

Well Name: BELL LAKE UNIT SOUTH	Well Location: T24S / R34E / SEC 5 / SENE / 32.247809 / -103.487483	County or Parish/State: LEA / NM
Well Number: 217H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC0061374A, NMLC061374A	Unit or CA Name: BELL LAKE	Unit or CA Number: NMNM068292X, NMNM68292X
US Well Number: 3002546592	Well Status: Producing Oil Well	Operator: KAISER FRANCIS OIL COMPANY

Notice of Intent

Sundry ID: 1341014

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 02/08/2021	Time Sundry Submitted: 02:34
Date proposed operation will begin: 02/14/2021	

Procedure Description: Kaiser-Francis Oil Company request to change the SHL for the following well on the Bell Lake Unit South Pad 14 Located in section 5-24S-34E. No new surface disturbance is requested. Bell Lake Unit South 217H API #30-025-46592 Approved SHL 2192 FNL 1237 FEL 5-24S-34E Lea County New Mexico. Proposed SHL 2256 FNL 1374 FEL 5-24S-34E Lea County New Mexico.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

BLUS_217H_C102_20210208143413.pdf

Well Name: BELL LAKE UNIT SOUTH	Well Location: T24S / R34E / SEC 5 / SENE / 32.247809 / -103.487483	County or Parish/State: LEA / NM
Well Number: 217H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC0061374A, NMLC061374A	Unit or CA Name: BELL LAKE	Unit or CA Number: NMNM068292X, NMNM68292X
US Well Number: 3002546592	Well Status: Producing Oil Well	Operator: KAISER FRANCIS OIL COMPANY

Operator

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

Operator Electronic Signature: ERIC HANSEN	Signed on: FEB 08, 2021 02:34 PM
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 Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 03/10/2021
Signature: Chris Walls	

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 30-025-46592	² Pool Code 98264	³ Pool Name Bell Lake; Bone Spring, South
⁴ Property Code 316707	⁵ Property Name BELL LAKE UNIT SOUTH	⁶ Well Number 217H
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL CO.	⁹ Elevation 3583.9

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
G	5	24 S	34 E		2256	NORTH	1374	EAST	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
O	8	24 S	34 E		71	SOUTH	1566	EAST	LEA

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14600
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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.

NW CORNER SEC. 5 LAT. = 32.2538360°N LONG. = 103.5005766°W NMSP EAST (FT) N = 457077.27 E = 798772.36 W/4 CORNER SEC. 5 LAT. = 32.2466023°N LONG. = 103.5005464°W NMSP EAST (FT) N = 454445.73 E = 798802.12 SW CORNER SEC. 5 LAT. = 32.2393444°N LONG. = 103.5005242°W NMSP EAST (FT) N = 451805.34 E = 798829.47		NB8°33'36"E 2640.66 FT NB8°52'07"E 2622.56 FT L 4 N/4 CORNER SEC. 5 LAT. = 32.2538352°N LONG. = 103.4920367°W NMSP EAST (FT) N = 457097.54 E = 801412.43 L 3 NMSP EAST (FT) N = 454866.87 E = 802697.52 L 2 NE CORNER SEC. 5 LAT. = 32.2539207°N LONG. = 103.4835560°W NMSP EAST (FT) N = 457149.32 E = 804033.96 E/4 CORNER SEC. 5 LAT. = 32.2465905°N LONG. = 103.4834825°W NMSP EAST (FT) N = 454482.78 E = 804077.79 SE CORNER SEC. 5 LAT. = 32.2393344°N LONG. = 103.4834649°W NMSP EAST (FT) N = 451843.03 E = 804104.13		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 3/15/22 Signature Date Christina Opfer Printed Name ChristinaO@kfoc.net E-mail Address	
AS-DRILLED FIRST TAKE POINT 2546' FSL, 1607' FEL LAT. = 32.2463099°N LONG. = 103.4886775°W NMSP EAST (FT) N = 454367.99 E = 802472.46 AS-DRILLED KOP 2340' FNL, 1549' FEL LAT. = 32.2474387°N LONG. = 103.4884996°W NMSP EAST (FT) N = 454779.12 E = 802524.21 AS-DRILLED LAST TAKE POINT 282' FSL, 1566' FEL LAT. = 32.2255805°N LONG. = 103.4885115°W NMSP EAST (FT) N = 446827.08 E = 802583.10 AS-DRILLED BOTTOM OF HOLE LAT. = 32.2250008°N LONG. = 103.4885112°W NMSP EAST (FT) N = 446616.18 E = 802584.86 SW CORNER SEC. 8 LAT. = 32.2248308°N LONG. = 103.5004938°W NMSP EAST (FT) N = 446525.43 E = 798879.78 S/4 CORNER SEC. 8 LAT. = 32.2248282°N LONG. = 103.4919721°W NMSP EAST (FT) N = 446544.99 E = 801515.08 SE CORNER SEC. 8 LAT. = 32.2247748°N LONG. = 103.4834497°W NMSP EAST (FT) N = 446546.32 E = 804150.75		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. FEBRUARY 17, 2022 Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number: WILLIAM F. JARAMILLO, P.S. 12797 NO. 6770A			

Intent ☐ As Drilled ☒

API # 30-025-46592		
Operator Name: KAISER-FRANCIS OIL CO.	Property Name: BELL LAKE UNIT SOUTH	Well Number 217H

Kick Off Point (KOP)

UL G	Section 5	Township 24S	Range 34E	Lot	Feet 2340	From N/S NORTH	Feet 1549	From E/W EAST	County LEA
Latitude 32.2474387					Longitude 103.4884996			NAD 83	

First Take Point (FTP)

UL J	Section 5	Township 24S	Range 34E	Lot	Feet 2546	From N/S SOUTH	Feet 1607	From E/W EAST	County LEA
Latitude 32.2463099					Longitude 103.4886775			NAD 83	

Last Take Point (LTP)

UL O	Section 8	Township 24S	Range 34E	Lot	Feet 282	From N/S SOUTH	Feet 1566	From E/W EAST	County LEA
Latitude 32.2255805					Longitude 103.4885115			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 # 30-025-46593		
Operator Name: Kaiser-Francis Oil Company	Property Name: Bell Lake Unit South	Well Number 218H

KZ 06/29/2018



KAISER FRANCIS OIL CO.

LEA COUNTY, N.M. 27

SEC 5-T24S-R34E

BELL LAKE UNIT S. 217H

HORIZONTAL

Survey: Survey #1

Standard Survey Report

24 May, 2021

Kaiser-Francis Oil Company



SB Directional Services

Survey Report

Kaiser-Francis Oil Company

Company:	KAISER FRANCIS OIL CO.	Local Co-ordinate Reference:	Well BELL LAKE UNIT S. 217H
Project:	LEA COUNTY, N.M. 27	TVD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Site:	SEC 5-T24S-R34E	MD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Well:	BELL LAKE UNIT S. 217H	North Reference:	Grid
Wellbore:	HORIZONTAL	Survey Calculation Method:	Minimum Curvature
Design:	HORIZONTAL	Database:	EDM 5000.15 Single User Db

Project	LEA COUNTY, N.M. 27		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	SEC 5-T24S-R34E		
Site Position:		Northing:	454,917.32 usft
From:	Map	Easting:	762,546.69 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.24783
		Longitude:	-103.48412
		Grid Convergence:	0.45 °

Well	BELL LAKE UNIT S. 217H		
Well Position	+N/-S	0.00 usft	Northing: 454,807.83 usft
	+E/-W	0.00 usft	Easting: 761,513.58 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	3,583.90 usft
		Latitude:	32.24755
		Longitude:	-103.48746
		Ground Level:	3,583.90 usft

Wellbore	HORIZONTAL		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	2021/03/15	6.54
			Dip Angle (°) 59.94
			Field Strength (nT) 47,541.44982955

Design	HORIZONTAL		
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 (°) 180.00

Survey Program	Date	2021/05/24		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
141.00	18,648.00	Survey #1 (HORIZONTAL)	MWD	OWSG MWD - Standard

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
141.00	0.70	93.98	141.00	-0.06	0.86	0.06	0.50	0.50	0.00
229.00	1.10	95.91	228.99	-0.18	2.24	0.18	0.46	0.45	2.19
326.00	1.36	75.88	325.96	0.00	4.28	0.00	0.51	0.27	-20.65
508.00	1.45	67.70	507.91	1.40	8.50	-1.40	0.12	0.05	-4.49
599.00	1.49	65.77	598.88	2.32	10.65	-2.32	0.07	0.04	-2.12
691.00	1.49	63.66	690.85	3.35	12.81	-3.35	0.06	0.00	-2.29
783.00	1.27	61.81	782.82	4.36	14.78	-4.36	0.24	-0.24	-2.01
875.00	1.14	60.67	874.80	5.29	16.48	-5.29	0.14	-0.14	-1.24
966.00	0.88	55.40	965.79	6.13	17.84	-6.13	0.30	-0.29	-5.79



SB Directional Services

Survey Report

Kaiser-Francis Oil Company

Company:	KAISER FRANCIS OIL CO.	Local Co-ordinate Reference:	Well BELL LAKE UNIT S. 217H
Project:	LEA COUNTY, N.M. 27	TVD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Site:	SEC 5-T24S-R34E	MD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Well:	BELL LAKE UNIT S. 217H	North Reference:	Grid
Wellbore:	HORIZONTAL	Survey Calculation Method:	Minimum Curvature
Design:	HORIZONTAL	Database:	EDM 5000.15 Single User Db

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)
1,058.00	0.88	37.29	1,057.78	7.09	18.85	-7.09	0.30	0.00	-19.68
1,160.00	0.75	20.15	1,159.77	8.34	19.56	-8.34	0.27	-0.13	-16.80
1,249.00	0.48	7.14	1,248.76	9.26	19.80	-9.26	0.34	-0.30	-14.62
1,438.00	0.66	3.01	1,437.75	11.13	19.96	-11.13	0.10	0.10	-2.19
1,533.00	0.75	34.57	1,532.74	12.19	20.34	-12.19	0.41	0.09	33.22
1,628.00	0.53	32.72	1,627.74	13.07	20.93	-13.07	0.23	-0.23	-1.95
1,723.00	1.05	31.75	1,722.73	14.18	21.63	-14.18	0.55	0.55	-1.02
1,818.00	1.23	52.14	1,817.71	15.55	22.89	-15.55	0.46	0.19	21.46
1,912.00	1.05	59.35	1,911.69	16.60	24.43	-16.60	0.24	-0.19	7.67
2,007.00	0.97	37.12	2,006.68	17.69	25.66	-17.69	0.42	-0.08	-23.40
2,102.00	0.92	28.77	2,101.66	19.00	26.51	-19.00	0.15	-0.05	-8.79
2,197.00	1.19	10.48	2,196.65	20.64	27.06	-20.64	0.45	0.28	-19.25
2,292.00	1.36	10.31	2,291.63	22.72	27.44	-22.72	0.18	0.18	-0.18
2,387.00	1.27	23.23	2,386.60	24.79	28.06	-24.79	0.33	-0.09	13.60
2,482.00	0.62	331.29	2,481.59	26.21	28.23	-26.21	1.07	-0.68	-54.67
2,577.00	1.36	255.70	2,576.58	26.38	26.89	-26.38	1.42	0.78	-79.57
2,672.00	1.32	276.27	2,671.55	26.23	24.71	-26.23	0.51	-0.04	21.65
2,767.00	1.10	275.91	2,766.53	26.44	22.71	-26.44	0.23	-0.23	-0.38
2,862.00	1.10	305.18	2,861.51	27.06	21.06	-27.06	0.59	0.00	30.81
2,957.00	1.27	307.91	2,956.49	28.23	19.48	-28.23	0.19	0.18	2.87
3,052.00	1.23	331.11	3,051.47	29.77	18.16	-29.77	0.53	-0.04	24.42
3,147.00	1.54	333.57	3,146.44	31.81	17.10	-31.81	0.33	0.33	2.59
3,243.00	1.63	346.84	3,242.41	34.29	16.21	-34.29	0.39	0.09	13.82
3,337.00	0.66	321.27	3,336.39	36.01	15.57	-36.01	1.14	-1.03	-27.20
3,432.00	0.84	215.62	3,431.38	35.88	14.82	-35.88	1.26	0.19	-111.21
3,527.00	0.53	179.94	3,526.38	34.87	14.42	-34.87	0.54	-0.33	-37.56
3,622.00	0.53	104.26	3,621.37	34.32	14.84	-34.32	0.68	0.00	-79.66
3,717.00	0.66	104.53	3,716.37	34.08	15.80	-34.08	0.14	0.14	0.28
3,812.00	1.14	67.70	3,811.36	34.30	17.20	-34.30	0.77	0.51	-38.77
3,907.00	0.84	63.92	3,906.34	34.96	18.70	-34.96	0.32	-0.32	-3.98
4,002.00	0.84	61.02	4,001.33	35.61	19.94	-35.61	0.04	0.00	-3.05
4,097.00	0.88	55.22	4,096.32	36.36	21.15	-36.36	0.10	0.04	-6.11
4,192.00	0.92	63.48	4,191.31	37.12	22.43	-37.12	0.14	0.04	8.69
4,287.00	1.67	105.49	4,286.29	37.09	24.44	-37.09	1.22	0.79	44.22
4,382.00	2.42	113.05	4,381.23	35.93	27.62	-35.93	0.84	0.79	7.96
4,477.00	2.51	107.96	4,476.14	34.51	31.45	-34.51	0.25	0.09	-5.36
4,572.00	3.21	106.64	4,571.02	33.10	35.98	-33.10	0.74	0.74	-1.39
4,667.00	4.04	106.90	4,665.83	31.37	41.73	-31.37	0.87	0.87	0.27
4,762.00	4.97	107.78	4,760.53	29.14	48.85	-29.14	0.98	0.98	0.93
4,858.00	5.54	103.65	4,856.13	26.78	57.31	-26.78	0.71	0.59	-4.30
4,953.00	5.71	101.89	4,950.67	24.72	66.39	-24.72	0.25	0.18	-1.85
4,992.00	5.27	102.07	4,989.49	23.94	70.04	-23.94	1.13	-1.13	0.46
5,142.00	4.00	111.82	5,139.00	20.56	81.63	-20.56	0.99	-0.85	6.50
5,237.00	2.73	133.00	5,233.84	17.78	86.37	-17.78	1.85	-1.34	22.29



SB Directional Services

Survey Report

Kaiser-Francis Oil Company

Company:	KAISER FRANCIS OIL CO.	Local Co-ordinate Reference:	Well BELL LAKE UNIT S. 217H
Project:	LEA COUNTY, N.M. 27	TVD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Site:	SEC 5-T24S-R34E	MD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Well:	BELL LAKE UNIT S. 217H	North Reference:	Grid
Wellbore:	HORIZONTAL	Survey Calculation Method:	Minimum Curvature
Design:	HORIZONTAL	Database:	EDM 5000.15 Single User Db

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)
5,332.00	3.60	160.60	5,328.70	13.43	89.01	-13.43	1.82	0.92	29.05
5,427.00	3.21	174.49	5,423.53	7.97	90.26	-7.97	0.96	-0.41	14.62
5,522.00	2.90	175.98	5,518.40	2.92	90.68	-2.92	0.34	-0.33	1.57
5,617.00	2.20	205.16	5,613.31	-1.13	90.07	1.13	1.53	-0.74	30.72
5,712.00	2.33	224.50	5,708.23	-4.15	87.95	4.15	0.81	0.14	20.36
5,807.00	3.60	238.47	5,803.11	-7.09	84.05	7.09	1.53	1.34	14.71
5,902.00	4.31	241.64	5,897.88	-10.35	78.37	10.35	0.78	0.75	3.34
5,997.00	3.96	243.13	5,992.63	-13.52	72.30	13.52	0.39	-0.37	1.57
6,092.00	3.74	243.39	6,087.42	-16.39	66.60	16.39	0.23	-0.23	0.27
6,187.00	3.74	244.19	6,182.22	-19.13	61.04	19.13	0.05	0.00	0.84
6,282.00	3.78	245.33	6,277.01	-21.79	55.41	21.79	0.09	0.04	1.20
6,377.00	3.78	247.09	6,371.80	-24.31	49.68	24.31	0.12	0.00	1.85
6,472.00	3.69	244.98	6,466.60	-26.83	44.02	26.83	0.17	-0.09	-2.22
6,567.00	3.82	244.54	6,561.40	-29.48	38.40	29.48	0.14	0.14	-0.46
6,662.00	3.69	242.60	6,656.20	-32.25	32.82	32.25	0.19	-0.14	-2.04
6,757.00	4.79	259.39	6,750.94	-34.38	26.21	34.38	1.73	1.16	17.67
6,852.00	4.44	260.01	6,845.63	-35.75	18.69	35.75	0.37	-0.37	0.65
6,947.00	4.31	260.01	6,940.35	-37.01	11.55	37.01	0.14	-0.14	0.00
7,043.00	4.48	255.44	7,036.07	-38.58	4.37	38.58	0.41	0.18	-4.76
7,137.00	4.70	262.64	7,129.77	-39.99	-3.00	39.99	0.66	0.23	7.66
7,233.00	5.98	278.46	7,225.36	-39.76	-11.85	39.76	2.02	1.33	16.48
7,328.00	5.80	278.81	7,319.85	-38.30	-21.49	38.30	0.19	-0.19	0.37
7,423.00	5.49	279.43	7,414.39	-36.82	-30.71	36.82	0.33	-0.33	0.65
7,518.00	5.49	277.50	7,508.96	-35.48	-39.70	35.48	0.19	0.00	-2.03
7,613.00	4.84	271.43	7,603.57	-34.79	-48.21	34.79	0.89	-0.68	-6.39
7,708.00	4.53	269.59	7,698.25	-34.71	-55.97	34.71	0.36	-0.33	-1.94
7,803.00	4.62	272.40	7,792.95	-34.58	-63.55	34.58	0.25	0.09	2.96
7,898.00	4.18	268.36	7,887.67	-34.52	-70.83	34.52	0.57	-0.46	-4.25
7,993.00	4.09	265.81	7,982.43	-34.87	-77.67	34.87	0.22	-0.09	-2.68
8,088.00	3.60	261.24	8,077.21	-35.57	-84.00	35.57	0.61	-0.52	-4.81
8,183.00	3.16	258.78	8,172.05	-36.53	-89.51	36.53	0.49	-0.46	-2.59
8,278.00	3.03	255.35	8,266.91	-37.68	-94.51	37.68	0.24	-0.14	-3.61
8,373.00	2.77	252.18	8,361.79	-39.01	-99.12	39.01	0.32	-0.27	-3.34
8,468.00	2.77	250.87	8,456.67	-40.47	-103.48	40.47	0.07	0.00	-1.38
8,563.00	2.64	251.48	8,551.57	-41.92	-107.72	41.92	0.14	-0.14	0.64
8,658.00	2.42	248.93	8,646.48	-43.33	-111.67	43.33	0.26	-0.23	-2.68
8,753.00	2.33	244.63	8,741.39	-44.88	-115.28	44.88	0.21	-0.09	-4.53
8,848.00	2.37	243.31	8,836.31	-46.59	-118.78	46.59	0.07	0.04	-1.39
8,943.00	2.24	243.22	8,931.24	-48.31	-122.20	48.31	0.14	-0.14	-0.09
9,038.00	1.32	217.38	9,026.19	-50.01	-124.52	50.01	1.26	-0.97	-27.20
9,133.00	2.46	236.19	9,121.14	-52.02	-126.88	52.02	1.35	1.20	19.80
9,228.00	3.16	243.39	9,216.03	-54.33	-130.91	54.33	0.82	0.74	7.58
9,323.00	3.08	258.34	9,310.89	-56.01	-135.75	56.01	0.86	-0.08	15.74



SB Directional Services

Survey Report

Kaiser-Francis Oil Company

Company:	KAISER FRANCIS OIL CO.	Local Co-ordinate Reference:	Well BELL LAKE UNIT S. 217H
Project:	LEA COUNTY, N.M. 27	TVD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Site:	SEC 5-T24S-R34E	MD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Well:	BELL LAKE UNIT S. 217H	North Reference:	Grid
Wellbore:	HORIZONTAL	Survey Calculation Method:	Minimum Curvature
Design:	HORIZONTAL	Database:	EDM 5000.15 Single User Db

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)
9,418.00	2.81	259.83	9,405.76	-56.94	-140.54	56.94	0.30	-0.28	1.57
9,513.00	2.95	266.33	9,500.64	-57.51	-145.28	57.51	0.37	0.15	6.84
9,608.00	2.51	264.31	9,595.53	-57.87	-149.79	57.87	0.47	-0.46	-2.13
9,703.00	2.33	245.42	9,690.45	-58.88	-153.61	58.88	0.86	-0.19	-19.88
9,798.00	2.24	232.32	9,785.37	-60.82	-156.84	60.82	0.56	-0.09	-13.79
9,893.00	1.58	237.24	9,880.32	-62.66	-159.41	62.66	0.72	-0.69	5.18
9,988.00	1.67	218.87	9,975.28	-64.45	-161.38	64.45	0.55	0.09	-19.34
10,020.00	1.89	218.26	10,007.27	-65.23	-162.00	65.23	0.69	0.69	-1.91
10,114.00	2.07	219.84	10,101.21	-67.75	-164.04	67.75	0.20	0.19	1.68
10,209.00	4.88	207.18	10,196.03	-72.66	-166.99	72.66	3.05	2.96	-13.33
KOP 217H									
10,304.00	15.03	201.38	10,289.48	-87.77	-173.34	87.77	10.72	10.68	-6.11
10,398.00	29.67	193.56	10,376.20	-121.92	-183.30	121.92	15.86	15.57	-8.32
10,493.00	42.99	191.54	10,452.56	-176.77	-195.34	176.77	14.08	14.02	-2.13
10,587.00	51.74	190.48	10,516.17	-244.59	-208.49	244.59	9.35	9.31	-1.13
10,682.00	55.43	182.93	10,572.61	-320.42	-217.29	320.42	7.48	3.88	-7.95
10,777.00	63.03	181.87	10,621.17	-401.92	-220.67	401.92	8.06	8.00	-1.12
10,871.00	77.71	183.19	10,652.67	-490.12	-224.62	490.12	15.67	15.62	1.40
10,884.01	78.40	183.18	10,655.36	-502.83	-225.33	502.83	5.29	5.28	-0.10
FTP 217H									
10,966.00	82.73	183.10	10,668.80	-583.57	-229.75	583.57	5.29	5.28	-0.09
11,061.00	84.00	182.13	10,679.78	-677.83	-234.06	677.83	1.68	1.34	-1.02
11,156.00	84.97	181.26	10,688.91	-772.35	-236.85	772.35	1.37	1.02	-0.92
11,250.00	85.27	179.67	10,696.90	-866.00	-237.61	866.00	1.72	0.32	-1.69
11,345.00	89.49	180.20	10,701.25	-960.88	-237.51	960.88	4.48	4.44	0.56
11,440.00	90.73	178.97	10,701.06	-1,055.87	-236.82	1,055.87	1.84	1.31	-1.29
11,534.00	92.31	177.65	10,698.57	-1,149.80	-234.05	1,149.80	2.19	1.68	-1.40
11,629.00	93.93	177.04	10,693.40	-1,244.55	-229.65	1,244.55	1.82	1.71	-0.64
11,724.00	96.48	177.04	10,684.78	-1,339.02	-224.77	1,339.02	2.68	2.68	0.00
11,819.00	93.19	177.04	10,676.78	-1,433.55	-219.88	1,433.55	3.46	-3.46	0.00
11,914.00	94.37	175.81	10,670.51	-1,528.15	-213.97	1,528.15	1.79	1.24	-1.29
12,009.00	91.43	177.13	10,665.71	-1,622.84	-208.13	1,622.84	3.39	-3.09	1.39
12,104.00	92.79	176.86	10,662.21	-1,717.64	-203.16	1,717.64	1.46	1.43	-0.28
12,199.00	89.71	178.00	10,660.14	-1,812.51	-198.90	1,812.51	3.46	-3.24	1.20
12,294.00	90.95	177.74	10,659.59	-1,907.44	-195.37	1,907.44	1.33	1.31	-0.27
12,388.00	87.56	178.71	10,660.81	-2,001.37	-192.46	2,001.37	3.75	-3.61	1.03
12,483.00	88.18	178.27	10,664.34	-2,096.27	-189.95	2,096.27	0.80	0.65	-0.46
12,578.00	89.89	177.65	10,665.94	-2,191.19	-186.57	2,191.19	1.91	1.80	-0.65
12,673.00	87.16	180.46	10,668.39	-2,286.13	-185.01	2,286.13	4.12	-2.87	2.96
12,768.00	88.22	180.46	10,672.22	-2,381.05	-185.77	2,381.05	1.12	1.12	0.00
12,862.00	89.93	180.46	10,673.73	-2,475.03	-186.52	2,475.03	1.82	1.82	0.00
12,893.00	90.51	180.55	10,673.62	-2,506.03	-186.80	2,506.03	1.89	1.87	0.29
12,988.00	89.27	179.59	10,673.80	-2,601.03	-186.91	2,601.03	1.65	-1.31	-1.01
13,083.00	86.37	180.73	10,677.41	-2,695.95	-187.18	2,695.95	3.28	-3.05	1.20



SB Directional Services

Survey Report

Kaiser-Francis Oil Company

Company:	KAISER FRANCIS OIL CO.	Local Co-ordinate Reference:	Well BELL LAKE UNIT S. 217H
Project:	LEA COUNTY, N.M. 27	TVD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Site:	SEC 5-T24S-R34E	MD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Well:	BELL LAKE UNIT S. 217H	North Reference:	Grid
Wellbore:	HORIZONTAL	Survey Calculation Method:	Minimum Curvature
Design:	HORIZONTAL	Database:	EDM 5000.15 Single User Db

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)
13,178.00	86.86	180.29	10,683.02	-2,790.78	-188.02	2,790.78	0.69	0.52	-0.46
13,272.00	87.91	179.76	10,687.31	-2,884.68	-188.06	2,884.68	1.25	1.12	-0.56
13,367.00	86.37	179.76	10,692.05	-2,979.55	-187.66	2,979.55	1.62	-1.62	0.00
13,462.00	85.27	179.67	10,698.97	-3,074.30	-187.19	3,074.30	1.16	-1.16	-0.09
13,557.00	85.98	179.15	10,706.22	-3,169.02	-186.22	3,169.02	0.93	0.75	-0.55
13,652.00	86.24	177.83	10,712.67	-3,263.76	-183.72	3,263.76	1.41	0.27	-1.39
13,746.00	85.80	177.21	10,719.19	-3,357.45	-179.66	3,357.45	0.81	-0.47	-0.66
13,841.00	86.24	175.98	10,725.78	-3,452.05	-174.03	3,452.05	1.37	0.46	-1.29
13,936.00	87.34	175.54	10,731.10	-3,546.64	-167.02	3,546.64	1.25	1.16	-0.46
14,031.00	87.87	174.93	10,735.07	-3,641.23	-159.13	3,641.23	0.85	0.56	-0.64
14,126.00	88.66	173.79	10,737.95	-3,735.72	-149.80	3,735.72	1.46	0.83	-1.20
14,221.00	89.76	175.63	10,739.26	-3,830.30	-141.05	3,830.30	2.26	1.16	1.94
14,316.00	90.15	177.48	10,739.34	-3,925.13	-135.34	3,925.13	1.99	0.41	1.95
14,411.00	89.36	179.15	10,739.74	-4,020.08	-132.54	4,020.08	1.94	-0.83	1.76
14,506.00	89.41	181.70	10,740.76	-4,115.06	-133.25	4,115.06	2.68	0.05	2.68
14,601.00	89.71	181.17	10,741.49	-4,210.03	-135.63	4,210.03	0.64	0.32	-0.56
14,696.00	89.58	179.67	10,742.08	-4,305.02	-136.32	4,305.02	1.58	-0.14	-1.58
14,791.00	87.91	181.08	10,744.16	-4,399.99	-136.94	4,399.99	2.30	-1.76	1.48
14,886.00	88.48	181.08	10,747.15	-4,494.93	-138.73	4,494.93	0.60	0.60	0.00
14,981.00	89.54	180.20	10,748.79	-4,589.91	-139.80	4,589.91	1.45	1.12	-0.93
15,076.00	87.69	181.43	10,751.09	-4,684.86	-141.15	4,684.86	2.34	-1.95	1.29
15,172.00	88.75	182.49	10,754.07	-4,780.76	-144.43	4,780.76	1.56	1.10	1.10
15,267.00	89.19	181.78	10,755.78	-4,875.68	-147.97	4,875.68	0.88	0.46	-0.75
15,361.00	89.45	181.17	10,756.90	-4,969.64	-150.39	4,969.64	0.71	0.28	-0.65
15,456.00	89.32	180.64	10,757.92	-5,064.62	-151.89	5,064.62	0.57	-0.14	-0.56
15,551.00	87.60	180.90	10,760.47	-5,159.57	-153.16	5,159.57	1.83	-1.81	0.27
15,646.00	86.11	180.55	10,765.68	-5,254.42	-154.36	5,254.42	1.61	-1.57	-0.37
15,741.00	86.15	179.76	10,772.09	-5,349.20	-154.62	5,349.20	0.83	0.04	-0.83
15,836.00	87.21	179.59	10,777.59	-5,444.04	-154.08	5,444.04	1.13	1.12	-0.18
15,931.00	85.27	179.94	10,783.82	-5,538.83	-153.69	5,538.83	2.07	-2.04	0.37
16,026.00	83.60	178.71	10,793.04	-5,633.37	-152.58	5,633.37	2.18	-1.76	-1.29
16,121.00	83.56	178.44	10,803.66	-5,727.74	-150.23	5,727.74	0.29	-0.04	-0.28
16,216.00	83.74	177.83	10,814.17	-5,822.11	-147.16	5,822.11	0.67	0.19	-0.64
16,311.00	85.01	178.71	10,823.48	-5,916.61	-144.31	5,916.61	1.62	1.34	0.93
16,406.00	86.73	179.06	10,830.32	-6,011.34	-142.46	6,011.34	1.85	1.81	0.37
16,501.00	88.92	179.06	10,833.92	-6,106.25	-140.90	6,106.25	2.31	2.31	0.00
16,596.00	89.85	178.62	10,834.94	-6,201.23	-138.98	6,201.23	1.08	0.98	-0.46
16,691.00	91.47	180.29	10,833.85	-6,296.21	-138.08	6,296.21	2.45	1.71	1.76
16,786.00	90.46	180.38	10,832.25	-6,391.19	-138.63	6,391.19	1.07	-1.06	0.09
16,881.00	88.09	179.41	10,833.45	-6,486.18	-138.46	6,486.18	2.70	-2.49	-1.02
16,976.00	87.74	178.62	10,836.91	-6,581.10	-136.83	6,581.10	0.91	-0.37	-0.83
17,071.00	87.30	178.97	10,841.02	-6,675.99	-134.83	6,675.99	0.59	-0.46	0.37
17,166.00	86.95	178.97	10,845.78	-6,770.85	-133.13	6,770.85	0.37	-0.37	0.00



SB Directional Services

Survey Report

Kaiser-Francis Oil Company

Company:	KAISER FRANCIS OIL CO.	Local Co-ordinate Reference:	Well BELL LAKE UNIT S. 217H
Project:	LEA COUNTY, N.M. 27	TVD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Site:	SEC 5-T24S-R34E	MD Reference:	GE+23.5 @ 3607.40usft (CAC 169)
Well:	BELL LAKE UNIT S. 217H	North Reference:	Grid
Wellbore:	HORIZONTAL	Survey Calculation Method:	Minimum Curvature
Design:	HORIZONTAL	Database:	EDM 5000.15 Single User Db

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)
17,261.00	87.82	179.32	10,850.12	-6,865.74	-131.71	6,865.74	0.99	0.92	0.37
17,356.00	89.23	179.23	10,852.56	-6,960.70	-130.51	6,960.70	1.49	1.48	-0.09
17,451.00	89.89	178.44	10,853.29	-7,055.68	-128.58	7,055.68	1.08	0.69	-0.83
17,546.00	90.86	177.83	10,852.67	-7,150.62	-125.49	7,150.62	1.21	1.02	-0.64
17,641.00	90.20	179.23	10,851.79	-7,245.59	-123.05	7,245.59	1.63	-0.69	1.47
17,736.00	90.95	179.94	10,850.84	-7,340.58	-122.36	7,340.58	1.09	0.79	0.75
17,831.00	88.62	179.94	10,851.19	-7,435.57	-122.26	7,435.57	2.45	-2.45	0.00
17,926.00	88.26	179.94	10,853.78	-7,530.54	-122.16	7,530.54	0.38	-0.38	0.00
18,021.00	88.62	179.59	10,856.37	-7,625.50	-121.77	7,625.50	0.53	0.38	-0.37
18,116.00	88.84	178.97	10,858.47	-7,720.47	-120.58	7,720.47	0.69	0.23	-0.65
18,211.00	88.84	177.83	10,860.40	-7,815.41	-117.93	7,815.41	1.20	0.00	-1.20
18,306.00	89.45	178.80	10,861.81	-7,910.36	-115.13	7,910.36	1.21	0.64	1.02
18,401.00	89.58	180.38	10,862.62	-8,005.35	-114.45	8,005.35	1.67	0.14	1.66
18,496.00	90.90	179.59	10,862.22	-8,100.34	-114.43	8,100.34	1.62	1.39	-0.83
18,591.00	91.56	179.23	10,860.18	-8,195.32	-113.45	8,195.32	0.79	0.69	-0.38
LS 18591.00' MD & 10860.18' TVD - PBHL 217H									
18,648.00	91.56	179.23	10,858.63	-8,252.29	-112.68	8,252.29	0.00	0.00	0.00
PTB 18648.00' MD & 10858.63' TVD									

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
18,591.00	10,860.18	-8,195.32	-113.45	LS 18591.00' MD & 10860.18' TVD
18,648.00	10,858.63	-8,252.29	-112.68	PTB 18648.00' MD & 10858.63' TVD

Checked By: _____ Approved By: _____ Date: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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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 145022

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 145022
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	9/21/2022