104.02	7372.53	2.13
17074.00	91.82	91.63	9856.23	276.40	7467.51	32.30	-104.02	7467.51	4.60
17169.00	90.20	92.33	9854.55	273.11	7562.43	32.30	-104.02	7562.43	1.86
17264.00	90.33	93.83	9854.12	268.01	7657.29	32.30	-104.02	7657.29	1.58
17359.00	87.47	94.27	9855.94	261.30	7752.03	32.30	-104.02	7752.03	3.05
17454.00	87.03	94.27	9860.50	254.24	7846.65	32.30	-104.02	7846.65	0.46
17549.00	90.86	93.92	9862.25	247.46	7941.38	32.30	-104.02	7941.38	4.05
17644.00	92.62	94.00	9859.36	240.90	8036.10	32.30	-104.02	8036.10	1.85
17739.00	86.11	93.04	9860.41	235.07	8130.87	32.30	-104.02	8130.87	6.93
17833.00	86.42	92.51	9866.54	230.53	8224.56	32.30	-104.02	8224.56	0.65
17928.00	89.10	91.81	9870.25	226.95	8319.41	32.30	-104.02	8319.41	2.92
18023.00	86.95	91.54	9873.52	224.18	8414.30	32.30	-104.02	8414.30	2.28
18118.00	85.49	90.40	9879.79	222.57	8509.08	32.30	-104.02	8509.08	1.95
18213.00	85.63	89.87	9887.14	222.35	8603.79	32.30	-104.02	8603.79	0.58
18308.00	85.93	89.61	9894.13	222.78	8698.53	32.30	-104.02	8698.53	0.42
18403.00	89.19	90.22	9898.18	222.92	8793.44	32.30	-104.02	8793.44	3.49
18497.00	89.49	89.70	9899.26	222.98	8887.43	32.30	-104.02	8887.43	0.64
18592.00	93.45	90.40	9896.82	222.90	8982.38	32.30	-104.02	8982.38	4.23
18687.00	93.23	89.96	9891.29	222.60	9077.22	32.30	-104.02	9077.22	0.52
18781.00	92.62	90.14	9886.49	222.52	9171.09	32.30	-104.02	9171.09	0.68
18876.00	87.30	90.22	9886.56	222.22	9266.06	32.30	-104.02	9266.06	5.60
18971.00	88.75	90.40	9889.83	221.71	9361.00	32.30	-104.02	9361.00	1.54
19066.00	84.79	88.64	9895.18	222.50	9455.82	32.30	-104.02	9455.82	4.56
19161.00	84.92	87.68	9903.70	225.54	9550.39	32.30	-104.02	9550.39	1.02
19256.00	85.32	86.97	9911.78	229.96	9644.94	32.30	-104.02	9644.94	0.86
19351.00	86.20	86.27	9918.81	235.54	9739.51	32.30	-104.02	9739.51	1.18
19445.00	87.47	86.62	9924.00	241.36	9833.19	32.30	-104.02	9833.19	1.40
19540.00	89.63	87.59	9926.40	246.16	9928.03	32.30	-104.02	9928.03	2.49
19634.00	90.11	87.94	9926.61	249.82	10021.96	32.30	-104.02	10021.96	0.63
19737.00	90.99	88.38	9925.63	253.13	10124.90	32.30	-104.02	10124.90	0.96
19811.00	90.99	88.38	9924.35	255.22	10198.86	32.30	-104.02	10198.86	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 19811.00ft., the Bottom Hole Displacement is 10202.05ft., in the Direction of 90.000° (Grid).

NAD 27 Northing (usf)	NAD 27 Easting (usft)	NAD 83 Northing (usft)	NAD 83 Easting (usft)
471315.07	587964.00	471374.41	629146.92
471315.36	587964.11	471374.70	629147.03
471315.85	587964.35	471375.19	629147.27
471316.64	587964.49	471375.98	629147.41
471317.95	587964.23	471377.29	629147.15
471318.33	587963.94	471377.67	629146.86
471318.64	587963.33	471377.98	629146.25
471318.64	587962.82	471377.98	629145.74
471318.30	587962.30	471377.64	629145.22
471317.55	587961.57	471376.89	629144.49
471316.61	587960.74	471375.95	629143.66
471315.63	587960.08	471374.97	629143.00
471314.76	587959.53	471374.10	629142.45
471315.01	587958.92	471374.35	629141.84
471316.79	587958.21	471376.13	629141.13
471318.49	587957.29	471377.83	629140.21
471320.65	587956.18	471379.99	629139.10
471325.08	587954.54	471384.42	629137.46
471331.83	587952.11	471391.17	629135.03
471339.82	587949.19	471399.16	629132.11
471348.06	587946.68	471407.40	629129.60
471356.66	587944.97	471416.00	629127.89
471366.48	587943.50	471425.82	629126.42
471375.86	587942.49	471435.20	629125.41
471384.43	587942.13	471443.77	629125.05
471393.74	587941.93	471453.08	629124.85
471404.41	587941.26	471463.75	629124.18
471415.33	587940.22	471474.67	629123.14
471425.67	587939.12	471485.01	629122.04
471433.69	587938.15	471493.03	629121.07
471448.04	587936.37	471507.38	629119.29
471457.75	587935.13	471517.09	629118.05

471468.45	587934.04	471527.79	629116.96
471480.16	587933.18	471539.50	629116.10
471491.65	587932.30	471550.99	629115.22
471502.83	587931.29	471562.17	629114.21
471513.74	587930.02	471573.08	629112.94
471523.68	587928.38	471583.02	629111.30
471533.85	587926.20	471593.19	629109.12
471545.44	587923.58	471604.78	629106.50
471557.74	587920.65	471617.08	629103.57
471569.92	587917.46	471629.26	629100.38
471581.78	587914.01	471641.12	629096.93
471593.12	587910.33	471652.46	629093.25
471604.01	587906.56	471663.35	629089.48
471614.25	587903.57	471673.59	629086.49
471624.10	587901.29	471683.44	629084.21
471633.87	587899.00	471693.21	629081.92
471643.35	587897.33	471702.69	629080.25
471652.31	587897.33	471711.65	629080.25
471660.40	587898.57	471719.74	629081.49
471665.99	587898.91	471725.33	629081.83
471667.94	587898.00	471727.28	629080.92
471667.54	587896.98	471726.88	629079.90
471666.59	587896.09	471725.93	629079.01
471665.84	587895.30	471725.18	629078.22
471665.25	587894.66	471724.59	629077.58
471664.68	587894.05	471724.02	629076.97
471664.12	587893.42	471723.46	629076.34
471663.55	587892.88	471722.89	629075.80
471662.93	587892.38	471722.27	629075.30
471662.28	587891.86	471721.62	629074.78
471661.57	587891.42	471720.91	629074.34
471660.93	587891.06	471720.27	629073.98
471660.47	587890.78	471719.81	629073.70
471660.28	587890.47	471719.62	629073.39
471660.42	587890.18	471719.76	629073.10
471661.11	587890.02	471720.45	629072.94
471662.70	587889.81	471722.04	629072.73
471665.26	587889.28	471724.60	629072.20
471668.93	587888.11	471728.27	629071.03
471672.07	587885.95	471731.41	629068.87
471673.48	587883.17	471732.82	629066.09
471674.06	587880.32	471733.40	629063.24
471673.99	587876.99	471733.33	629059.91
471672.91	587873.08	471732.25	629056.00
471671.35	587869.84	471730.69	629052.76
471669.85	587867.27	471729.19	629050.19
471668.43	587864.52	471727.77	629047.44

471668.10	587862.43	471727.44	629045.35
471669.25	587862.29	471728.59	629045.21
471670.97	587864.69	471730.31	629047.61
471672.82	587868.45	471732.16	629051.37
471674.44	587871.83	471733.78	629054.75
471675.90	587874.54	471735.24	629057.46
471677.57	587876.84	471736.91	629059.76
471679.17	587878.83	471738.51	629061.75
471680.30	587880.55	471739.64	629063.47
471680.98	587882.23	471740.32	629065.15
471681.51	587883.83	471740.85	629066.75
471682.01	587884.95	471741.35	629067.87
471682.52	587885.41	471741.86	629068.33
471683.40	587885.12	471742.74	629068.04
471684.28	587884.19	471743.62	629067.11
471684.31	587883.12	471743.65	629066.04
471684.12	587882.86	471743.46	629065.78
471682.90	587882.17	471742.24	629065.09
471681.33	587881.49	471740.67	629064.41
471678.44	587889.00	471737.78	629071.92
471673.52	587910.51	471732.86	629093.43
471667.05	587943.58	471726.39	629126.50
471660.96	587988.11	471720.30	629171.03
471657.30	588047.49	471716.64	629230.41
471656.33	588120.21	471715.67	629303.13
471654.46	588203.02	471713.80	629385.94
471651.90	588253.54	471711.24	629436.46
471649.92	588295.04	471709.26	629477.96
471647.07	588389.92	471706.41	629572.84
471646.63	588483.91	471705.97	629666.83
471647.72	588578.90	471707.06	629761.82
471649.45	588673.81	471708.79	629856.73
471650.75	588768.64	471710.09	629951.56
471650.38	588863.56	471709.72	630046.48
471649.07	588958.39	471708.41	630141.31
471648.40	589053.37	471707.74	630236.29
471648.32	589148.36	471707.66	630331.28
471648.60	589243.36	471707.94	630426.28
471648.88	589337.34	471708.22	630520.26
471648.72	589432.27	471708.06	630615.19
471646.68	589527.23	471706.02	630710.15
471642.88	589622.14	471702.22	630805.06
471638.66	589716.79	471698.00	630899.71
471632.80	589810.81	471692.14	630993.73
471627.09	589904.98	471686.43	631087.90
471623.89	589999.65	471683.23	631182.57
471623.01	590094.58	471682.35	631277.50

471622.57	590188.57	471681.91	631371.49
471621.39	590283.56	471680.73	631466.48
471620.36	590378.50	471679.70	631561.42
471619.63	590473.46	471678.97	631656.38
471618.74	590568.44	471678.08	631751.36
471618.73	590663.41	471678.07	631846.33
471619.44	590757.35	471678.78	631940.27
471620.17	590852.34	471679.51	632035.26
471622.13	590947.31	471681.47	632130.23
471626.27	591042.16	471685.61	632225.08
471630.26	591137.05	471689.60	632319.97
471631.93	591232.02	471691.27	632414.94
471631.71	591327.02	471691.05	632509.94
471630.83	591422.00	471690.17	632604.92
471629.81	591515.98	471689.15	632698.90
471629.51	591609.97	471688.85	632792.89
471631.76	591737.90	471691.10	632920.82
471633.79	591832.77	471693.13	633015.69
471633.64	591927.69	471692.98	633110.61
471631.74	592022.65	471691.08	633205.57
471629.91	592117.63	471689.25	633300.55
471627.01	592211.57	471686.35	633394.49
471624.24	592306.50	471683.58	633489.42
471621.83	592401.44	471681.17	633584.36
471617.23	592496.31	471676.57	633679.23
471610.81	592591.06	471670.15	633773.98
471604.11	592685.73	471663.45	633868.65
471598.21	592780.45	471657.55	633963.37
471592.67	592875.22	471652.01	634058.14
471587.76	592969.05	471647.10	634151.97
471583.81	593063.93	471643.15	634246.85
471580.46	593158.85	471639.80	634341.77
471577.47	593253.79	471636.81	634436.71
471574.90	593348.74	471634.24	634531.66
471572.78	593443.71	471632.12	634626.63
471571.19	593537.68	471630.53	634720.60
471569.29	593632.64	471628.63	634815.56
471566.67	593727.57	471626.01	634910.49
471564.07	593821.42	471623.41	635004.34
471561.91	593915.20	471621.25	635098.12
471560.38	594009.99	471619.72	635192.91
471559.43	594104.81	471618.77	635287.73
471558.98	594198.68	471618.32	635381.60
471558.32	594293.65	471617.66	635476.57
471557.66	594388.64	471617.00	635571.56
471558.52	594483.60	471617.86	635666.52
471560.77	594578.55	471620.11	635761.47

471564.10	594673.43	471623.44	635856.35
471568.68	594768.17	471628.02	635951.09
471573.29	594862.02	471632.63	636044.94
471577.94	594956.90	471637.28	636139.82
471583.10	595051.74	471642.44	636234.66
471587.32	595146.63	471646.66	636329.55
471590.38	595241.58	471649.72	636424.50
471592.34	595336.53	471651.68	636519.45
471591.47	595431.51	471650.81	636614.43
471588.18	595526.43	471647.52	636709.35
471583.08	595621.29	471642.42	636804.21
471576.37	595716.03	471635.71	636898.95
471569.31	595810.65	471628.65	636993.57
471562.53	595905.38	471621.87	637088.30
471555.97	596000.10	471615.31	637183.02
471550.14	596094.87	471609.48	637277.79
471545.60	596188.56	471604.94	637371.48
471542.02	596283.41	471601.36	637466.33
471539.25	596378.30	471598.59	637561.22
471537.64	596473.08	471596.98	637656.00
471537.42	596567.79	471596.76	637750.71
471537.85	596662.53	471597.19	637845.45
471537.99	596757.44	471597.33	637940.36
471538.05	596851.43	471597.39	638034.35
471537.97	596946.38	471597.31	638129.30
471537.67	597041.22	471597.01	638224.14
471537.59	597135.09	471596.93	638318.01
471537.29	597230.06	471596.63	638412.98
471536.78	597325.00	471596.12	638507.92
471537.57	597419.82	471596.91	638602.74
471540.61	597514.39	471599.95	638697.31
471545.03	597608.94	471604.37	638791.86
471550.61	597703.51	471609.95	638886.43
471556.43	597797.19	471615.77	638980.11
471561.23	597892.03	471620.57	639074.95
471564.89	597985.96	471624.23	639168.88
471568.20	598088.90	471627.54	639271.82
471570.29	598162.86	471629.63	639345.78

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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 144817

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 144817
	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