

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 30-025-46627	² Pool Code 98264	³ Pool Name Bell Lake; Bone Spring, South
⁴ Property Code 316706	⁵ Property Name BELL LAKE UNIT SOUTH	
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL CO.	⁶ Well Number 236H
		⁹ Elevation 3575.9

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
I	5	24 S	34 E	I	1920	SOUTH	362	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
A	32	23 S	34 E	A	132	NORTH	400	EAST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
480	I		

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. 32 LAT. = 32.2683519°N LONG. = 103.5005984°W NMSP EAST (FT) N = 462358.10 E = 798724.66 W/4 CORNER SEC. 32 LAT. = 32.2610941°N LONG. = 103.5005861°W NMSP EAST (FT) N = 459717.74 E = 798748.94 AS-DRILLED KOP 2149' FSL, 401' FEL LAT. = 32.2452352°N LONG. = 103.4847761°W NMSP EAST (FT) N = 453986.53 E = 803681.76 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. = 32.2468023°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		N89°36'55"E 2645.19 FT N89°34'03"E 2634.35 FT N/4 CORNER SEC. 32 LAT. = 32.2683440°N LONG. = 103.4920425°W NMSP EAST (FT) N = 462375.86 E = 801369.28 AS-DRILLED BOTTOM OF HOLE LAT. = 32.2679797°N LONG. = 103.4848143°W NMSP EAST (FT) N = 462260.90 E = 803604.52 N/4 CORNER SEC. 5 LAT. = 32.2538352°N LONG. = 103.4920367°W NMSP EAST (FT) N = 457097.54 E = 801412.43 S/4 CORNER SEC. 5 LAT. = 32.2392987°N LONG. = 103.4919593°W NMSP EAST (FT) N = 451809.38 E = 801477.80		NE CORNER SEC. 32 LAT. = 32.2683416°N LONG. = 103.4835217°W NMSP EAST (FT) N = 462395.74 E = 804003.04 E/4 CORNER SEC. 32 LAT. = 32.2610849°N LONG. = 103.4835095°W NMSP EAST (FT) N = 459755.76 E = 804027.70 AS-DRILLED FIRST TAKE POINT 2526' FNL, 400' FEL LAT. = 32.2469670°N LONG. = 103.4847790°W NMSP EAST (FT) N = 454616.55 E = 803675.88 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	
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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.

Signature: *Charlotte Van Valkenburg* Date: 11/23/2020

Printed Name: Charlotte Van Valkenburg

E-mail Address: Charlotv@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 30, 2020

Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number: FLEMON OF 2004, PLS 12797

SURVEY NO. 7762B

Intent ☐ As Drilled ☒

API # 30-025-46627		
Operator Name: KAISER-FRANCIS OIL CO.	Property Name: BELL LAKE UNIT SOUTH	Well Number 236H

Kick Off Point (KOP)

UL I	Section 5	Township 24S	Range 34E	Lot	Feet 2149	From N/S SOUTH	Feet 401	From E/W EAST	County LEA
Latitude 32.2452352					Longitude 103.4847761			NAD 83	

First Take Point (FTP)

UL H	Section 5	Township 24S	Range 34E	Lot	Feet 2526	From N/S NORTH	Feet 400	From E/W EAST	County LEA
Latitude 32.2469670					Longitude 103.4847790			NAD 83	

Last Take Point (LTP)

UL A	Section 32	Township 23S	Range 34E	Lot	Feet 132	From N/S NORTH	Feet 400	From E/W EAST	County LEA
Latitude 32.2679797					Longitude 103.4848143			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 # 30-025-46625		
Operator Name: Kaiser-Francis Oil Company	Property Name: Bell Lake Unit South	Well Number 234H

KZ 06/29/2018

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 236H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Site:	BLUS Pad 17	MD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Well:	Bell Lake Unit South 236H	North Reference:	Grid
Wellbore:	#236H OH	Survey Calculation Method:	Minimum Curvature
Design:	#236H 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 17, Centered on Feb.25 adj. 236H			
Site Position:		Northing:	453,758.04 usft	Latitude:	32° 14' 40.582 N
From:	Map	Easting:	803,723.07 usft	Longitude:	103° 29' 4.734 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.45 °

Well	Bell Lake Unit South 236H					
Well Position	+N/-S	0.00 usft	Northing:	453,758.04 usft	Latitude:	32° 14' 40.582 N
	+E/-W	0.00 usft	Easting:	803,723.07 usft	Longitude:	103° 29' 4.734 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,575.90 usft

Wellbore	#236H OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	03/26/20	6.65	59.97	47,641.26696816

Design	#236H 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)	Direction (°)	
	0.00	0.00	0.00	359.47	

Survey Program	Date	04/07/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	1,180.00	Survey #1 (#236H OH)	GYRO-NS	Gyrocompass Gyro	
1,358.00	18,720.00	Survey #2 (#236H OH)	MWD	MWD - Standard	
18,795.00	18,795.00	Projection (#236H 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 236H SL										
100.00	0.80	315.09	100.00	0.49	-0.49	0.50	0.80	0.80	0.00	
200.00	0.77	321.67	199.99	1.52	-1.40	1.53	0.09	-0.03	6.58	
300.00	0.83	312.46	299.98	2.53	-2.35	2.55	0.14	0.06	-9.21	
400.00	1.11	309.77	399.96	3.64	-3.63	3.67	0.28	0.28	-2.69	
500.00	1.09	305.05	499.94	4.81	-5.16	4.85	0.09	-0.02	-4.72	
600.00	1.33	319.88	599.92	6.24	-6.68	6.30	0.39	0.24	14.83	
700.00	1.22	325.41	699.90	8.00	-8.03	8.08	0.16	-0.11	5.53	

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 236H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Site:	BLUS Pad 17	MD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Well:	Bell Lake Unit South 236H	North Reference:	Grid
Wellbore:	#236H OH	Survey Calculation Method:	Minimum Curvature
Design:	#236H 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)
800.00	0.98	318.52	799.88	9.52	-9.20	9.61	0.27	-0.24	-6.89
900.00	0.55	334.07	899.87	10.59	-9.98	10.69	0.47	-0.43	15.55
1,000.00	0.60	322.75	999.87	11.44	-10.51	11.54	0.12	0.05	-11.32
1,100.00	0.88	350.05	1,099.86	12.61	-10.96	12.72	0.44	0.28	27.30
1,180.00	0.81	358.75	1,179.85	13.79	-11.08	13.89	0.18	-0.09	10.88
1,335.00	1.06	359.16	1,334.83	16.32	-11.12	16.42	0.16	0.16	0.26
13 3/8"									
1,358.00	1.10	359.20	1,357.82	16.75	-11.13	16.85	0.16	0.16	0.19
1,421.00	1.30	355.00	1,420.81	18.07	-11.20	18.17	0.35	0.32	-6.67
1,516.00	1.40	348.30	1,515.78	20.28	-11.53	20.38	0.20	0.11	-7.05
1,610.00	1.40	344.90	1,609.76	22.51	-12.06	22.62	0.09	0.00	-3.62
1,704.00	2.60	356.50	1,703.70	25.75	-12.49	25.86	1.34	1.28	12.34
1,798.00	2.90	0.80	1,797.59	30.25	-12.59	30.37	0.39	0.32	4.57
1,893.00	3.60	359.20	1,892.44	35.64	-12.59	35.75	0.74	0.74	-1.68
1,987.00	4.00	357.80	1,986.23	41.87	-12.76	41.98	0.44	0.43	-1.49
2,081.00	4.00	358.80	2,080.00	48.42	-12.96	48.54	0.07	0.00	1.06
2,176.00	3.90	1.60	2,174.77	54.96	-12.93	55.08	0.23	-0.11	2.95
2,270.00	3.70	1.30	2,268.57	61.19	-12.78	61.31	0.21	-0.21	-0.32
2,364.00	3.50	358.60	2,362.38	67.09	-12.78	67.21	0.28	-0.21	-2.87
2,459.00	3.30	355.10	2,457.21	72.71	-13.08	72.83	0.30	-0.21	-3.68
2,553.00	4.20	357.10	2,551.01	78.85	-13.49	78.97	0.97	0.96	2.13
2,648.00	4.70	355.10	2,645.73	86.20	-14.00	86.33	0.55	0.53	-2.11
2,743.00	4.70	356.90	2,740.41	93.96	-14.54	94.09	0.16	0.00	1.89
2,837.00	4.70	358.10	2,834.09	101.66	-14.87	101.79	0.10	0.00	1.28
2,932.00	4.50	348.30	2,928.79	109.20	-15.76	109.34	0.85	-0.21	-10.32
3,026.00	4.20	350.20	3,022.51	116.20	-17.09	116.35	0.35	-0.32	2.02
3,121.00	4.00	352.50	3,117.27	122.91	-18.12	123.08	0.27	-0.21	2.42
3,215.00	3.90	348.30	3,211.05	129.29	-19.19	129.47	0.33	-0.11	-4.47
3,309.00	4.00	345.30	3,304.83	135.60	-20.67	135.78	0.24	0.11	-3.19
3,403.00	3.80	348.60	3,398.61	141.82	-22.12	142.02	0.32	-0.21	3.51
3,498.00	3.60	348.40	3,493.41	147.83	-23.34	148.04	0.21	-0.21	-0.21
3,593.00	3.50	348.80	3,588.23	153.59	-24.51	153.81	0.11	-0.11	0.42
3,688.00	3.20	354.80	3,683.07	159.08	-25.31	159.31	0.49	-0.32	6.32
3,783.00	3.40	338.40	3,777.91	164.34	-26.59	164.58	1.01	0.21	-17.26
3,877.00	3.70	337.70	3,871.73	169.74	-28.76	170.00	0.32	0.32	-0.74
3,972.00	3.30	339.50	3,966.55	175.14	-30.89	175.41	0.44	-0.42	1.89
4,066.00	3.10	337.40	4,060.41	180.02	-32.81	180.31	0.25	-0.21	-2.23
4,161.00	3.00	338.60	4,155.27	184.70	-34.70	185.01	0.12	-0.11	1.26
4,255.00	2.30	350.60	4,249.17	188.85	-35.91	189.18	0.95	-0.74	12.77
4,350.00	1.80	4.10	4,344.11	192.22	-36.11	192.55	0.73	-0.53	14.21
4,444.00	1.60	19.70	4,438.07	194.93	-35.57	195.25	0.53	-0.21	16.60
4,539.00	1.40	27.80	4,533.04	197.21	-34.58	197.52	0.31	-0.21	8.53
4,633.00	1.20	46.60	4,627.01	198.90	-33.33	199.20	0.50	-0.21	20.00

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 236H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Site:	BLUS Pad 17	MD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Well:	Bell Lake Unit South 236H	North Reference:	Grid
Wellbore:	#236H OH	Survey Calculation Method:	Minimum Curvature
Design:	#236H 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)
4,727.00	1.60	62.60	4,720.98	200.18	-31.45	200.46	0.59	0.43	17.02
4,822.00	1.80	72.60	4,815.94	201.23	-28.85	201.49	0.38	0.21	10.53
4,916.00	2.10	74.60	4,909.89	202.13	-25.78	202.36	0.33	0.32	2.13
5,010.00	1.90	68.40	5,003.83	203.16	-22.67	203.36	0.31	-0.21	-6.60
5,083.00	1.80	69.10	5,076.79	204.02	-20.47	204.20	0.14	-0.14	0.96
5,132.00	1.75	66.92	5,125.77	204.59	-19.06	204.75	0.17	-0.09	-4.45
9 5/8"									
5,196.00	1.70	63.90	5,189.74	205.39	-17.31	205.54	0.17	-0.09	-4.72
5,291.00	0.10	93.60	5,284.73	206.00	-15.96	206.14	1.70	-1.68	31.26
5,385.00	0.70	236.10	5,378.72	205.68	-16.35	205.82	0.83	0.64	151.60
5,480.00	0.80	226.60	5,473.72	204.90	-17.32	205.05	0.17	0.11	-10.00
5,574.00	0.80	238.40	5,567.71	204.10	-18.35	204.27	0.17	0.00	12.55
5,669.00	0.90	231.60	5,662.70	203.29	-19.50	203.46	0.15	0.11	-7.16
5,763.00	0.80	253.50	5,756.69	202.65	-20.71	202.83	0.36	-0.11	23.30
5,857.00	0.90	242.80	5,850.68	202.12	-22.00	202.32	0.20	0.11	-11.38
5,952.00	0.90	237.70	5,945.66	201.38	-23.29	201.59	0.08	0.00	-5.37
6,046.00	0.80	247.00	6,039.65	200.73	-24.52	200.95	0.18	-0.11	9.89
6,141.00	0.80	246.50	6,134.64	200.21	-25.74	200.44	0.01	0.00	-0.53
6,236.00	0.60	253.90	6,229.64	199.81	-26.82	200.05	0.23	-0.21	7.79
6,330.00	0.80	246.30	6,323.63	199.41	-27.90	199.66	0.23	0.21	-8.09
6,425.00	0.60	242.40	6,418.62	198.91	-28.95	199.17	0.22	-0.21	-4.11
6,519.00	0.60	236.80	6,512.62	198.41	-29.79	198.68	0.06	0.00	-5.96
6,614.00	0.80	231.70	6,607.61	197.73	-30.73	198.01	0.22	0.21	-5.37
6,709.00	0.60	247.20	6,702.60	197.13	-31.71	197.41	0.29	-0.21	16.32
6,804.00	0.70	228.90	6,797.60	196.55	-32.61	196.84	0.24	0.11	-19.26
6,898.00	0.60	253.30	6,891.59	196.03	-33.51	196.33	0.31	-0.11	25.96
6,993.00	0.60	250.90	6,986.59	195.73	-34.46	196.04	0.03	0.00	-2.53
7,088.00	0.70	215.20	7,081.58	195.09	-35.26	195.41	0.43	0.11	-37.58
7,182.00	1.00	207.50	7,175.57	193.89	-35.97	194.22	0.34	0.32	-8.19
7,277.00	0.70	195.50	7,270.56	192.60	-36.51	192.93	0.37	-0.32	-12.63
7,371.00	1.00	189.90	7,364.55	191.24	-36.80	191.57	0.33	0.32	-5.96
7,465.00	1.10	190.20	7,458.53	189.54	-37.10	189.88	0.11	0.11	0.32
7,560.00	1.10	205.00	7,553.52	187.82	-37.65	188.16	0.30	0.00	15.58
7,654.00	1.10	196.90	7,647.50	186.14	-38.29	186.48	0.17	0.00	-8.62
7,749.00	1.10	186.60	7,742.48	184.36	-38.66	184.71	0.21	0.00	-10.84
7,844.00	1.50	173.70	7,837.46	182.22	-38.63	182.57	0.52	0.42	-13.58
7,938.00	1.50	175.70	7,931.43	179.77	-38.40	180.11	0.06	0.00	2.13
8,032.00	1.50	178.50	8,025.39	177.31	-38.28	177.66	0.08	0.00	2.98
8,126.00	1.30	172.50	8,119.37	175.02	-38.11	175.37	0.26	-0.21	-6.38
8,221.00	1.40	174.10	8,214.34	172.80	-37.85	173.14	0.11	0.11	1.68
8,315.00	1.40	159.80	8,308.31	170.58	-37.33	170.92	0.37	0.00	-15.21
8,410.00	1.20	167.00	8,403.29	168.52	-36.71	168.85	0.27	-0.21	7.58
8,504.00	1.10	166.50	8,497.27	166.69	-36.28	167.01	0.11	-0.11	-0.53
8,598.00	1.10	160.90	8,591.25	164.96	-35.77	165.28	0.11	0.00	-5.96

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 236H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Site:	BLUS Pad 17	MD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Well:	Bell Lake Unit South 236H	North Reference:	Grid
Wellbore:	#236H OH	Survey Calculation Method:	Minimum Curvature
Design:	#236H 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)
8,692.00	0.80	154.20	8,685.24	163.51	-35.19	163.83	0.34	-0.32	-7.13
8,786.00	0.70	141.60	8,779.23	162.47	-34.55	162.78	0.20	-0.11	-13.40
8,881.00	0.40	154.40	8,874.23	161.72	-34.05	162.03	0.34	-0.32	13.47
8,975.00	0.40	159.10	8,968.22	161.11	-33.79	161.42	0.03	0.00	5.00
9,070.00	0.20	70.40	9,063.22	160.86	-33.51	161.16	0.47	-0.21	-93.37
9,164.00	0.30	355.30	9,157.22	161.16	-33.38	161.46	0.33	0.11	-79.89
9,259.00	0.20	304.90	9,252.22	161.50	-33.53	161.81	0.24	-0.11	-53.05
9,353.00	0.70	247.90	9,346.22	161.38	-34.20	161.69	0.65	0.53	-60.64
9,447.00	1.50	251.90	9,440.20	160.78	-35.90	161.11	0.85	0.85	4.26
9,541.00	0.90	278.30	9,534.18	160.51	-37.80	160.85	0.85	-0.64	28.09
9,636.00	0.80	285.20	9,629.17	160.79	-39.18	161.14	0.15	-0.11	7.26
9,731.00	1.60	268.10	9,724.15	160.92	-41.15	161.29	0.91	0.84	-18.00
9,825.00	1.50	267.10	9,818.11	160.81	-43.69	161.21	0.11	-0.11	-1.06
9,918.00	1.20	261.10	9,911.09	160.60	-45.86	161.02	0.36	-0.32	-6.45
10,013.00	1.30	232.80	10,006.07	159.80	-47.70	160.23	0.65	0.11	-29.79
10,108.00	3.70	346.70	10,101.00	162.13	-49.27	162.58	4.62	2.53	119.89
10,155.00	8.90	355.50	10,147.70	167.23	-49.90	167.69	11.22	11.06	18.72
10,202.00	12.80	355.70	10,193.85	176.05	-50.58	176.51	8.30	8.30	0.43
10,249.00	16.80	357.80	10,239.28	188.04	-51.23	188.50	8.59	8.51	4.47
10,297.00	20.30	357.20	10,284.78	203.29	-51.90	203.76	7.30	7.29	-1.25
10,344.00	24.20	358.10	10,328.28	221.07	-52.62	221.54	8.33	8.30	1.91
10,391.00	28.60	0.20	10,370.36	241.95	-52.90	242.43	9.57	9.36	4.47
10,438.00	34.00	0.40	10,410.51	266.36	-52.77	266.84	11.49	11.49	0.43
10,486.00	39.00	1.10	10,449.08	294.90	-52.39	295.37	10.45	10.42	1.46
10,533.00	43.40	0.80	10,484.44	325.85	-51.88	326.31	9.37	9.36	-0.64
10,580.00	47.80	359.70	10,517.31	359.42	-51.74	359.88	9.51	9.36	-2.34
10,627.00	53.00	359.30	10,547.26	395.62	-52.06	396.08	11.08	11.06	-0.85
10,674.00	57.80	359.50	10,573.94	434.29	-52.47	434.76	10.22	10.21	0.43
10,721.00	62.10	0.20	10,597.47	474.97	-52.57	475.43	9.24	9.15	1.49
10,767.00	67.90	1.30	10,616.91	516.63	-52.01	517.09	12.79	12.61	2.39
10,815.00	72.40	1.50	10,633.20	561.76	-50.91	562.20	9.38	9.38	0.42
10,861.00	75.60	0.60	10,645.88	605.96	-50.10	606.40	7.21	6.96	-1.96
10,909.00	79.60	0.60	10,656.18	652.83	-49.61	653.26	8.33	8.33	0.00
10,955.00	82.20	0.90	10,663.46	698.24	-49.02	698.67	5.69	5.65	0.65
11,049.00	86.20	1.10	10,672.96	791.73	-47.38	792.13	4.26	4.26	0.21
11,143.00	86.60	0.60	10,678.86	885.53	-45.99	885.92	0.68	0.43	-0.53
11,238.00	86.80	0.20	10,684.33	980.37	-45.33	980.75	0.47	0.21	-0.42
11,332.00	87.20	359.70	10,689.25	1,074.24	-45.41	1,074.62	0.68	0.43	-0.53
11,427.00	87.80	359.30	10,693.39	1,169.15	-46.24	1,169.53	0.76	0.63	-0.42
11,521.00	88.40	359.20	10,696.51	1,263.09	-47.47	1,263.47	0.65	0.64	-0.11
11,615.00	88.90	359.30	10,698.72	1,357.05	-48.70	1,357.45	0.54	0.53	0.11
11,710.00	88.90	359.00	10,700.55	1,452.02	-50.11	1,452.43	0.32	0.00	-0.32
11,804.00	89.60	359.00	10,701.78	1,546.00	-51.75	1,546.41	0.74	0.74	0.00

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 236H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Site:	BLUS Pad 17	MD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Well:	Bell Lake Unit South 236H	North Reference:	Grid
Wellbore:	#236H OH	Survey Calculation Method:	Minimum Curvature
Design:	#236H 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)
11,898.00	87.80	357.80	10,703.91	1,639.94	-54.37	1,640.37	2.30	-1.91	-1.28
11,992.00	87.80	358.10	10,707.52	1,733.81	-57.73	1,734.27	0.32	0.00	0.32
12,086.00	87.90	359.50	10,711.04	1,827.72	-59.70	1,828.19	1.49	0.11	1.49
12,181.00	88.10	358.80	10,714.36	1,922.65	-61.11	1,923.13	0.77	0.21	-0.74
12,275.00	88.00	357.90	10,717.56	2,016.55	-63.81	2,017.06	0.96	-0.11	-0.96
12,369.00	87.80	358.60	10,721.00	2,110.45	-66.68	2,110.97	0.77	-0.21	0.74
12,464.00	88.00	0.00	10,724.48	2,205.37	-67.84	2,205.91	1.49	0.21	1.47
12,558.00	88.50	358.10	10,727.35	2,299.31	-69.40	2,299.85	2.09	0.53	-2.02
12,653.00	87.60	359.70	10,730.59	2,394.23	-71.22	2,394.79	1.93	-0.95	1.68
12,747.00	88.10	359.20	10,734.11	2,488.16	-72.13	2,488.72	0.75	0.53	-0.53
12,842.00	89.10	1.10	10,736.43	2,583.13	-71.88	2,583.68	2.26	1.05	2.00
12,936.00	87.90	2.00	10,738.90	2,677.06	-69.33	2,677.59	1.60	-1.28	0.96
13,031.00	88.60	2.90	10,741.80	2,771.93	-65.28	2,772.41	1.20	0.74	0.95
13,125.00	88.40	1.80	10,744.26	2,865.81	-61.42	2,866.26	1.19	-0.21	-1.17
13,219.00	88.80	1.10	10,746.55	2,959.76	-59.04	2,960.18	0.86	0.43	-0.74
13,314.00	89.20	0.60	10,748.21	3,054.73	-57.64	3,055.13	0.67	0.42	-0.53
13,408.00	87.60	0.80	10,750.84	3,148.68	-56.49	3,149.07	1.72	-1.70	0.21
13,503.00	87.80	0.40	10,754.65	3,243.60	-55.49	3,243.98	0.47	0.21	-0.42
13,597.00	87.80	0.00	10,758.26	3,337.53	-55.17	3,337.90	0.43	0.00	-0.43
13,691.00	88.00	0.00	10,761.70	3,431.47	-55.17	3,431.83	0.21	0.21	0.00
13,785.00	87.50	359.70	10,765.39	3,525.40	-55.41	3,525.76	0.62	-0.53	-0.32
13,880.00	87.00	358.30	10,769.95	3,620.27	-57.07	3,620.64	1.56	-0.53	-1.47
13,974.00	88.50	358.80	10,773.64	3,714.16	-59.44	3,714.55	1.68	1.60	0.53
14,069.00	88.50	357.20	10,776.13	3,809.07	-62.76	3,809.49	1.68	0.00	-1.68
14,162.00	88.10	355.70	10,778.89	3,901.85	-68.51	3,902.31	1.67	-0.43	-1.61
14,257.00	89.00	357.20	10,781.29	3,996.63	-74.39	3,997.15	1.84	0.95	1.58
14,351.00	89.30	358.30	10,782.69	4,090.55	-78.08	4,091.09	1.21	0.32	1.17
14,446.00	91.90	357.60	10,781.69	4,185.47	-81.48	4,186.05	2.83	2.74	-0.74
14,540.00	90.90	358.60	10,779.39	4,279.39	-84.60	4,279.99	1.50	-1.06	1.06
14,634.00	91.10	358.30	10,777.75	4,373.34	-87.14	4,373.96	0.38	0.21	-0.32
14,729.00	91.10	357.80	10,775.93	4,468.27	-90.37	4,468.91	0.53	0.00	-0.53
14,823.00	89.80	358.80	10,775.19	4,562.22	-93.16	4,562.89	1.74	-1.38	1.06
14,847.00	90.00	359.00	10,775.23	4,586.22	-93.62	4,586.89	1.18	0.83	0.83
14,942.00	90.20	0.20	10,775.07	4,681.21	-94.28	4,681.88	1.28	0.21	1.26
15,036.00	90.40	0.20	10,774.58	4,775.21	-93.96	4,775.87	0.21	0.21	0.00
15,131.00	90.00	359.90	10,774.24	4,870.21	-93.87	4,870.87	0.53	-0.42	-0.32
15,225.00	89.50	359.50	10,774.65	4,964.21	-94.36	4,964.87	0.68	-0.53	-0.43
15,319.00	88.90	359.30	10,775.97	5,058.19	-95.35	5,058.86	0.67	-0.64	-0.21
15,413.00	90.00	359.50	10,776.87	5,152.18	-96.33	5,152.85	1.19	1.17	0.21
15,508.00	89.80	359.20	10,777.03	5,247.17	-97.41	5,247.85	0.38	-0.21	-0.32
15,602.00	90.40	0.90	10,776.87	5,341.17	-97.33	5,341.84	1.92	0.64	1.81
15,697.00	90.40	0.40	10,776.21	5,436.16	-96.25	5,436.82	0.53	0.00	-0.53
15,791.00	90.50	359.70	10,775.47	5,530.16	-96.17	5,530.81	0.75	0.11	-0.74
15,886.00	90.40	359.70	10,774.72	5,625.15	-96.67	5,625.81	0.11	-0.11	0.00

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 236H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Site:	BLUS Pad 17	MD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Well:	Bell Lake Unit South 236H	North Reference:	Grid
Wellbore:	#236H OH	Survey Calculation Method:	Minimum Curvature
Design:	#236H 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)
15,980.00	90.90	359.50	10,773.66	5,719.15	-97.32	5,719.80	0.57	0.53	-0.21
16,075.00	91.40	359.20	10,771.75	5,814.12	-98.40	5,814.78	0.61	0.53	-0.32
16,169.00	89.30	358.60	10,771.18	5,908.09	-100.20	5,908.77	2.32	-2.23	-0.64
16,263.00	89.90	0.90	10,771.83	6,002.08	-100.61	6,002.76	2.53	0.64	2.45
16,358.00	90.00	1.10	10,771.91	6,097.07	-98.96	6,097.72	0.24	0.11	0.21
16,452.00	90.00	0.90	10,771.91	6,191.06	-97.32	6,191.69	0.21	0.00	-0.21
16,546.00	90.10	1.10	10,771.83	6,285.04	-95.68	6,285.66	0.24	0.11	0.21
16,641.00	90.00	1.10	10,771.75	6,380.02	-93.85	6,380.62	0.11	-0.11	0.00
16,736.00	89.70	1.10	10,772.00	6,475.01	-92.03	6,475.58	0.32	-0.32	0.00
16,830.00	89.30	1.10	10,772.82	6,568.98	-90.22	6,569.54	0.43	-0.43	0.00
16,925.00	88.90	0.80	10,774.31	6,663.96	-88.65	6,664.49	0.53	-0.42	-0.32
17,019.00	88.40	0.60	10,776.53	6,757.93	-87.50	6,758.45	0.57	-0.53	-0.21
17,114.00	88.20	0.60	10,779.34	6,852.88	-86.51	6,853.39	0.21	-0.21	0.00
17,208.00	87.90	0.80	10,782.54	6,946.82	-85.36	6,947.31	0.38	-0.32	0.21
17,303.00	87.60	0.80	10,786.27	7,041.74	-84.03	7,042.21	0.32	-0.32	0.00
17,397.00	87.00	0.20	10,790.70	7,135.63	-83.21	7,136.09	0.90	-0.64	-0.64
17,491.00	88.50	359.70	10,794.39	7,229.55	-83.30	7,230.01	1.68	1.60	-0.53
17,586.00	89.00	359.70	10,796.46	7,324.53	-83.79	7,324.99	0.53	0.53	0.00
17,680.00	88.70	359.70	10,798.35	7,418.51	-84.29	7,418.97	0.32	-0.32	0.00
17,774.00	90.60	359.50	10,798.92	7,512.50	-84.94	7,512.96	2.03	2.02	-0.21
17,869.00	91.20	359.70	10,797.43	7,607.48	-85.60	7,607.95	0.67	0.63	0.21
17,964.00	91.90	0.60	10,794.86	7,702.45	-85.36	7,702.91	1.20	0.74	0.95
18,058.00	89.20	359.70	10,793.96	7,796.43	-85.11	7,796.89	3.03	-2.87	-0.96
18,153.00	88.50	359.90	10,795.87	7,891.41	-85.44	7,891.86	0.77	-0.74	0.21
18,247.00	89.00	0.40	10,797.92	7,985.39	-85.20	7,985.84	0.75	0.53	0.53
18,341.00	89.50	0.90	10,799.15	8,079.37	-84.13	8,079.81	0.75	0.53	0.53
18,436.00	88.80	0.60	10,800.56	8,174.35	-82.89	8,174.77	0.80	-0.74	-0.32
18,531.00	89.10	0.20	10,802.30	8,269.34	-82.22	8,269.74	0.53	0.32	-0.42
18,625.00	89.10	0.00	10,803.77	8,363.32	-82.06	8,363.73	0.21	0.00	-0.21
18,720.00	89.60	359.70	10,804.85	8,458.32	-82.31	8,458.72	0.61	0.53	-0.32
18,734.00	89.60	359.70	10,804.95	8,472.32	-82.38	8,472.72	0.00	0.00	0.00
5 1/2"									
18,795.00	89.60	359.70	10,805.38	8,533.31	-82.70	8,533.71	0.00	0.00	0.00
102'FNL 364'FEL - BLUS 236H BHL									

Titan Directional Drilling

Survey Report

Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 236H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Site:	BLUS Pad 17	MD Reference:	GL+KB @ 3602.00usft (Latshaw 45)
Well:	Bell Lake Unit South 236H	North Reference:	Grid
Wellbore:	#236H OH	Survey Calculation Method:	Minimum Curvature
Design:	#236H OH	Database:	EDM 5k-14

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
BLUS 236H SL	0.00	0.00	0.00	0.00	0.00	453,758.04	803,723.07	32° 14' 40.582 N	103° 29' 4.734 W
- actual wellpath hits target center									
- Point									
BLUS 236H BHL	0.00	0.00	10,805.38	8,533.31	-82.70	462,291.25	803,640.37	32° 16' 5.024 N	103° 29' 4.911 W
- actual wellpath hits target center									
- Point									

Casing Points

Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter
(usft)	(usft)		(")	(")
1,335.00	1,334.83	13 3/8"	13-3/8	17-1/2
5,132.00	5,125.77	9 5/8"	9-5/8	12-1/4
18,734.00	10,804.95	5 1/2"	5-1/2	6-1/2

Design Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
18,795.00	10,805.38	8,533.31	-82.70	102°FNL 364°FEL

Kaiser-Francis Oil Company

Project: Permian NM E'83

County: Lea

Site: BLUS Pad 17

Well: Bell Lake Unit South 236H

Wellbore: #236H OH

Design: #236H OH

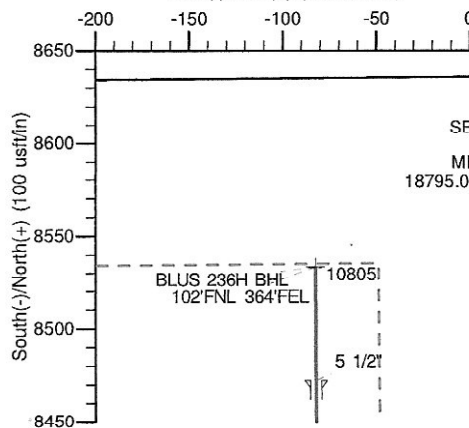


TITAN
Directional Drilling

CASING DETAILS

TVD	MD	Name
1334.83	1335.00	13 3/8"
5125.77	5132.00	9 5/8"
10804.95	18734.00	5 1/2"

West(-)/East(+) (100 usft/in)



SECTION CALL DEPTHS

MD	TVD	Annotation
18795.00	10805.38	102'FNL 364'FEL

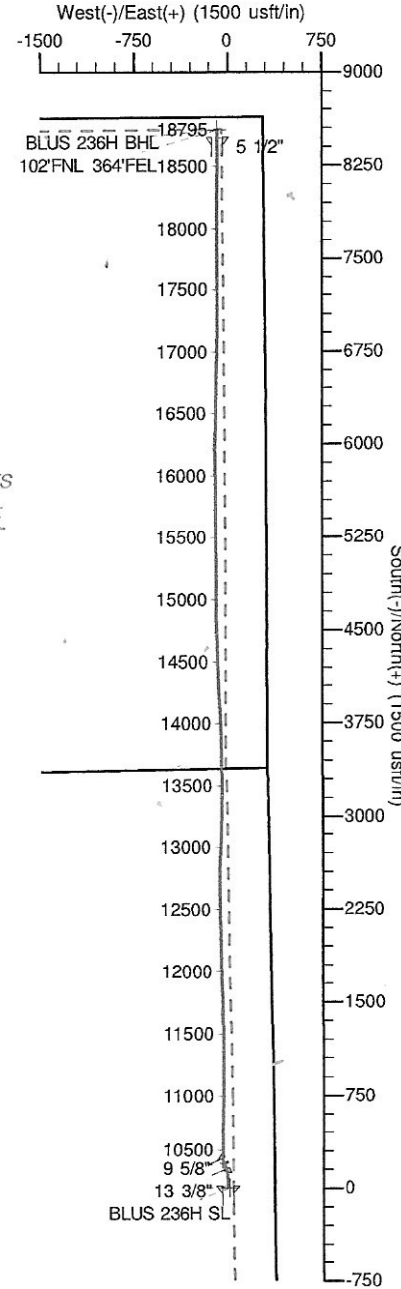
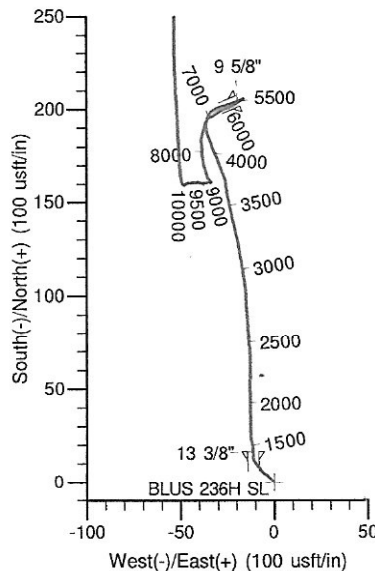
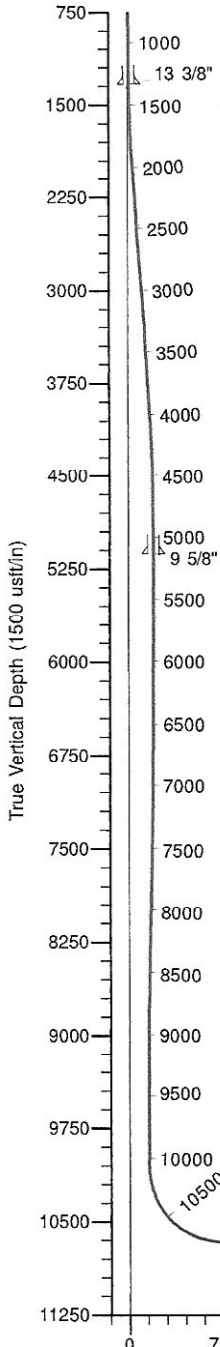
OFFSETS
100'FNL
330' FEL



Azimuths to Grid North
True North: -0.45°
Magnetic North: 6.20°

Magnetic Field
Strength: 47641.3snT
Dip Angle: 59.97°
Date: 03/26/2020
Model: IGRF2020

US State Plane 1983
New Mexico Eastern Zone
32° 14' 40.582 N
103° 29' 4.734 W



Vertical Section at 359.47° (1500 usft/in)

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BLUS 236H SL	0.00	0.00	0.00	453758.04	803723.07	32° 14' 40.582 N	103° 29' 4.734 W
BLUS 236H BHL	10805.38	8533.31	-82.70	462291.25	803640.37	32° 16' 5.024 N	103° 29' 4.911 W

S5-T24S-R34E SL
1920'FSL 362'FEL
S32-T23S-R34E PBHL
102'FNL 364'FEL