

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Kaiser-Francis Oil Company P.O. Box 21468, Tulsa, OK, 74121-1468		² OGRID Number 12361	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 025-47122	⁵ Pool Name Ojo Chiso; Wolfcamp, SW		⁶ Pool Code 98265
⁷ Property Code 316707	⁸ Property Name Bell Lake North		⁹ Well Number 434H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	5	23S	34E		1972	South	2423	West	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	32	22S	34E		133	North	1746	East	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 3/17/21	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Markwest Tornado GP, LLC 1515 Araphoe St., Suite 1600 Denver, CO 80202	G
	Plains Pipeline LP 333 Clay St., #1600 Houston, TX 77002	O

IV. Well Completion Data

²¹ Spud Date 5/13/20	²² Ready Date 3/17/21	²³ TD 19,400' MD	²⁴ PBDT 19,244' MD	²⁵ Perforations 11,727 - 19,090	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17-1/2"		13-3/8"	1,336		810 SX
12-1/4"		10-3/4"	5,014		570 SX
9-7/8"		7-5/8"	10,626		720 SX
6-3/4"		5-1/2"	19,380		550 SX

V. Well Test Data

³¹ Date New Oil 3/31/21	³² Gas Delivery Date 3/31/21	³³ Test Date 4/17/20	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2,820
³⁷ Choke Size 16/64	³⁸ Oil 1,128	³⁹ Water 1,173	⁴⁰ Gas 1,615		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature:			OIL CONSERVATION DIVISION Approved by: Title: Approval Date: 		
Printed name: Erica Miles					
Title: Geosciences Technician					
E-mail Address: EricaM@kfoc.net					
Date: 5/27/21		Phone:918-491-4548			

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

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-47122	² Pool Code 98265	³ Pool Name Ojo Chiso; Wolfcamp, SW
⁴ Property Code 316707	⁵ Property Name BELL LAKE UNIT NORTH	⁶ Well Number 434H
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL COMPANY	⁹ Elevation 3432.8

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
K	5	23 S	34 E		1972	SOUTH	2423	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
B	32	22 S	34 E		133	NORTH	1746	EAST	LEA

¹² Dedicated Acres 480.19	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14602
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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.

The map shows a survey plat for the Bell Lake Unit North 434H. It includes section corners, quarter corners, and various survey points with their coordinates. Key features include: Section 32: NW, NE, SE, and SW corners with coordinates. A 'LAST TAKE POINT' and 'BOTTOM OF HOLE' are marked. Section 5: NW, NE, SE, and SW corners with coordinates. A 'FIRST TAKE POINT' and 'KICK OFF POINT' are marked. Surface Location: Indicated by a dot and labeled 'SURFACE LOCATION'. Well Location: Indicated by a dot and labeled 'WELL LOCATION'. AS-DRILLED: A red label indicating the well location. Latitude and Longitude Values: Provided for various points on the plat.	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. 5/27/21 Signature: Erica Miles Printed Name: EricaM@kfoc.net E-mail Address: EricaM@kfoc.net 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. MARCH 22, 2021 Date of Survey: 12/29/20 Signature and Seal of Professional Surveyor: Certificate Number: 12797 Survey No. 6962A
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Intent ☐ As Drilled ☒

API # 30-025-47122		
Operator Name: KAISER-FRANCIS OIL COMPANY	Property Name: BELL LAKE UNIT NORTH	Well Number 434H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
J	5	23S	34E		2067	SOUTH	1740	EAST	LEA
Latitude 32.3320579					Longitude 103.4892383				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
G	5	23S	34E		2520	NORTH	1703	EAST	LEA
Latitude 32.3339729					Longitude 103.4891215				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	32	22S	34E		323	NORTH	1739	EAST	LEA
Latitude 32.3545259					Longitude 103.4892289				NAD 83

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

☒

Is this well an infill well?

☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

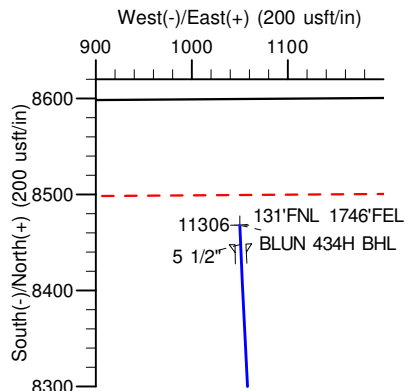
Project: Permian NM E'83
County: Lea
Site: BLUN Pad 15
Well: Bell Lake Unit North 434H
Wellbore: #434 OH
Design: #434 OH

West(-)/East(+) (1500 usft/in)

0 750 1500 2250 3000

CASING DETAILS

TVD	MD	Name
1335.41	1336.00	13 3/8"
4919.79	5014.00	10 3/4"
10490.54	10626.00	7 5/8"
11305.45	19380.00	5 1/2"



Azimuths to Grid North
True North: -0.45°
Magnetic North: 6.19°

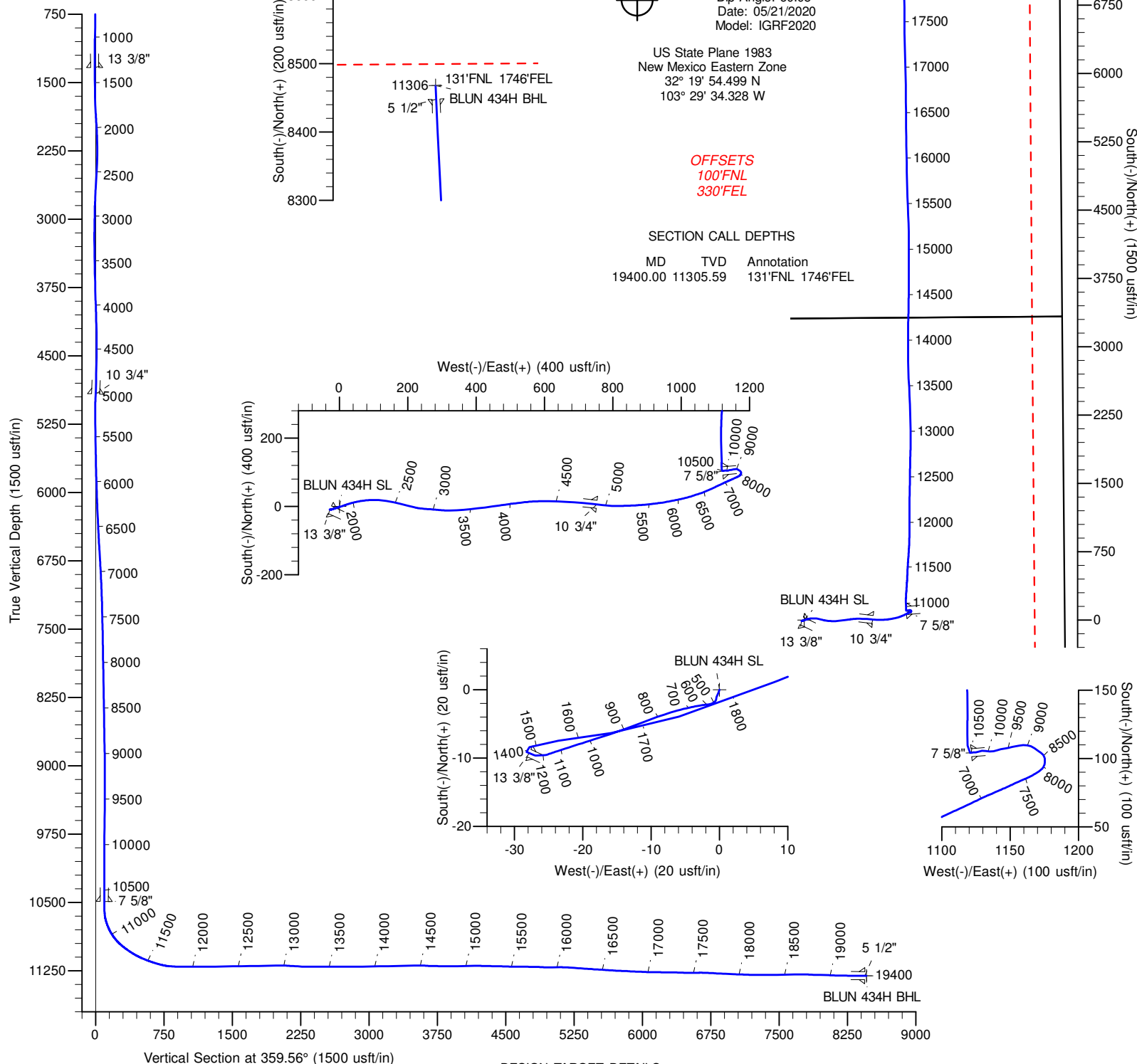
Magnetic Field
Strength: 47677.2snT
Dip Angle: 60.05°
Date: 05/21/2020
Model: IGRF2020

US State Plane 1983
New Mexico Eastern Zone
32° 19' 54.499 N
103° 29' 34.328 W

OFFSETS
100'FNL
330'FEL

SECTION CALL DEPTHS

MD	TVD	Annotation
19400.00	11305.59	131'FNL 1746'FEL



Vertical Section at 359.56° (1500 usft/in)

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BLUN 434H SL	0.00	0.00	0.00	485461.22	800932.89	32° 19' 54.499 N	03° 29' 34.328 W
BLUN 434H BHL	11305.59	8468.06	1050.15	493929.16	801983.02	32° 21' 18.206 N	03° 29' 21.311 W

S5-T23S-R34E SL
1972'FSL 2423'FWL
S32-T22S-R34E BHL
131'FNL 1746'FEL

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit North 434H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Site:	BLUN Pad 15	MD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Well:	Bell Lake Unit North 434H	North Reference:	Grid
Wellbore:	#434 OH	Survey Calculation Method:	Minimum Curvature
Design:	#434 OH	Database:	EDM 5k-14

Project	Permian NM E'83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	BLUN Pad 15, Centered on 433H 2002'FSL 2423'FWL 5-23S-34E		
Site Position:		Northing:	485,491.22 usft
From:	Map	Easting:	800,932.70 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 19' 54.796 N
		Longitude:	103° 29' 34.327 W
		Grid Convergence:	0.45 °

Well	Bell Lake Unit North 434H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft		Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	#434 OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2020	05/21/20	6.64
			Dip Angle
			(°)
			Field Strength
			(nT)

Design	#434 OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)

Survey Program	Date	06/03/20		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
145.00	19,338.00	Survey #1 (#434 OH)	MWD	MWD - Standard
19,400.00	19,400.00	Projection (#434 OH)	ZERO-ERROR	Zero Error

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLUN 434H SL									
145.00	0.40	200.10	145.00	-0.48	-0.17	-0.47	0.28	0.28	0.00
239.00	0.40	211.00	239.00	-1.06	-0.46	-1.06	0.08	0.00	11.60
333.00	0.20	65.80	333.00	-1.28	-0.48	-1.28	0.61	-0.21	-154.47
427.00	0.40	211.20	427.00	-1.49	-0.50	-1.49	0.61	0.21	154.68
520.00	0.40	239.80	519.99	-1.93	-0.94	-1.93	0.21	0.00	30.75
614.00	1.10	263.70	613.98	-2.20	-2.12	-2.18	0.80	0.74	25.43
708.00	2.30	257.60	707.94	-2.70	-4.86	-2.66	1.29	1.28	-6.49
802.00	3.10	250.00	801.84	-3.98	-9.09	-3.91	0.93	0.85	-8.09

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit North 434H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Site:	BLUN Pad 15	MD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Well:	Bell Lake Unit North 434H	North Reference:	Grid
Wellbore:	#434 OH	Survey Calculation Method:	Minimum Curvature
Design:	#434 OH	Database:	EDM 5k-14

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
896.00	3.00	249.50	895.70	-5.71	-13.79	-5.60	0.11	-0.11	-0.53
989.00	3.00	252.80	988.58	-7.28	-18.39	-7.14	0.19	0.00	3.55
1,083.00	2.30	251.90	1,082.48	-8.59	-22.53	-8.42	0.75	-0.74	-0.96
1,176.00	1.30	251.20	1,175.43	-9.51	-25.31	-9.32	1.08	-1.08	-0.75
1,269.00	0.80	290.40	1,268.41	-9.63	-26.91	-9.42	0.91	-0.54	42.15
1,286.00	0.90	286.20	1,285.41	-9.55	-27.15	-9.34	0.69	0.59	-24.71
1,336.00	0.77	294.73	1,335.41	-9.30	-27.84	-9.08	0.35	-0.25	17.06
13 3/8"									
1,371.00	0.70	302.40	1,370.40	-9.08	-28.23	-8.86	0.35	-0.21	21.92
1,466.00	1.20	67.50	1,465.40	-8.39	-27.80	-8.18	1.79	0.53	131.68
1,561.00	4.00	80.70	1,560.29	-7.47	-23.61	-7.29	2.99	2.95	13.89
1,656.00	5.50	82.30	1,654.96	-6.33	-15.83	-6.21	1.58	1.58	1.68
1,745.00	7.70	71.90	1,743.37	-3.90	-5.94	-3.86	2.80	2.47	-11.69
1,840.00	10.20	68.80	1,837.20	1.12	7.96	1.05	2.68	2.63	-3.26
1,935.00	12.30	72.10	1,930.38	7.27	25.43	7.07	2.31	2.21	3.47
2,030.00	13.50	76.90	2,022.98	12.89	45.86	12.54	1.69	1.26	5.05
2,124.00	14.30	82.00	2,114.23	16.99	68.05	16.47	1.56	0.85	5.43
2,219.00	14.30	87.90	2,206.29	19.06	91.39	18.36	1.53	0.00	6.21
2,314.00	14.30	92.70	2,298.35	18.93	114.83	18.05	1.25	0.00	5.05
2,409.00	14.10	98.70	2,390.45	16.63	137.99	15.57	1.56	-0.21	6.32
2,504.00	12.70	103.00	2,482.87	12.53	159.61	11.31	1.81	-1.47	4.53
2,599.00	12.80	103.90	2,575.52	7.65	180.00	6.27	0.23	0.11	0.95
2,694.00	12.40	104.50	2,668.24	2.57	200.09	1.04	0.44	-0.42	0.63
2,789.00	12.70	103.20	2,760.97	-2.37	220.13	-4.06	0.43	0.32	-1.37
2,884.00	12.90	95.50	2,853.61	-5.77	240.86	-7.62	1.81	0.21	-8.11
2,979.00	13.20	94.10	2,946.16	-7.56	262.23	-9.57	0.46	0.32	-1.47
3,074.00	12.40	95.50	3,038.80	-9.31	283.20	-11.49	0.90	-0.84	1.47
3,169.00	12.10	93.90	3,131.63	-10.97	303.29	-13.30	0.48	-0.32	-1.68
3,264.00	12.00	87.90	3,224.54	-11.28	323.09	-13.76	1.32	-0.11	-6.32
3,359.00	12.50	88.50	3,317.38	-10.65	343.24	-13.29	0.54	0.53	0.63
3,454.00	12.60	85.60	3,410.11	-9.59	363.85	-12.38	0.67	0.11	-3.05
3,549.00	12.80	82.70	3,502.79	-7.45	384.62	-10.41	0.70	0.21	-3.05
3,644.00	12.90	84.20	3,595.41	-5.05	405.61	-8.16	0.37	0.11	1.58
3,739.00	12.90	82.70	3,688.01	-2.63	426.68	-5.90	0.35	0.00	-1.58
3,834.00	12.80	82.00	3,780.63	0.19	447.62	-3.25	0.19	-0.11	-0.74
3,929.00	13.40	82.00	3,873.16	3.18	468.94	-0.42	0.63	0.63	0.00
4,024.00	14.00	81.40	3,965.46	6.43	491.20	2.66	0.65	0.63	-0.63
4,119.00	14.80	83.20	4,057.47	9.59	514.61	5.64	0.96	0.84	1.89
4,214.00	15.00	83.50	4,149.28	12.42	538.87	8.28	0.23	0.21	0.32
4,309.00	15.00	86.00	4,241.04	14.66	563.35	10.34	0.68	0.00	2.63
4,403.00	15.50	89.00	4,331.73	15.73	588.05	11.22	0.99	0.53	3.19
4,498.00	15.40	91.30	4,423.30	15.67	613.35	10.96	0.65	-0.11	2.42
4,593.00	14.90	92.00	4,515.00	14.96	638.17	10.05	0.56	-0.53	0.74

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit North 434H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Site:	BLUN Pad 15	MD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Well:	Bell Lake Unit North 434H	North Reference:	Grid
Wellbore:	#434 OH	Survey Calculation Method:	Minimum Curvature
Design:	#434 OH	Database:	EDM 5k-14

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,688.00	15.00	92.90	4,606.78	13.91	662.65	8.82	0.27	0.11	0.95	
4,783.00	15.70	93.00	4,698.39	12.61	687.77	7.33	0.74	0.74	0.11	
4,878.00	16.40	95.30	4,789.69	10.70	713.96	5.22	1.00	0.74	2.42	
4,973.00	17.10	96.40	4,880.66	7.91	741.19	2.21	0.81	0.74	1.16	
5,011.00	17.60	96.20	4,916.93	6.66	752.45	0.88	1.33	1.32	-0.53	
5,014.00	17.63	96.33	4,919.79	6.56	753.36	0.78	1.60	0.90	4.37	
10 3/4"										
5,065.00	18.10	98.50	4,968.33	4.54	768.87	-1.36	1.60	0.93	4.25	
5,160.00	17.50	92.60	5,058.79	1.71	797.73	-4.41	2.00	-0.63	-6.21	
5,255.00	16.30	87.40	5,149.69	1.67	825.32	-4.67	2.03	-1.26	-5.47	
5,350.00	14.30	87.70	5,241.32	2.74	850.37	-3.79	2.11	-2.11	0.32	
5,445.00	12.70	86.30	5,333.69	3.89	872.51	-2.81	1.72	-1.68	-1.47	
5,540.00	11.20	84.90	5,426.63	5.38	892.12	-1.47	1.61	-1.58	-1.47	
5,635.00	11.00	83.80	5,519.86	7.18	910.32	0.19	0.31	-0.21	-1.16	
5,730.00	10.30	82.70	5,613.22	9.24	927.76	2.11	0.77	-0.74	-1.16	
5,825.00	9.60	81.20	5,706.79	11.53	944.01	4.28	0.79	-0.74	-1.58	
5,919.00	9.50	80.50	5,799.49	14.01	959.41	6.64	0.16	-0.11	-0.74	
6,014.00	9.20	78.60	5,893.22	16.81	974.59	9.32	0.45	-0.32	-2.00	
6,109.00	9.00	78.30	5,987.03	19.81	989.31	12.22	0.22	-0.21	-0.32	
6,204.00	9.10	76.90	6,080.85	23.02	1,003.90	15.31	0.25	0.11	-1.47	
6,299.00	9.20	74.60	6,174.64	26.74	1,018.54	18.92	0.40	0.11	-2.42	
6,394.00	9.20	72.80	6,268.42	31.00	1,033.11	23.07	0.30	0.00	-1.89	
6,489.00	9.10	71.30	6,362.21	35.66	1,047.48	27.61	0.27	-0.11	-1.58	
6,584.00	8.70	69.50	6,456.06	40.58	1,061.33	32.43	0.51	-0.42	-1.89	
6,679.00	8.40	67.70	6,550.01	45.73	1,074.48	37.48	0.42	-0.32	-1.89	
6,774.00	8.10	65.90	6,644.02	51.10	1,087.01	42.75	0.42	-0.32	-1.89	
6,868.00	8.00	63.80	6,737.10	56.69	1,098.92	48.25	0.33	-0.11	-2.23	
6,963.00	7.30	65.80	6,831.25	62.08	1,110.36	53.56	0.79	-0.74	2.11	
7,058.00	7.00	64.10	6,925.51	67.09	1,121.07	58.48	0.39	-0.32	-1.79	
7,153.00	6.00	65.40	7,019.90	71.68	1,130.80	63.00	1.06	-1.05	1.37	
7,248.00	4.80	67.00	7,114.48	75.30	1,138.97	66.55	1.27	-1.26	1.68	
7,343.00	4.00	65.80	7,209.20	78.21	1,145.65	69.41	0.85	-0.84	-1.26	
7,438.00	3.40	64.50	7,304.00	80.78	1,151.22	71.94	0.64	-0.63	-1.37	
7,533.00	3.30	66.90	7,398.84	83.07	1,156.27	74.19	0.18	-0.11	2.53	
7,628.00	3.00	66.30	7,493.69	85.14	1,161.06	76.22	0.32	-0.32	-0.63	
7,723.00	2.30	62.40	7,588.59	87.02	1,165.03	78.08	0.76	-0.74	-4.11	
7,818.00	1.90	57.60	7,683.53	88.75	1,168.05	79.78	0.46	-0.42	-5.05	
7,913.00	1.80	57.40	7,778.48	90.40	1,170.64	81.41	0.11	-0.11	-0.21	
8,008.00	1.40	48.90	7,873.44	91.97	1,172.77	82.96	0.49	-0.42	-8.95	
8,102.00	1.10	34.00	7,967.42	93.47	1,174.14	84.45	0.47	-0.32	-15.85	
8,197.00	1.10	18.30	8,062.40	95.09	1,174.93	86.07	0.32	0.00	-16.53	
8,292.00	1.10	7.00	8,157.38	96.86	1,175.33	87.83	0.23	0.00	-11.89	
8,387.00	1.00	359.50	8,252.37	98.60	1,175.43	89.57	0.18	-0.11	-7.89	
8,482.00	0.80	350.00	8,347.36	100.08	1,175.31	91.05	0.26	-0.21	-10.00	

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit North 434H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Site:	BLUN Pad 15	MD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Well:	Bell Lake Unit North 434H	North Reference:	Grid
Wellbore:	#434 OH	Survey Calculation Method:	Minimum Curvature
Design:	#434 OH	Database:	EDM 5k-14

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,577.00	0.80	338.40	8,442.35	101.35	1,174.95	92.32	0.17	0.00	-12.21
8,672.00	1.10	319.30	8,537.33	102.66	1,174.11	93.64	0.46	0.32	-20.11
8,767.00	1.50	309.00	8,632.31	104.13	1,172.55	95.12	0.49	0.42	-10.84
8,862.00	1.80	303.30	8,727.27	105.73	1,170.34	96.74	0.36	0.32	-6.00
8,956.00	1.90	305.10	8,821.22	107.44	1,167.83	98.47	0.12	0.11	1.91
9,051.00	1.80	292.30	8,916.17	108.91	1,165.16	99.96	0.45	-0.11	-13.47
9,146.00	1.80	278.00	9,011.13	109.68	1,162.30	100.75	0.47	0.00	-15.05
9,241.00	1.50	268.70	9,106.09	109.86	1,159.58	100.95	0.42	-0.32	-9.79
9,336.00	1.60	259.10	9,201.05	109.58	1,157.04	100.69	0.29	0.11	-10.11
9,431.00	1.80	260.50	9,296.01	109.09	1,154.26	100.22	0.22	0.21	1.47
9,526.00	1.60	256.30	9,390.97	108.53	1,151.50	99.68	0.25	-0.21	-4.42
9,621.00	1.60	255.30	9,485.93	107.88	1,148.93	99.05	0.03	0.00	-1.05
9,716.00	1.80	262.80	9,580.89	107.35	1,146.17	98.55	0.31	0.21	7.89
9,811.00	1.80	256.50	9,675.84	106.82	1,143.24	98.03	0.21	0.00	-6.63
9,906.00	1.70	251.80	9,770.80	106.03	1,140.45	97.27	0.18	-0.11	-4.95
10,001.00	1.60	260.50	9,865.76	105.37	1,137.80	96.63	0.28	-0.11	9.16
10,096.00	1.70	272.50	9,960.72	105.21	1,135.09	96.49	0.38	0.11	12.63
10,191.00	1.80	280.80	10,055.68	105.55	1,132.21	96.85	0.29	0.11	8.74
10,286.00	1.60	261.00	10,150.63	105.62	1,129.44	96.95	0.65	-0.21	-20.84
10,380.00	1.50	250.40	10,244.60	105.01	1,126.98	96.35	0.32	-0.11	-11.28
10,475.00	1.10	270.10	10,339.58	104.59	1,124.90	95.95	0.63	-0.42	20.74
10,570.00	1.30	262.00	10,434.56	104.44	1,122.92	95.82	0.28	0.21	-8.53
10,597.00	1.20	258.70	10,461.55	104.34	1,122.34	95.72	0.46	-0.37	-12.22
10,626.00	1.19	264.80	10,490.54	104.26	1,121.74	95.64	0.44	-0.04	21.02
7 5/8"									
10,680.00	1.20	276.20	10,544.53	104.27	1,120.62	95.66	0.44	0.02	21.12
10,775.00	6.20	351.30	10,639.33	109.45	1,118.86	100.86	6.32	5.26	79.05
10,822.00	13.70	1.40	10,685.59	117.54	1,118.61	108.94	16.32	15.96	21.49
10,870.00	19.60	0.70	10,731.56	131.28	1,118.85	122.69	12.30	12.29	-1.46
10,917.00	23.10	357.90	10,775.33	148.38	1,118.60	139.79	7.75	7.45	-5.96
10,965.00	28.30	357.30	10,818.57	169.17	1,117.72	160.58	10.85	10.83	-1.25
11,012.00	33.50	359.10	10,858.88	193.29	1,116.99	184.70	11.24	11.06	3.83
11,060.00	39.00	0.70	10,897.58	221.66	1,116.97	213.07	11.63	11.46	3.33
11,107.00	44.00	2.70	10,932.77	252.77	1,117.92	244.18	11.00	10.64	4.26
11,154.00	48.40	3.60	10,965.29	286.63	1,119.79	278.03	9.46	9.36	1.91
11,201.00	52.40	3.90	10,995.24	322.76	1,122.16	314.14	8.52	8.51	0.64
11,249.00	55.20	4.20	11,023.59	361.40	1,124.90	352.75	5.86	5.83	0.63
11,296.00	57.30	3.60	11,049.70	400.38	1,127.56	391.71	4.59	4.47	-1.28
11,344.00	60.30	3.00	11,074.56	441.37	1,129.92	432.68	6.34	6.25	-1.25
11,391.00	64.20	2.80	11,096.44	482.90	1,132.02	474.19	8.31	8.30	-0.43
11,443.00	67.30	2.50	11,117.80	530.26	1,134.21	521.53	5.98	5.96	-0.58
11,490.00	68.80	2.80	11,135.37	573.80	1,136.23	565.06	3.25	3.19	0.64
11,538.00	71.00	3.90	11,151.86	618.80	1,138.86	610.03	5.06	4.58	2.29

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit North 434H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Site:	BLUN Pad 15	MD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Well:	Bell Lake Unit North 434H	North Reference:	Grid
Wellbore:	#434 OH	Survey Calculation Method:	Minimum Curvature
Design:	#434 OH	Database:	EDM 5k-14

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,585.00	73.10	4.30	11,166.35	663.39	1,142.06	654.60	4.54	4.47	0.85
11,633.00	75.00	4.00	11,179.54	709.42	1,145.40	700.60	4.00	3.96	-0.63
11,680.00	77.70	3.80	11,190.63	754.98	1,148.51	746.14	5.76	5.74	-0.43
11,727.00	83.30	2.90	11,198.38	801.24	1,151.21	792.38	12.06	11.91	-1.91
11,775.00	87.30	2.20	11,202.31	849.02	1,153.34	840.14	8.46	8.33	-1.46
11,870.00	89.40	0.50	11,205.05	943.95	1,155.57	935.05	2.84	2.21	-1.79
11,965.00	89.50	0.30	11,205.96	1,038.94	1,156.24	1,030.03	0.24	0.11	-0.21
12,059.00	90.00	0.00	11,206.37	1,132.94	1,156.48	1,124.02	0.62	0.53	-0.32
12,154.00	90.80	0.50	11,205.71	1,227.94	1,156.90	1,219.01	0.99	0.84	0.53
12,249.00	91.00	0.40	11,204.21	1,322.92	1,157.64	1,313.99	0.24	0.21	-0.11
12,344.00	90.90	0.70	11,202.64	1,417.90	1,158.55	1,408.96	0.33	-0.11	0.32
12,439.00	90.90	1.10	11,201.15	1,512.88	1,160.05	1,503.93	0.42	0.00	0.42
12,534.00	90.70	0.80	11,199.82	1,607.86	1,161.62	1,598.89	0.38	-0.21	-0.32
12,629.00	90.90	1.30	11,198.49	1,702.83	1,163.36	1,693.85	0.57	0.21	0.53
12,724.00	91.80	1.40	11,196.26	1,797.78	1,165.60	1,788.77	0.95	0.95	0.11
12,819.00	90.00	0.80	11,194.76	1,892.74	1,167.42	1,883.72	2.00	-1.89	-0.63
12,914.00	92.10	1.10	11,193.02	1,987.71	1,169.00	1,978.67	2.23	2.21	0.32
13,009.00	87.40	358.80	11,193.44	2,082.68	1,168.92	2,073.64	5.51	-4.95	-2.42
13,104.00	86.60	358.10	11,198.41	2,177.51	1,166.35	2,168.49	1.12	-0.84	-0.74
13,199.00	86.80	357.80	11,203.88	2,272.29	1,162.96	2,263.29	0.38	0.21	-0.32
13,294.00	92.60	358.70	11,204.38	2,367.20	1,160.06	2,358.23	6.18	6.11	0.95
13,388.00	87.90	357.40	11,203.97	2,461.12	1,156.86	2,452.16	5.19	-5.00	-1.38
13,483.00	89.50	357.00	11,206.12	2,555.98	1,152.22	2,547.06	1.74	1.68	-0.42
13,578.00	91.00	357.30	11,205.71	2,650.86	1,147.50	2,641.97	1.61	1.58	0.32
13,673.00	90.10	358.40	11,204.79	2,745.78	1,143.93	2,736.92	1.50	-0.95	1.16
13,768.00	90.20	359.40	11,204.55	2,840.77	1,142.11	2,831.91	1.06	0.11	1.05
13,863.00	90.70	359.30	11,203.80	2,935.76	1,141.03	2,926.91	0.54	0.53	-0.11
13,958.00	90.70	0.10	11,202.64	3,030.75	1,140.53	3,021.90	0.84	0.00	0.84
14,053.00	90.90	0.40	11,201.31	3,125.74	1,140.95	3,116.88	0.38	0.21	0.32
14,147.00	91.10	0.90	11,199.67	3,219.72	1,142.01	3,210.85	0.57	0.21	0.53
14,242.00	91.40	1.00	11,197.60	3,314.68	1,143.59	3,305.80	0.33	0.32	0.11
14,337.00	92.00	1.30	11,194.78	3,409.62	1,145.50	3,400.72	0.71	0.63	0.32
14,432.00	91.00	0.70	11,192.29	3,504.57	1,147.15	3,495.66	1.23	-1.05	-0.63
14,527.00	87.50	0.20	11,193.54	3,599.54	1,147.90	3,590.62	3.72	-3.68	-0.53
14,622.00	88.30	0.10	11,197.02	3,694.48	1,148.15	3,685.55	0.85	0.84	-0.11
14,717.00	88.80	0.30	11,199.42	3,789.45	1,148.48	3,780.52	0.57	0.53	0.21
14,812.00	89.80	359.80	11,200.58	3,884.44	1,148.56	3,875.50	1.18	1.05	-0.53
14,907.00	91.10	0.40	11,199.84	3,979.43	1,148.73	3,970.49	1.51	1.37	0.63
15,002.00	91.40	0.20	11,197.76	4,074.41	1,149.22	4,065.46	0.38	0.32	-0.21
15,097.00	90.90	0.50	11,195.86	4,169.39	1,149.80	4,160.43	0.61	-0.53	0.32
15,192.00	88.20	358.10	11,196.60	4,264.36	1,148.64	4,255.42	3.80	-2.84	-2.53
15,286.00	88.70	358.20	11,199.15	4,358.28	1,145.61	4,349.35	0.54	0.53	0.11
15,381.00	88.40	357.90	11,201.55	4,453.19	1,142.38	4,444.29	0.45	-0.32	-0.32
15,476.00	89.10	357.60	11,203.62	4,548.10	1,138.65	4,539.22	0.80	0.74	-0.32

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit North 434H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Site:	BLUN Pad 15	MD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Well:	Bell Lake Unit North 434H	North Reference:	Grid
Wellbore:	#434 OH	Survey Calculation Method:	Minimum Curvature
Design:	#434 OH	Database:	EDM 5k-14

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,571.00	89.50	357.40	11,204.78	4,643.00	1,134.51	4,634.15	0.47	0.42	-0.21
15,666.00	88.90	358.50	11,206.11	4,737.93	1,131.11	4,729.10	1.32	-0.63	1.16
15,761.00	88.60	359.10	11,208.18	4,832.88	1,129.12	4,824.07	0.71	-0.32	0.63
15,856.00	87.70	358.60	11,211.25	4,927.81	1,127.21	4,919.01	1.08	-0.95	-0.53
15,950.00	92.20	359.20	11,211.33	5,021.77	1,125.41	5,012.98	4.83	4.79	0.64
16,045.00	88.70	358.50	11,210.59	5,116.73	1,123.50	5,107.95	3.76	-3.68	-0.74
16,140.00	86.00	359.60	11,214.98	5,211.61	1,121.93	5,202.84	3.07	-2.84	1.16
16,235.00	85.80	359.60	11,221.77	5,306.36	1,121.27	5,297.60	0.21	-0.21	0.00
16,330.00	86.00	359.30	11,228.56	5,401.12	1,120.36	5,392.35	0.38	0.21	-0.32
16,425.00	86.50	359.60	11,234.78	5,495.91	1,119.45	5,487.15	0.61	0.53	0.32
16,520.00	86.20	358.90	11,240.82	5,590.71	1,118.21	5,581.95	0.80	-0.32	-0.74
16,615.00	86.60	359.20	11,246.79	5,685.50	1,116.64	5,676.76	0.53	0.42	0.32
16,710.00	87.70	0.10	11,251.51	5,780.38	1,116.06	5,771.64	1.50	1.16	0.95
16,804.00	86.70	359.10	11,256.10	5,874.27	1,115.40	5,865.53	1.50	-1.06	-1.06
16,899.00	87.60	358.60	11,260.83	5,969.13	1,113.50	5,960.40	1.08	0.95	-0.53
16,994.00	88.80	358.30	11,263.81	6,064.04	1,110.93	6,055.33	1.30	1.26	-0.32
17,089.00	89.00	357.80	11,265.64	6,158.97	1,107.70	6,150.28	0.57	0.21	-0.53
17,184.00	89.30	359.80	11,267.04	6,253.94	1,105.71	6,245.26	2.13	0.32	2.11
17,279.00	88.90	358.40	11,268.54	6,348.91	1,104.22	6,340.24	1.53	-0.42	-1.47
17,374.00	88.50	359.00	11,270.69	6,443.86	1,102.06	6,435.21	0.76	-0.42	0.63
17,469.00	90.20	0.40	11,271.77	6,538.85	1,101.56	6,530.19	2.32	1.79	1.47
17,564.00	90.70	0.30	11,271.02	6,633.84	1,102.14	6,625.18	0.54	0.53	-0.11
17,659.00	86.40	358.40	11,273.43	6,728.78	1,101.07	6,720.12	4.95	-4.53	-2.00
17,754.00	87.00	358.00	11,278.90	6,823.57	1,098.09	6,814.94	0.76	0.63	-0.42
17,849.00	87.30	357.90	11,283.62	6,918.40	1,094.70	6,909.78	0.33	0.32	-0.11
17,943.00	87.40	357.80	11,287.97	7,012.23	1,091.17	7,003.64	0.15	0.11	-0.11
18,038.00	88.00	357.80	11,291.78	7,107.08	1,087.53	7,098.52	0.63	0.63	0.00
18,133.00	89.50	358.50	11,293.85	7,202.01	1,084.46	7,193.47	1.74	1.58	0.74
18,228.00	89.30	358.50	11,294.85	7,296.97	1,081.98	7,288.44	0.21	-0.21	0.00
18,323.00	90.40	359.20	11,295.09	7,391.95	1,080.07	7,383.43	1.37	1.16	0.74
18,418.00	90.90	359.60	11,294.02	7,486.94	1,079.08	7,478.43	0.67	0.53	0.42
18,513.00	90.90	0.30	11,292.52	7,581.92	1,078.99	7,573.41	0.74	0.00	0.74
18,608.00	91.00	0.70	11,290.95	7,676.91	1,079.82	7,668.39	0.43	0.11	0.42
18,703.00	89.20	359.00	11,290.78	7,771.90	1,079.57	7,763.38	2.61	-1.89	-1.79
18,798.00	87.90	357.90	11,293.19	7,866.83	1,077.00	7,858.33	1.79	-1.37	-1.16
18,893.00	88.30	357.90	11,296.34	7,961.71	1,073.52	7,953.23	0.42	0.42	0.00
18,988.00	88.30	357.70	11,299.16	8,056.60	1,069.88	8,048.15	0.21	0.00	-0.21
19,083.00	88.40	357.10	11,301.89	8,151.46	1,065.57	8,143.04	0.64	0.11	-0.63
19,178.00	89.30	357.00	11,303.80	8,246.32	1,060.68	8,237.93	0.95	0.95	-0.11
19,272.00	89.60	357.30	11,304.70	8,340.20	1,056.01	8,331.84	0.45	0.32	0.32
19,338.00	89.60	357.40	11,305.16	8,406.12	1,052.96	8,397.79	0.15	0.00	0.15
19,380.00	89.60	357.40	11,305.45	8,448.08	1,051.05	8,439.76	0.00	0.00	0.00
5 1/2"									

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit North 434H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Site:	BLUN Pad 15	MD Reference:	GL+KB @ 3455.80usft (Cactus 171)
Well:	Bell Lake Unit North 434H	North Reference:	Grid
Wellbore:	#434 OH	Survey Calculation Method:	Minimum Curvature
Design:	#434 OH	Database:	EDM 5k-14

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,400.00	89.60	357.40	11,305.59	8,468.06	1,050.15	8,459.75	0.00	0.00	0.00
131°FNL 1746°FEL - BLUN 434H BHL									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BLUN 434H SL - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	485,461.22	800,932.89	32° 19' 54.499 N	103° 29' 34.328 W
BLUN 434H BHL - actual wellpath hits target center - Point	0.00	0.00	11,305.59	8,468.06	1,050.15	493,929.16	801,983.02	32° 21' 18.206 N	103° 29' 21.311 W

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
1,336.00	1,335.41	13 3/8"		13-3/8	17-1/2
5,014.00	4,919.79	10 3/4"		10-3/4	12-1/4
10,626.00	10,490.54	7 5/8"		7-5/8	9-7/8
19,380.00	11,305.45	5 1/2"		5-1/2	6-3/4

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
19,400.00	11,305.59	8,468.06	1,050.15	131°FNL 1746°FEL

Well Name: BELL LAKE UNIT NORTH	Well Location: T23S / R34E / SEC 5 / NESW / 32.3316403 / -103.4931115	County or Parish/State: LEA / NM
Well Number: 434H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0000587, NMNM0587	Unit or CA Name: BELL LAKE	Unit or CA Number: NMNM068292X, NMNM68292X
US Well Number: 3002547122	Well Status: Drilling Well	Operator: KAISER FRANCIS OIL COMPANY

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 05/11/2021	Time Sundry Submitted: 09:46
Date Operation Actually Began: 02/10/2021	

Actual Procedure: 1/21: Pressure test csg to 11,500#. Test annulus to 500#. TCP Stage 1: 19,090'-19,212' O/A w/5, 3 1/8" guns. BD perfs @ 9,400#. Establish injection into perfs: 5 BPM @ 8,850#. ISDP 6,850#, 5 min 4,730#. 2/21-3/21: Stage-Frac lateral 11,727'-19,090' O/A in 43 stages w/74,968 gal 15% HCl, 425,699 bbls SW and 8,269 bbls HVFR carrying 1,831,467# 100M and 19,585,026# 40/70 white. 3/21: Drill out all plugs w/4.625" roller cone bit. TLTR: 441,960 bbls SICP: 3,200#

SR Attachments

Actual Procedure

BLUN_434_WBD_20210511094644.pdf

Well Name: BELL LAKE UNIT NORTH	Well Location: T23S / R34E / SEC 5 / NESW / 32.3316403 / -103.4931115	County or Parish/State: LEA / NM
Well Number: 434H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0000587, NMNM0587	Unit or CA Name: BELL LAKE	Unit or CA Number: NMNM068292X, NMNM68292X
US Well Number: 3002547122	Well Status: Drilling Well	Operator: KAISER FRANCIS OIL COMPANY

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: ERIC HANSEN	Signed on: MAY 11, 2021 09:46 AM
Name: KAISER FRANCIS OIL COMPANY	
Title: Drilling Engineer	
Street Address: 6733 S. Yale Ave.	
City: Tulsa	State: OK
Phone: (918) 491-4339	
Email address: EricH@kfoc.net	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 05/14/2021
Signature: Jonathon Shepard	



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print Report

05/24/2021

Operator Name KAISER FRANCIS OIL COMPANY	Well Name BELL LAKE UNIT NORTH	Well Number 434H	US Well Number 3002547122
SHL NESW Lot k Sec 5 23S 34E	County LEA	State NM	Lease Number(s) NMNM0000587, NMNM0587, NMNM0587
Well Type OIL WELL	Well Status Drilling Well	Agreement Name BELL LAKE	Agreement Number(s) NMNM068292X, NMNM68292X, NMNM68292X ID 10400048804
Allottee/Tribe Name	Well Pad Name NORTH BELL LAKE UNIT	Well Pad Number 15	

Section 1 - General

Well Completion Report Id: 72670	Submission Date: N/A until DB Work	
BLM Office: Carlsbad Field Office	User: Eric Hansen	Title: Drilling Engineer
Federal/Indian: FEDERAL	Lease Number: NMNM0000587	Lease Acres: 634.55
Agreement in place?: YES	Federal or Indian Agreement: FEDERAL	
Agreement Number: NMNM068292X	Agreement Name: BELL LAKE	
Keep this Well Completion Report confidential?: YES		
APD Operator: KAISER FRANCIS OIL COMPANY		

Section 2 - Well Information

Field/Pool or Exploratory: Field/Pool	Pool Name: Bone Springs 98259	Field Name: OJO CHISO
Well Type: OIL WELL		
Spud Date: 05-13-2020		
Date Total Measured Depth Reached: 05-30-2020		
Drill & Abandon or Ready To Produce: READY TO PRODUCE		
Well Class: HORIZONTAL		

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
---	OTHER	Surface	3432	0	0	NONE	

Operator Name KAISER FRANCIS OIL COMPANY	Well Name BELL LAKE UNIT NORTH	Well Number 434H	US Well Number 3002547122
SHL NESW Lot k Sec 5 23S 34E	County LEA	State NM	Lease Number(s) NMNM0000587, NMNM0587, NMNM0587
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Allottee/Tribe Name	Well Pad Name NORTH BELL LAKE UNIT	Well Pad Number 15	

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
RUSTLER	SANDSTONE		2210	1222	1222	NONE	
SALADO	SALT		1810	1622	1622	NONE	
TOP SALT	SALT		1610	1822	1822	NONE	
BASE OF SALT	SALT		-1290	4722	4722	NONE	
LAMAR	LIMESTONE		-1540	4972	4972	NATURAL GAS, OIL	
BELL CANYON	SANDSTONE		-1740	5172	5172	NATURAL GAS, OIL	
CHERRY CANYON	SANDSTONE		-2765	6197	6197	NATURAL GAS, OIL	
BRUSHY CANYON	SANDSTONE		-4090	7522	7522	NATURAL GAS, OIL	
BONE SPRING	SANDSTONE		-5190	8622	8622	NATURAL GAS, OIL	
AVALON SAND	SANDSTONE		-5263	8695	8695	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE		-6115	9547	9547	NATURAL GAS, OIL	
BONE SPRING 2ND	SANDSTONE		-6595	10027	10027	NATURAL GAS, OIL	
BONE SPRING LIME	LIMESTONE		-7115	10547	10547	NATURAL GAS, OIL	
BONE SPRING 3RD	SANDSTONE		-7515	10947	10947	NATURAL GAS, OIL	

Operator Name KAISER FRANCIS OIL COMPANY	Well Name BELL LAKE UNIT NORTH	Well Number 434H	US Well Number 3002547122
SHL NESW Lot k Sec 5 23S 34E	County LEA	State NM	Lease Number(s) NMNM0000587, NMNM0587, NMNM0587
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Allottee/Tribe Name	Well Pad Name NORTH BELL LAKE UNIT	Well Pad Number 15	

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
WOLFCAMP	SANDSTONE		-7833	11265	11265	NATURAL GAS, OIL	

Completion and Completed Intervals

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	X1	1	NMNM68292X	NMNM0587	NEW		DRG	02-10-2021	03-31-2021	WOLFCAMP	11727	19090	Y	.42	1935	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	X1	1	Y	FRAC	435735	9999999	1/21: Pressure test csg to 11,500#. Test annulus to 500#. TCP Stage 1: 19,090'-19,212' O/A w/5, 3 1/8" guns. BD perfs @

Operator Name KAISER FRANCIS OIL COMPANY	Well Name BELL LAKE UNIT NORTH	Well Number 434H	US Well Number 3002547122
SHL NESW Lot k Sec 5 23S 34E	County LEA	State NM	Lease Number(s) NMNM0000587, NMNM0587, NMNM0587
Well Type OIL WELL	Well Status Drilling Well	Agreement Name BELL LAKE	Agreement Number(s) NMNM068292X, NMNM68292X, NMNM68292X ID 10400048804
Allottee/Tribe Name	Well Pad Name NORTH BELL LAKE UNIT	Well Pad Number 15	

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
							9,400#. Establish injection into perms: 5 BPM @ 8,850#. ISDP 6,850#, 5 min 4,730#. 2/21-3/21: Stage-Frac lateral 11,727'-19,090' O/A in 43 stages w/74,968 gal 15% HCl, 425,699 bbls SW and 8,269 bbls HVFR carrying 1,831,467# 100M and 19,585,026 # 40/70 white. 3/21: Drill out all plugs w/4.625" roller cone bit. TLTR: 441,960 bbls SICP: 3,200#

Operator Name KAISER FRANCIS OIL COMPANY	Well Name BELL LAKE UNIT NORTH	Well Number 434H	US Well Number 3002547122
SHL NESW Lot k Sec 5 23S 34E	County LEA	State NM	Lease Number(s) NMNM0000587, NMNM0587, NMNM0587
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Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	X1	1	45	.75	FLOWS FROM WELL		SOLD	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	X1	1	04/17/20 21	24	1128	1615	1173	1431	16/64			2820

Well Location

Survey Type: RECTANGULAR

Survey Number: 6962

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

Aliquot/Lot/Tract	Section	Range	Township	EW-Indicator	EW-Foot	NS-Indicator	NS-Foot	Plug Type	Plug MD (ft)	Plug TVD (ft)	Lease Number	Lease Type	Elevation (MSL)	Longitude	Latitude	County	Meridian	State
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Operator Name KAISER FRANCIS OIL COMPANY	Well Name BELL LAKE UNIT NORTH	Well Number 434H	US Well Number 3002547122
SHL NESW Lot k Sec 5 23S 34E	County LEA	State NM	Lease Number(s) NMNM0000587, NMNM0587, NMNM0587
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Allottee/Tribe Name	Well Pad Name NORTH BELL LAKE UNIT	Well Pad Number 15	

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.3318053	-103.4928688	3432	FEDERAL	NMNM0587				1972	FSL	2423	FWL	23S	34E	5	NESW Lot k
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.3320579	-103.4892383	-7542	FEDERAL	NMNM0587				2067	FSL	1740	FEL	23S	34E	5	NESW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.3339729	-103.4891215	-7874	FEDERAL	NMNM01244A				2520	FNL	1703	FEL	23S	34E	5	SWNE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.354529	-103.4892289	-7874	FEE	STATE				323	FNL	1739	FEL	22S	34E	32	NWNE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.3550478	-103.489253	-7874	FEE	STATE				133	FNL	1746	FEL	22S	34E	32	NWNE

Casing, Liner and Tubing

Operator Name KAISER FRANCIS OIL COMPANY	Well Name BELL LAKE UNIT NORTH	Well Number 434H	US Well Number 3002547122
SHL NESW Lot k Sec 5 23S 34E	County LEA	State NM	Lease Number(s) NMNM0000587, NMNM0587, NMNM0587
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Allottee/Tribe Name	Well Pad Name NORTH BELL LAKE UNIT	Well Pad Number 15	ID 10400048804

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	1336	13.375	54.5	J-55		BUTT		
00	INTERMEDIATE	12.25	0	5014	10.75	45.5	L-80		BUTT		
00	INTERMEDIATE	9.875	0	10626	7.625	29.7	HCP-110		BUTT	Eagle SF	
00	PRODUCTION	6.75	0	19380	5.5	20	OTHER	HP-P110	OTHER	Eagle SF	

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield (cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume (bbls)
00	SURFACE		Halccm	810	1.72	0	Halccm	335	1.34		328.1
00	INTERMEDIATE		Econocem	570	2.5	0	Halccm	230	1.33		308.3
00	INTERMEDIATE		Neocem	720	3.5	0	Halccm	455	1.22		547.7
00	PRODUCTION		Versacem	550	1.53	0	Versacem	875	1.22		340

Operator Name KAISER FRANCIS OIL COMPANY	Well Name BELL LAKE UNIT NORTH	Well Number 434H	US Well Number 3002547122
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Allottee/Tribe Name	Well Pad Name NORTH BELL LAKE UNIT	Well Pad Number 15	ID 10400048804

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
00	YES	NO	NO	YES	NO	YES

Operator Certification

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. 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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: KAISER FRANCIS OIL COMPANY

Signed By: Eric Hansen

Title: Drilling Engineer

Signed on: 05/18/2021

Street Address: 6733 S. Yale Ave.

City: Tulsa

State: OK

Zip: 74121

Phone: (918)491-4339

Email address: EricH@kfoc.net

Field Representative

Representative Name: Jeremy Parent

Street Address: 88 Shell Road

City: Jal

State: NM

Zip: 88252

Phone: (580)504-2593

Extension:

Email address: JeremyP@kfoc.net

Operator Name KAISER FRANCIS OIL COMPANY	Well Name BELL LAKE UNIT NORTH	Well Number 434H	US Well Number 3002547122
SHL NESW Lot k Sec 5 23S 34E	County LEA	State NM	Lease Number(s) NMNM0000587, NMNM0587, NMNM0587
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Allottee/Tribe Name	Well Pad Name NORTH BELL LAKE UNIT	Well Pad Number 15	

Attachments

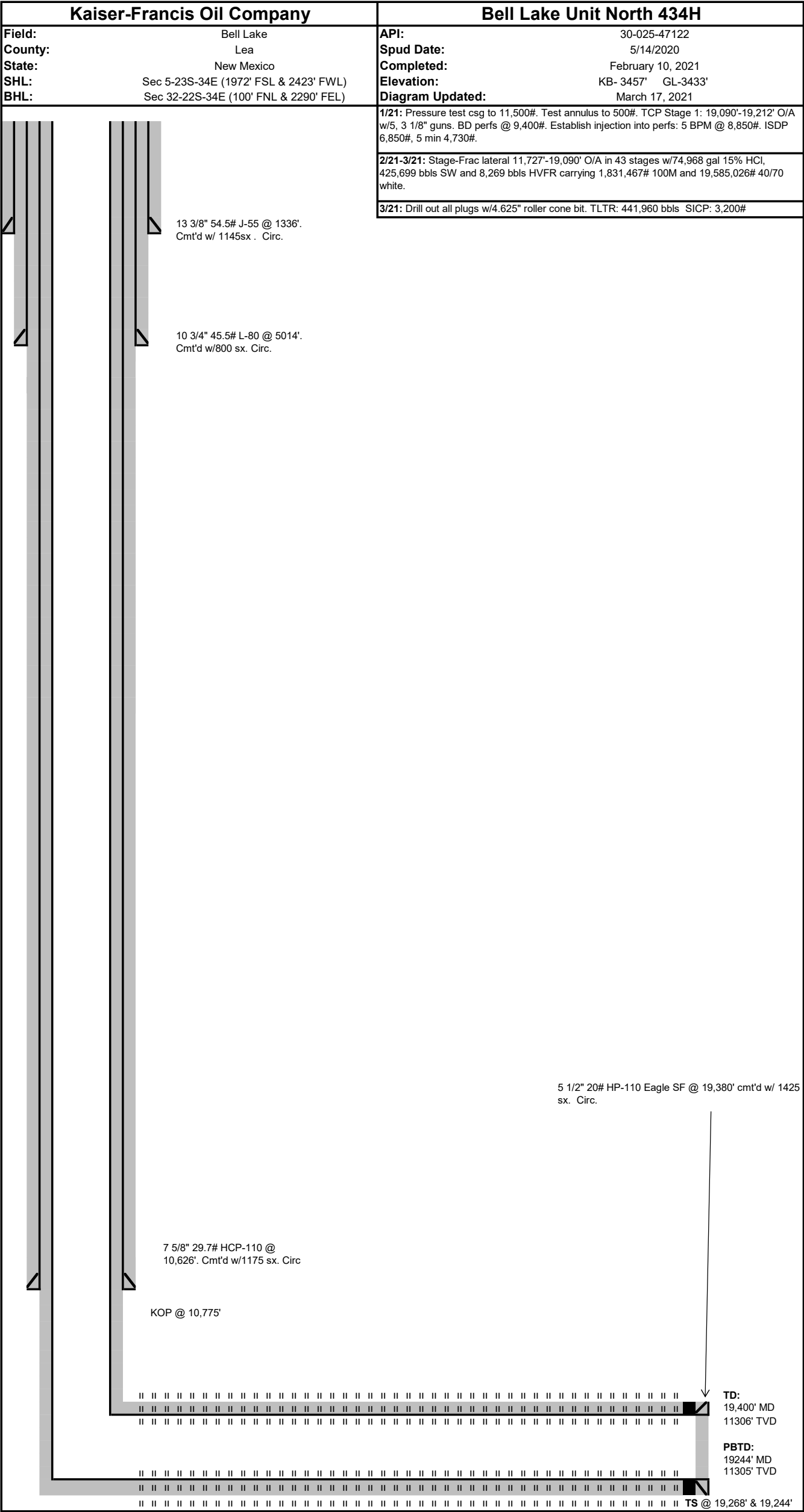
Bell_Lake_Unit_North__20210518153115

KFOC___BLUN_433H_pva_final_83_20210518153133.pdf

KFOC___BLUN_433H_OH_final_83_20210518153133.xlsx

BLUN_433H_WBD_20210518153150.pdf

BELL_LAKE_UNIT_NORTH_433H_AS_DRILLED_20210518153159.pdf



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

ACKNOWLEDGMENTS

Action 29741

ACKNOWLEDGMENTS

Operator: KAISER-FRANCIS OIL CO P.O. Box 21468 Tulsa, OK 74121	OGRID: 12361
	Action Number: 29741
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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 29741

CONDITIONS

Operator: KAISER-FRANCIS OIL CO P.O. Box 21468 Tulsa, OK 74121	OGRID: 12361
	Action Number: 29741
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/3/2021