

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.
NMLC061374A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 27. If Unit or CA/Agreement, Name and/or No.
891001066X

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
BELL LAKE UNIT SOUTH 433H

2. Name of Operator

KAISER FRANCIS OIL COMPANY

Contact: ERIC HANSEN

E-Mail: EricH@KFOC.net

9. API Well No.

30-025-47090-00-X1

3a. Address

TULSA, OK 74121-1468

3b. Phone No. (include area code)

Ph: 918-491-4339

10. Field and Pool or Exploratory Area

BELL LAKE
WOLFCAMP

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

Sec 5 T24S R34E NESW 1742FSL 1945FWL
32.244099 N Lat, 103.494247 W Lon

11. County or Parish, State

LEA COUNTY, NM

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 requests to move the surface hole location as follows:

Approved SHL Location: 1742? FSL & 1945? FWL, Section 5, T24S, R34E

Approved BHL Location: 330' FNL & 2110' FWL, Section 32, T23S, R34E

Proposed SHL Location: 1802? FSL & 1945? FWL, Section 5, T24S, R34E

This will help the drilling operations move safely around location and help maximize pad space usage without causing additional surface disturbances. No additional surface disturbance is requested.

Attached is the updated C-102 and well site diagram.

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

Electronic Submission #514636 verified by the BLM Well Information System
For KAISER FRANCIS OIL COMPANY, sent to the Hobbs
Committed to AFMSS for processing by CHRISTOPHER WALLS on 05/08/2020 (20CRW0073SE)

Name (Printed/Typed) ERIC HANSEN

Title DRILLING ENGINEER

Signature (Electronic Submission)

Date 05/08/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS

Title PETROLEUM ENGINEER

Date 05/08/2020

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 Hobbs

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 #514636 that would not fit on the form

32. Additional remarks, continued

Revisions to Operator-Submitted EC Data for Sundry Notice #514636

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMLC061374A	NMLC061374A
Agreement:		891001066X (NMNM68292X)
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: County:	NM LEA	NM LEA
Field/Pool:	2ND BONE SPRING	BELL LAKE WOLFCAMP
Well/Facility:	BELL LAKE UNIT SOUTH 433H Sec 5 T24S R34E Mer NMP FSL FWL	BELL LAKE UNIT SOUTH 433H Sec 5 T24S R34E NESW 1742FSL 1945FWL 32.244099 N Lat, 103.494247 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 30-025-47090	² Pool Code 98266	³ Pool Name Bell Lake, Wolfcamp, South
⁴ Property Code 316707	⁵ Property Name BELL LAKE UNIT SOUTH	⁶ Well Number 433H
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL CO.	⁹ Elevation 3595.9

¹⁰ Surface Location

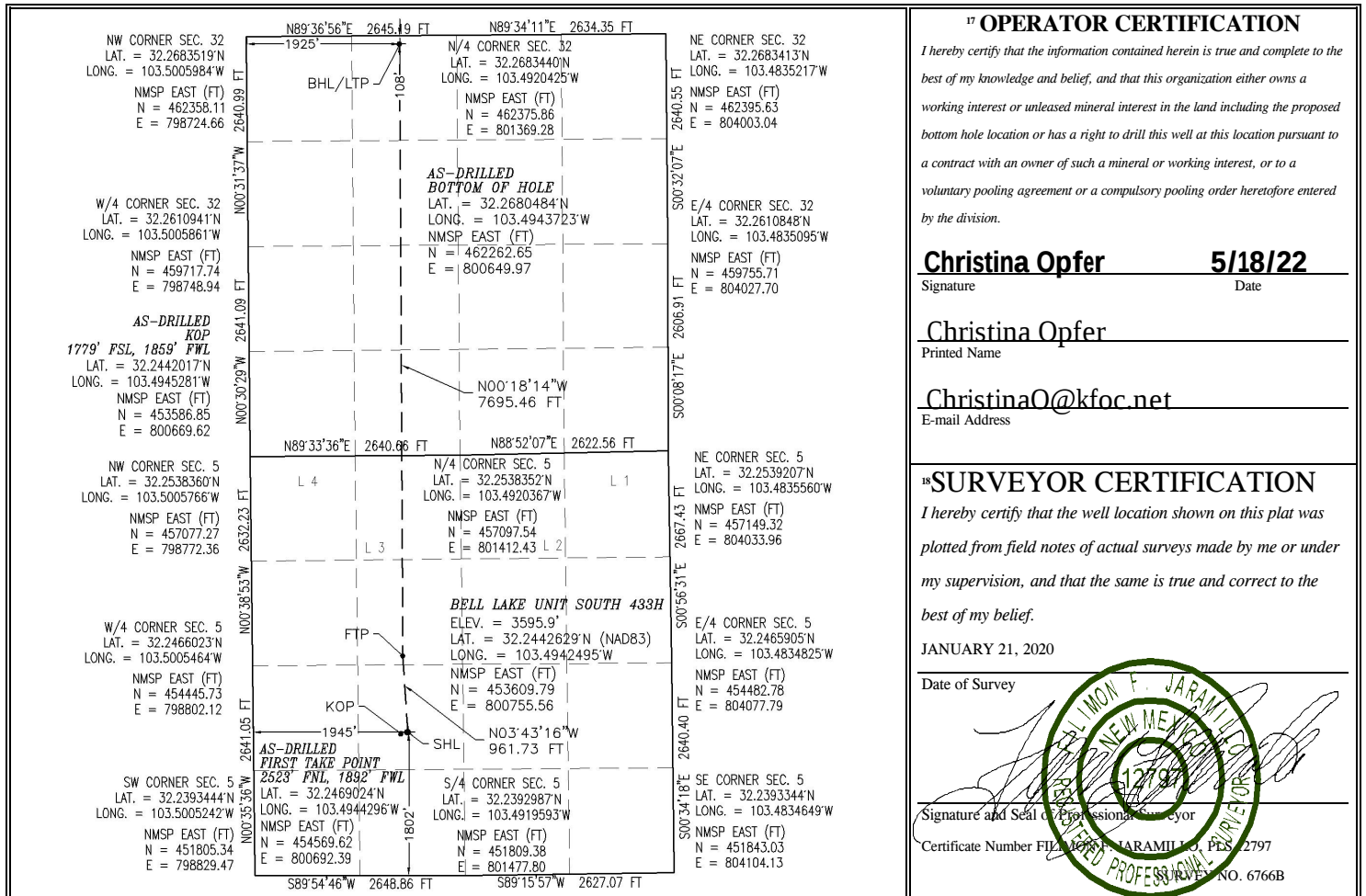
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	5	24 S	34 E		1802	SOUTH	1945	WEST	LEA

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
C	32	23 S	34 E		108	NORTH	1925	WEST	LEA

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14601
---	-------------------------------	----------------------------------	---

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



Intent ☐ As Drilled ☒

API # 30-025-47090		
Operator Name: KAISER-FRANCIS OIL CO.	Property Name: BELL LAKE UNIT SOUTH	Well Number 433H

Kick Off Point (KOP)

UL K	Section 5	Township 24S	Range 34E	Lot	Feet 1779	From N/S SOUTH	Feet 1859	From E/W WEST	County LEA
Latitude 32.2442017					Longitude 103.4945281			NAD 83	

First Take Point (FTP)

UL F	Section 5	Township 24S	Range 34E	Lot	Feet 2523	From N/S NORTH	Feet 1892	From E/W WEST	County LEA
Latitude 32.2469024					Longitude 103.4944296			NAD 83	

Last Take Point (LTP)

UL C	Section 32	Township 23S	Range 34E	Lot	Feet 108	From N/S NORTH	Feet 1925	From E/W WEST	County LEA
Latitude 32.2680484					Longitude 103.4943723			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.

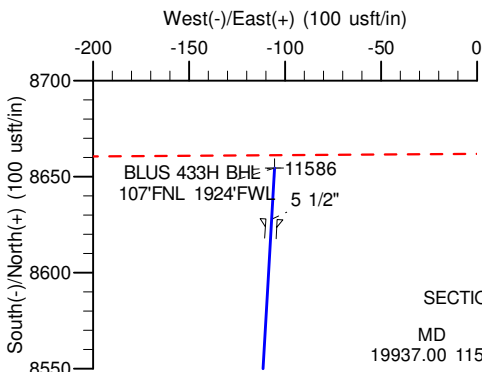
API # 30-025-46889		
Operator Name: Kaiser-Francis Oil Company	Property Name: Bell Lake Unit South	Well Number 431H

KZ 06/29/2018

Project: Permian NM E'83
County: Lea
Site: BLUS Pad 13S
Well: Bell Lake South Unit 433H
Wellbore: #433H OH
Design: #433H OH

CASING DETAILS

TVD	MD	Name
1337.92	1338.00	13 3/8"
5110.68	5112.00	10 3/4"
10862.60	10866.00	7 5/8"
11590.00	19910.00	5 1/2"



SECTION CALL DEPTHS

MD	TVD	Annotation
19937.00	11586.38	107'FNL 1924'FWL

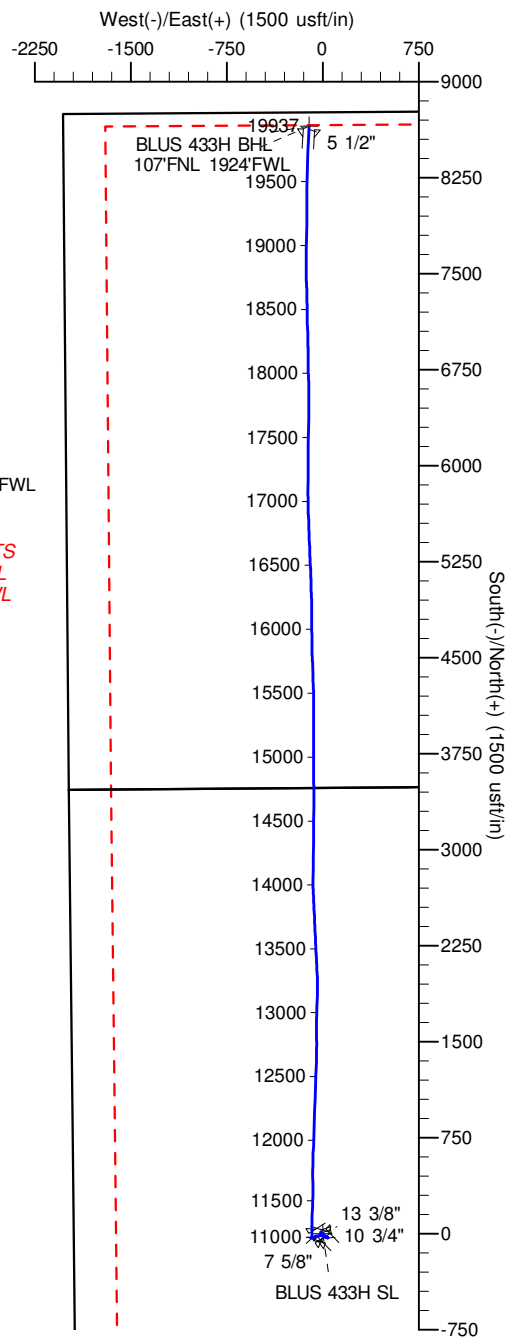
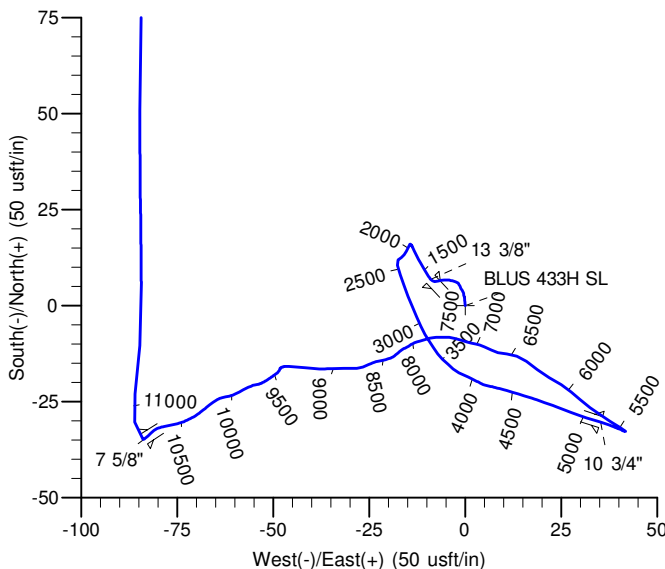
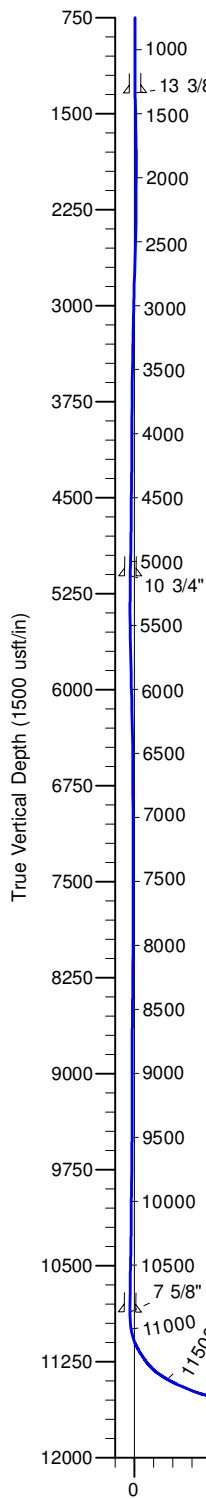
OFFSETS
100'FNL
330' FWL



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

Magnetic Field
Strength: 47626.8snT
Dip Angle: 59.97°
Date: 05/11/2020
Model: IGRF2020

US State Plane 1983
New Mexico Eastern Zone
32° 14' 39.346 N
103° 29' 39.298 W



Vertical Section at 359.44° (1500 usft/in)

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BLUS 433H SL	0.00	0.00	0.00	453609.79	800755.56	32° 14' 39.346 N	03° 29' 39.298 W
BLUS 433H BHL	0.00	8654.54	-105.60	462264.21	800649.97	32° 16' 4.990 N	03° 29' 39.740 W

S5-T24S-R34E SL
1920'FSL 1945'FWL
S32-T23S-R34E BHL
107'FNL 1924'FWL

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake South Unit 433H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Site:	BLUS Pad 13S	MD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Well:	Bell Lake South Unit 433H	North Reference:	Grid
Wellbore:	#433H OH	Survey Calculation Method:	Minimum Curvature
Design:	#433H 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	BLUS Pad 13S, Centered on 233H 1945'FWL 1862'FSL		
Site Position:		Northing:	453,669.91 usft
From:	Map	Easting:	800,754.92 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 14' 39.941 N
		Longitude:	103° 29' 39.300 W
		Grid Convergence:	0.45 °

Well	Bell Lake South Unit 433H		
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	#433H OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	05/11/20	6.64
			Dip Angle (°)
			59.97
			Field Strength (nT)
			47,626.77663762

Design	#433H OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			359.44

Survey Program	Date	06/02/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
145.00	19,875.00	Survey #1 (#433H OH)	MWD	MWD - Standard
19,937.00	19,937.00	Projection (#433H OH)	ZERO-ERROR	Zero Error

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BLUS 433H SL									
145.00	0.50	359.50	145.00	0.63	-0.01	0.63	0.34	0.34	0.00
324.00	0.90	348.10	323.98	2.79	-0.30	2.79	0.24	0.22	-6.37
415.00	0.70	327.30	414.98	3.96	-0.75	3.96	0.38	-0.22	-22.86
506.00	0.50	336.10	505.97	4.79	-1.21	4.80	0.24	-0.22	9.67
597.00	0.60	329.50	596.97	5.56	-1.61	5.58	0.13	0.11	-7.25
689.00	0.50	289.90	688.96	6.11	-2.24	6.13	0.42	-0.11	-43.04
780.00	0.60	290.10	779.96	6.41	-3.06	6.44	0.11	0.11	0.22
872.00	0.80	278.10	871.95	6.67	-4.14	6.71	0.27	0.22	-13.04

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake South Unit 433H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Site:	BLUS Pad 13S	MD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Well:	Bell Lake South Unit 433H	North Reference:	Grid
Wellbore:	#433H OH	Survey Calculation Method:	Minimum Curvature
Design:	#433H 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)
963.00	0.80	263.70	962.94	6.69	-5.41	6.74	0.22	0.00	-15.82
1,053.00	0.30	270.60	1,052.94	6.62	-6.27	6.68	0.56	-0.56	7.67
1,144.00	0.60	243.30	1,143.94	6.41	-6.93	6.48	0.40	0.33	-30.00
1,235.00	0.70	280.80	1,234.93	6.30	-7.90	6.38	0.47	0.11	41.21
1,297.00	0.60	304.70	1,296.93	6.55	-8.54	6.64	0.46	-0.16	38.55
1,338.00	0.76	316.54	1,337.92	6.87	-8.90	6.96	0.52	0.40	28.89
13 3/8"									
1,412.00	1.10	328.20	1,411.91	7.84	-9.62	7.93	0.52	0.46	15.75
1,508.00	1.20	330.70	1,507.89	9.50	-10.59	9.60	0.12	0.10	2.60
1,603.00	1.20	328.60	1,602.87	11.21	-11.60	11.33	0.05	0.00	-2.21
1,698.00	1.30	332.40	1,697.85	13.02	-12.62	13.14	0.14	0.11	4.00
1,793.00	1.50	336.30	1,792.82	15.11	-13.62	15.24	0.23	0.21	4.11
1,889.00	0.40	223.80	1,888.81	16.02	-14.35	16.16	1.76	-1.15	-117.19
1,984.00	0.70	201.10	1,983.81	15.24	-14.79	15.38	0.38	0.32	-23.89
2,079.00	0.70	210.60	2,078.80	14.20	-15.30	14.35	0.12	0.00	10.00
2,174.00	0.60	214.00	2,173.79	13.29	-15.87	13.44	0.11	-0.11	3.58
2,269.00	0.70	231.00	2,268.79	12.51	-16.60	12.67	0.23	0.11	17.89
2,364.00	0.60	242.40	2,363.78	11.91	-17.49	12.08	0.17	-0.11	12.00
2,459.00	1.40	165.80	2,458.77	10.56	-17.65	10.73	1.46	0.84	-80.63
2,554.00	1.80	159.60	2,553.73	8.03	-16.84	8.20	0.46	0.42	-6.53
2,649.00	1.80	161.20	2,648.69	5.22	-15.84	5.38	0.05	0.00	1.68
2,744.00	1.80	159.10	2,743.64	2.42	-14.83	2.56	0.07	0.00	-2.21
2,839.00	1.70	156.80	2,838.59	-0.27	-13.74	-0.14	0.13	-0.11	-2.42
2,934.00	1.70	156.10	2,933.55	-2.86	-12.61	-2.73	0.02	0.00	-0.74
3,029.00	1.50	154.50	3,028.52	-5.27	-11.51	-5.15	0.22	-0.21	-1.68
3,124.00	1.40	151.20	3,123.49	-7.41	-10.41	-7.30	0.14	-0.11	-3.47
3,219.00	1.30	148.40	3,218.46	-9.34	-9.29	-9.25	0.13	-0.11	-2.95
3,314.00	1.10	144.00	3,313.44	-11.00	-8.19	-10.92	0.23	-0.21	-4.63
3,409.00	1.20	145.20	3,408.42	-12.55	-7.09	-12.48	0.11	0.11	1.26
3,504.00	1.10	131.20	3,503.40	-13.97	-5.83	-13.91	0.31	-0.11	-14.74
3,599.00	1.10	134.50	3,598.38	-15.21	-4.49	-15.16	0.07	0.00	3.47
3,694.00	1.10	129.40	3,693.37	-16.43	-3.14	-16.40	0.10	0.00	-5.37
3,789.00	1.10	117.50	3,788.35	-17.43	-1.63	-17.41	0.24	0.00	-12.53
3,884.00	1.10	114.60	3,883.33	-18.23	0.01	-18.23	0.06	0.00	-3.05
3,979.00	1.00	113.40	3,978.31	-18.94	1.60	-18.95	0.11	-0.11	-1.26
4,074.00	1.00	117.80	4,073.30	-19.65	3.10	-19.68	0.08	0.00	4.63
4,169.00	0.70	120.40	4,168.29	-20.33	4.33	-20.37	0.32	-0.32	2.74
4,264.00	1.10	100.90	4,263.28	-20.80	5.73	-20.85	0.52	0.42	-20.53
4,359.00	1.60	103.20	4,358.25	-21.27	7.91	-21.35	0.53	0.53	2.42
4,454.00	2.00	107.10	4,453.20	-22.06	10.79	-22.17	0.44	0.42	4.11
4,549.00	1.90	106.00	4,548.15	-22.99	13.89	-23.12	0.11	-0.11	-1.16
4,644.00	1.80	107.80	4,643.10	-23.88	16.82	-24.04	0.12	-0.11	1.89
4,739.00	2.20	109.40	4,738.04	-24.94	19.96	-25.13	0.43	0.42	1.68

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake South Unit 433H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Site:	BLUS Pad 13S	MD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Well:	Bell Lake South Unit 433H	North Reference:	Grid
Wellbore:	#433H OH	Survey Calculation Method:	Minimum Curvature
Design:	#433H 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)	
4,834.00	2.60	110.30	4,832.96	-26.29	23.70	-26.52	0.42	0.42	0.95	
4,928.00	2.60	110.40	4,926.86	-27.77	27.70	-28.04	0.00	0.00	0.11	
5,023.00	2.50	108.50	5,021.77	-29.18	31.68	-29.49	0.14	-0.11	-2.00	
5,070.00	2.50	107.30	5,068.72	-29.81	33.64	-30.14	0.11	0.00	-2.55	
5,112.00	2.32	108.04	5,110.69	-30.35	35.32	-30.69	0.43	-0.42	1.77	
10 3/4"										
5,213.00	1.90	110.40	5,211.62	-31.57	38.83	-31.94	0.43	-0.42	2.33	
5,308.00	1.10	117.30	5,306.58	-32.53	41.12	-32.93	0.86	-0.84	7.26	
5,403.00	0.40	327.30	5,401.58	-32.67	41.75	-33.08	1.54	-0.74	-157.89	
5,498.00	1.60	299.60	5,496.56	-31.74	40.42	-32.13	1.33	1.26	-29.16	
5,593.00	2.10	303.10	5,591.51	-30.13	37.81	-30.50	0.54	0.53	3.68	
5,688.00	1.70	305.50	5,686.46	-28.36	35.20	-28.71	0.43	-0.42	2.53	
5,783.00	2.20	304.50	5,781.40	-26.51	32.55	-26.83	0.53	0.53	-1.05	
5,878.00	1.90	313.60	5,876.34	-24.39	29.91	-24.69	0.47	-0.32	9.58	
5,973.00	1.70	308.00	5,971.30	-22.44	27.66	-22.71	0.28	-0.21	-5.89	
6,068.00	2.20	303.10	6,066.24	-20.58	25.02	-20.82	0.55	0.53	-5.16	
6,163.00	2.20	298.90	6,161.17	-18.70	21.90	-18.91	0.17	0.00	-4.42	
6,258.00	2.30	308.00	6,256.10	-16.65	18.80	-16.83	0.39	0.11	9.58	
6,353.00	2.00	307.70	6,351.03	-14.46	15.99	-14.61	0.32	-0.32	-0.32	
6,448.00	1.50	285.30	6,445.99	-13.12	13.47	-13.25	0.88	-0.53	-23.58	
6,543.00	1.70	279.00	6,540.95	-12.57	10.88	-12.67	0.28	0.21	-6.63	
6,638.00	1.10	281.10	6,635.92	-12.17	8.60	-12.25	0.63	-0.63	2.21	
6,733.00	1.10	295.90	6,730.91	-11.60	6.88	-11.66	0.30	0.00	15.58	
6,828.00	1.30	296.80	6,825.88	-10.71	5.10	-10.76	0.21	0.21	0.95	
6,923.00	0.40	277.90	6,920.87	-10.18	3.81	-10.22	0.98	-0.95	-19.89	
7,018.00	0.80	282.30	7,015.87	-9.99	2.83	-10.02	0.42	0.42	4.63	
7,113.00	0.80	284.80	7,110.86	-9.68	1.54	-9.70	0.04	0.00	2.63	
7,208.00	0.80	283.00	7,205.85	-9.37	0.26	-9.37	0.03	0.00	-1.89	
7,303.00	0.80	291.30	7,300.84	-8.98	-1.01	-8.97	0.12	0.00	8.74	
7,398.00	1.10	282.50	7,395.83	-8.54	-2.52	-8.51	0.35	0.32	-9.26	
7,493.00	0.80	279.90	7,490.81	-8.23	-4.06	-8.19	0.32	-0.32	-2.74	
7,588.00	1.50	268.10	7,585.79	-8.15	-5.96	-8.09	0.77	0.74	-12.42	
7,682.00	1.30	263.70	7,679.77	-8.31	-8.25	-8.23	0.24	-0.21	-4.68	
7,778.00	1.00	252.60	7,775.75	-8.68	-10.13	-8.58	0.39	-0.31	-11.56	
7,872.00	1.10	253.90	7,869.73	-9.18	-11.78	-9.06	0.11	0.11	1.38	
7,967.00	0.70	249.10	7,964.72	-9.64	-13.20	-9.51	0.43	-0.42	-5.05	
8,062.00	0.90	232.90	8,059.71	-10.29	-14.33	-10.15	0.32	0.21	-17.05	
8,157.00	0.90	248.80	8,154.70	-11.01	-15.62	-10.86	0.26	0.00	16.74	
8,252.00	1.20	227.50	8,249.68	-11.96	-17.05	-11.79	0.51	0.32	-22.42	
8,347.00	0.90	232.90	8,344.67	-13.08	-18.38	-12.90	0.33	-0.32	5.68	
8,442.00	1.30	253.50	8,439.65	-13.83	-20.01	-13.64	0.59	0.42	21.68	
8,537.00	1.50	260.20	8,534.62	-14.35	-22.27	-14.13	0.27	0.21	7.05	
8,632.00	1.30	244.50	8,629.59	-15.03	-24.47	-14.79	0.45	-0.21	-16.53	
8,727.00	1.50	250.50	8,724.56	-15.91	-26.61	-15.64	0.26	0.21	6.32	

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake South Unit 433H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Site:	BLUS Pad 13S	MD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Well:	Bell Lake South Unit 433H	North Reference:	Grid
Wellbore:	#433H OH	Survey Calculation Method:	Minimum Curvature
Design:	#433H 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)	
8,822.00	1.40	270.20	8,819.53	-16.32	-28.94	-16.03	0.53	-0.11	20.74	
8,917.00	1.80	270.20	8,914.50	-16.31	-31.60	-16.00	0.42	0.42	0.00	
9,013.00	1.80	267.90	9,010.45	-16.36	-34.61	-16.02	0.08	0.00	-2.40	
9,108.00	2.20	269.50	9,105.39	-16.43	-37.92	-16.06	0.43	0.42	1.68	
9,203.00	2.40	278.70	9,200.32	-16.14	-41.71	-15.73	0.44	0.21	9.68	
9,298.00	2.60	271.40	9,295.23	-15.79	-45.83	-15.34	0.40	0.21	-7.68	
9,393.00	0.90	197.30	9,390.19	-16.45	-48.21	-15.98	2.64	-1.79	-78.00	
9,488.00	1.30	234.90	9,485.17	-17.78	-49.31	-17.30	0.85	0.42	39.58	
9,583.00	2.10	236.30	9,580.13	-19.37	-51.64	-18.86	0.84	0.84	1.47	
9,678.00	1.00	262.70	9,675.09	-20.44	-53.91	-19.91	1.35	-1.16	27.79	
9,773.00	1.30	249.50	9,770.07	-20.92	-55.75	-20.37	0.42	0.32	-13.89	
9,868.00	1.40	239.10	9,865.05	-21.89	-57.75	-21.33	0.28	0.11	-10.95	
9,963.00	1.40	245.40	9,960.02	-22.97	-59.80	-22.39	0.16	0.00	6.63	
10,057.00	1.80	260.20	10,053.98	-23.70	-62.30	-23.09	0.61	0.43	15.74	
10,153.00	1.30	238.40	10,149.95	-24.53	-64.71	-23.90	0.80	-0.52	-22.71	
10,248.00	1.40	232.10	10,244.92	-25.81	-66.55	-25.16	0.19	0.11	-6.63	
10,343.00	1.80	230.10	10,339.88	-27.48	-68.61	-26.81	0.43	0.42	-2.11	
10,438.00	2.40	241.90	10,434.82	-29.37	-71.51	-28.67	0.78	0.63	12.42	
10,533.00	2.00	257.60	10,529.75	-30.66	-74.88	-29.93	0.76	-0.42	16.53	
10,628.00	2.40	257.60	10,624.68	-31.45	-78.44	-30.68	0.42	0.42	0.00	
10,722.00	1.20	228.70	10,718.63	-32.52	-81.11	-31.73	1.56	-1.28	-30.74	
10,817.00	1.30	225.20	10,813.61	-33.94	-82.62	-33.13	0.13	0.11	-3.68	
10,866.00	1.45	237.59	10,862.60	-34.66	-83.54	-33.84	0.68	0.31	25.29	
7 5/8"										
10,878.00	1.50	240.20	10,874.59	-34.82	-83.80	-34.00	0.68	0.39	21.75	
10,973.00	6.30	347.20	10,969.40	-30.35	-86.04	-29.51	7.25	5.05	112.63	
11,020.00	12.10	7.60	11,015.79	-22.94	-85.96	-22.10	13.97	12.34	43.40	
11,068.00	18.40	4.10	11,062.08	-10.39	-84.75	-9.56	13.26	13.13	-7.29	
11,115.00	23.10	359.50	11,106.02	6.24	-84.30	7.06	10.58	10.00	-9.79	
11,163.00	28.40	359.20	11,149.24	27.09	-84.54	27.91	11.04	11.04	-0.63	
11,210.00	32.30	0.20	11,189.79	50.83	-84.65	51.65	8.37	8.30	2.13	
11,257.00	34.60	1.30	11,229.00	76.73	-84.31	77.55	5.06	4.89	2.34	
11,305.00	38.80	1.30	11,267.48	105.40	-83.66	106.21	8.75	8.75	0.00	
11,352.00	46.10	1.30	11,302.14	137.09	-82.94	137.90	15.53	15.53	0.00	
11,400.00	53.10	2.10	11,333.23	173.61	-81.84	174.40	14.64	14.58	1.67	
11,447.00	57.20	2.50	11,360.08	212.14	-80.29	212.91	8.75	8.72	0.85	
11,495.00	59.30	2.10	11,385.34	252.92	-78.65	253.68	4.43	4.38	-0.83	
11,542.00	63.10	1.10	11,407.97	294.08	-77.51	294.83	8.30	8.09	-2.13	
11,590.00	66.00	0.40	11,428.60	337.42	-76.94	338.15	6.18	6.04	-1.46	
11,613.00	66.10	359.50	11,437.94	358.44	-76.96	359.17	3.60	0.43	-3.91	
11,660.00	67.20	359.20	11,456.56	401.58	-77.45	402.32	2.41	2.34	-0.64	
11,708.00	67.90	359.20	11,474.89	445.94	-78.07	446.68	1.46	1.46	0.00	
11,755.00	70.70	0.00	11,491.51	489.90	-78.38	490.64	6.17	5.96	1.70	

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake South Unit 433H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Site:	BLUS Pad 13S	MD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Well:	Bell Lake South Unit 433H	North Reference:	Grid
Wellbore:	#433H OH	Survey Calculation Method:	Minimum Curvature
Design:	#433H 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)
11,803.00	75.10	1.10	11,505.62	535.77	-77.93	536.50	9.42	9.17	2.29
11,850.00	78.80	1.60	11,516.23	581.53	-76.85	582.25	7.94	7.87	1.06
11,898.00	81.50	2.10	11,524.44	628.79	-75.32	629.50	5.72	5.63	1.04
11,945.00	85.10	2.50	11,529.92	675.43	-73.45	676.11	7.71	7.66	0.85
12,040.00	88.50	2.00	11,535.22	770.19	-69.73	770.84	3.62	3.58	-0.53
12,135.00	88.00	1.80	11,538.12	865.10	-66.58	865.70	0.57	-0.53	-0.21
12,230.00	89.80	2.30	11,539.95	960.01	-63.18	960.58	1.97	1.89	0.53
12,325.00	89.70	2.30	11,540.36	1,054.94	-59.37	1,055.47	0.11	-0.11	0.00
12,420.00	85.80	0.40	11,544.09	1,149.81	-57.13	1,150.32	4.57	-4.11	-2.00
12,515.00	89.30	3.20	11,548.15	1,244.65	-54.15	1,245.12	4.72	3.68	2.95
12,610.00	88.50	1.60	11,549.98	1,339.55	-50.17	1,339.98	1.88	-0.84	-1.68
12,705.00	89.70	0.90	11,551.47	1,434.51	-48.10	1,434.92	1.46	1.26	-0.74
12,752.00	88.50	359.50	11,552.21	1,481.51	-47.93	1,481.90	3.92	-2.55	-2.98
12,800.00	86.60	359.50	11,554.26	1,529.46	-48.35	1,529.86	3.96	-3.96	0.00
12,847.00	87.10	0.00	11,556.84	1,576.39	-48.56	1,576.79	1.50	1.06	1.06
12,894.00	86.70	359.50	11,559.38	1,623.32	-48.76	1,623.72	1.36	-0.85	-1.06
12,942.00	90.00	0.70	11,560.76	1,671.29	-48.68	1,671.68	7.31	6.88	2.50
12,989.00	89.80	1.30	11,560.85	1,718.28	-47.86	1,718.67	1.35	-0.43	1.28
13,037.00	92.10	2.50	11,560.05	1,766.24	-46.27	1,766.61	5.40	4.79	2.50
13,084.00	88.70	1.60	11,559.72	1,813.21	-44.59	1,813.55	7.48	-7.23	-1.91
13,132.00	86.40	2.30	11,561.77	1,861.13	-42.95	1,861.46	5.01	-4.79	1.46
13,179.00	83.60	1.40	11,565.87	1,907.92	-41.44	1,908.24	6.26	-5.96	-1.91
13,227.00	82.00	358.30	11,571.89	1,955.54	-41.56	1,955.85	7.22	-3.33	-6.46
13,274.00	82.60	357.90	11,578.19	2,002.09	-43.11	2,002.41	1.53	1.28	-0.85
13,369.00	82.10	357.20	11,590.83	2,096.15	-47.13	2,096.51	0.90	-0.53	-0.74
13,465.00	84.00	356.90	11,602.45	2,191.32	-52.04	2,191.72	2.00	1.98	-0.31
13,560.00	86.80	357.40	11,610.07	2,285.88	-56.74	2,286.33	2.99	2.95	0.53
13,655.00	87.70	357.20	11,614.62	2,380.67	-61.21	2,381.15	0.97	0.95	-0.21
13,750.00	87.10	357.80	11,618.93	2,475.48	-65.35	2,476.00	0.89	-0.63	0.63
13,845.00	85.60	356.70	11,624.98	2,570.17	-69.90	2,570.73	1.96	-1.58	-1.16
13,939.00	86.80	358.10	11,631.21	2,663.87	-74.16	2,664.46	1.96	1.28	1.49
14,034.00	91.60	0.40	11,632.54	2,758.82	-75.40	2,759.42	5.60	5.05	2.42
14,129.00	92.60	0.70	11,629.06	2,853.75	-74.49	2,854.34	1.10	1.05	0.32
14,224.00	91.10	0.00	11,625.99	2,948.69	-73.91	2,949.27	1.74	-1.58	-0.74
14,319.00	90.80	0.60	11,624.41	3,043.68	-73.41	3,044.25	0.71	-0.32	0.63
14,414.00	90.50	0.20	11,623.34	3,138.67	-72.75	3,139.23	0.53	-0.32	-0.42
14,509.00	92.90	1.40	11,620.52	3,233.61	-71.42	3,234.15	2.82	2.53	1.26
14,604.00	89.70	0.40	11,618.36	3,328.56	-69.93	3,329.08	3.53	-3.37	-1.05
14,699.00	88.10	359.70	11,620.19	3,423.54	-69.85	3,424.06	1.84	-1.68	-0.74
14,794.00	87.10	359.30	11,624.17	3,518.45	-70.68	3,518.97	1.13	-1.05	-0.42
14,889.00	86.70	359.30	11,629.30	3,613.30	-71.83	3,613.83	0.42	-0.42	0.00
14,984.00	87.60	359.90	11,634.03	3,708.18	-72.50	3,708.71	1.14	0.95	0.63
15,079.00	87.80	0.00	11,637.84	3,803.10	-72.58	3,803.63	0.24	0.21	0.11
15,174.00	87.80	0.40	11,641.49	3,898.03	-72.25	3,898.55	0.42	0.00	0.42

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake South Unit 433H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Site:	BLUS Pad 13S	MD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Well:	Bell Lake South Unit 433H	North Reference:	Grid
Wellbore:	#433H OH	Survey Calculation Method:	Minimum Curvature
Design:	#433H 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)
15,269.00	87.80	0.20	11,645.13	3,992.96	-71.75	3,993.47	0.21	0.00	-0.21
15,364.00	87.80	0.00	11,648.78	4,087.89	-71.58	4,088.40	0.21	0.00	-0.21
15,459.00	87.20	359.30	11,652.92	4,182.80	-72.16	4,183.30	0.97	-0.63	-0.74
15,554.00	88.00	358.30	11,656.90	4,277.69	-74.15	4,278.21	1.35	0.84	-1.05
15,649.00	86.90	357.80	11,661.13	4,372.54	-77.38	4,373.09	1.27	-1.16	-0.53
15,744.00	88.40	357.90	11,665.02	4,467.39	-80.94	4,467.97	1.58	1.58	0.11
15,839.00	89.70	359.00	11,666.60	4,562.34	-83.51	4,562.94	1.79	1.37	1.16
15,934.00	90.60	359.20	11,666.35	4,657.33	-85.00	4,657.94	0.97	0.95	0.21
16,029.00	90.70	359.50	11,665.27	4,752.32	-86.08	4,752.93	0.33	0.11	0.32
16,124.00	91.50	0.00	11,663.45	4,847.30	-86.50	4,847.91	0.99	0.84	0.53
16,219.00	89.50	358.30	11,662.62	4,942.27	-87.91	4,942.90	2.76	-2.11	-1.79
16,314.00	88.50	358.60	11,664.28	5,037.22	-90.47	5,037.87	1.10	-1.05	0.32
16,408.00	88.40	358.10	11,666.82	5,131.15	-93.18	5,131.82	0.54	-0.11	-0.53
16,503.00	86.20	356.70	11,671.29	5,225.94	-97.48	5,226.64	2.74	-2.32	-1.47
16,598.00	89.40	358.30	11,674.94	5,320.76	-101.62	5,321.50	3.77	3.37	1.68
16,693.00	90.20	357.40	11,675.27	5,415.69	-105.19	5,416.46	1.27	0.84	-0.95
16,788.00	90.60	358.50	11,674.61	5,510.63	-108.58	5,511.43	1.23	0.42	1.16
16,883.00	90.90	357.40	11,673.37	5,605.56	-111.98	5,606.38	1.20	0.32	-1.16
16,978.00	91.20	359.20	11,671.63	5,700.50	-114.80	5,701.35	1.92	0.32	1.89
17,073.00	92.70	359.70	11,668.39	5,795.43	-115.71	5,796.29	1.66	1.58	0.53
17,168.00	95.10	0.60	11,661.93	5,890.21	-115.46	5,891.05	2.70	2.53	0.95
17,263.00	94.40	1.30	11,654.06	5,984.87	-113.89	5,985.69	1.04	-0.74	0.74
17,358.00	91.80	0.00	11,648.93	6,079.71	-112.82	6,080.52	3.06	-2.74	-1.37
17,453.00	90.00	359.90	11,647.44	6,174.69	-112.90	6,175.50	1.90	-1.89	-0.11
17,548.00	90.80	1.10	11,646.77	6,269.69	-112.07	6,270.48	1.52	0.84	1.26
17,643.00	90.90	0.90	11,645.36	6,364.66	-110.42	6,365.44	0.24	0.11	-0.21
17,738.00	91.70	1.10	11,643.21	6,459.62	-108.76	6,460.38	0.87	0.84	0.21
17,833.00	89.30	359.00	11,642.38	6,554.61	-108.68	6,555.35	3.36	-2.53	-2.21
17,928.00	88.80	358.60	11,643.95	6,649.57	-110.67	6,650.33	0.67	-0.53	-0.42
18,023.00	89.50	358.10	11,645.36	6,744.52	-113.40	6,745.31	0.91	0.74	-0.53
18,118.00	93.70	0.20	11,642.71	6,839.45	-114.81	6,840.24	4.94	4.42	2.21
18,213.00	91.50	358.80	11,638.40	6,934.34	-115.64	6,935.14	2.74	-2.32	-1.47
18,308.00	88.60	358.50	11,638.32	7,029.30	-117.88	7,030.12	3.07	-3.05	-0.32
18,403.00	88.90	358.10	11,640.39	7,124.24	-120.70	7,125.07	0.53	0.32	-0.42
18,498.00	92.90	359.70	11,638.90	7,219.18	-122.52	7,220.04	4.53	4.21	1.68
18,593.00	93.20	358.80	11,633.84	7,314.04	-123.76	7,314.90	1.00	0.32	-0.95
18,688.00	90.70	357.80	11,630.61	7,408.93	-126.58	7,409.82	2.83	-2.63	-1.05
18,783.00	90.70	0.60	11,629.45	7,503.91	-127.90	7,504.80	2.95	0.00	2.95
18,878.00	86.40	359.50	11,631.85	7,598.85	-127.82	7,599.74	4.67	-4.53	-1.16
18,973.00	86.20	0.20	11,637.98	7,693.66	-128.07	7,694.54	0.76	-0.21	0.74
19,068.00	91.70	1.80	11,639.73	7,788.59	-126.41	7,789.45	6.03	5.79	1.68
19,163.00	93.20	0.70	11,635.66	7,883.47	-124.34	7,884.31	1.96	1.58	-1.16
19,258.00	89.10	359.20	11,633.76	7,978.43	-124.42	7,979.26	4.60	-4.32	-1.58

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake South Unit 433H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Site:	BLUS Pad 13S	MD Reference:	GL+KB @ 3622.00usft (Latshaw 45)
Well:	Bell Lake South Unit 433H	North Reference:	Grid
Wellbore:	#433H OH	Survey Calculation Method:	Minimum Curvature
Design:	#433H 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)	
19,353.00	88.90	359.00	11,635.42	8,073.40	-125.91	8,074.25	0.30	-0.21	-0.21	
19,448.00	95.00	2.10	11,632.18	8,168.29	-125.01	8,169.12	7.20	6.42	3.26	
19,543.00	92.30	1.30	11,626.14	8,263.04	-122.20	8,263.84	2.96	-2.84	-0.84	
19,638.00	95.40	2.00	11,619.76	8,357.78	-119.47	8,358.55	3.34	3.26	0.74	
19,733.00	95.60	2.30	11,610.65	8,452.27	-115.92	8,453.00	0.38	0.21	0.32	
19,827.00	96.60	3.00	11,600.66	8,545.64	-111.60	8,546.32	1.30	1.06	0.74	
19,875.00	97.70	3.20	11,594.69	8,593.20	-109.03	8,593.85	2.33	2.29	0.42	
19,910.00	97.70	3.20	11,590.00	8,627.83	-107.09	8,628.46	0.00	0.00	0.00	
5 1/2"										
19,937.00	97.70	3.20	11,586.38	8,654.54	-105.60	8,655.16	0.00	0.00	0.00	
107°FNL 1924'FWL - BLUS 433H BHL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
BLUS 433H SL	0.00	0.00	0.00	0.00	0.00	453,609.79	800,755.56	32° 14' 39.346 N	103° 29' 39.298 W	
- actual wellpath hits target center										
- Point										
BLUS 433H BHL	0.00	0.00	11,586.38	8,654.54	-105.60	462,264.21	800,649.96	32° 16' 4.990 N	103° 29' 39.740 W	
- actual wellpath hits target center										
- Point										

Casing Points						
Measured Depth (usft)	Vertical Depth (usft)	Name			Casing Diameter (")	Hole Diameter (")
1,338.00	1,337.92	13 3/8"			13-3/8	17-1/2
5,112.00	5,110.69	10 3/4"			10-3/4	12-1/4
10,866.00	10,862.60	7 5/8"			7-5/8	9-7/8
19,910.00	11,590.00	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)		
19,937.00	11,586.38	8,654.54	-105.60	107°FNL 1924'FWL	

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 137583

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 137583
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	8/25/2022