

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
August 1, 2011

Permit 378140

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468		2. OGRID Number 12361
		3. API Number 30-025-53939
4. Property Code 316706	5. Property Name BELL LAKE UNIT SOUTH	6. Well No. 134H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	5	24S	34E	J	1650	S	2003	E	Lea

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	32	23S	34E	B	25	N	2120	E	Lea

**9. Pool Information**

BELL LAKE;BONE SPRING, SOUTH	98264
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3588
16. Multiple N	17. Proposed Depth 17950	18. Formation Bone Spring	19. Contractor	20. Spud Date 1/5/2025
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1350	750	0
Int1	12.25	9.625	45.5	5150	700	0
Prod	8.5	5.5	20	17950	750	0

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	3500	CAMERON
Double Ram	10000	5000	CAMERON
Pipe	10000	5000	CAMERON

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.  Signature: _____ Printed Name:     Electronically filed by Christina Opfer Title: _____ Email Address:   christinaO@kfoc.net Date:                11/18/2024                Phone: 918-491-4468	<b>OIL CONSERVATION DIVISION</b>  Approved By:     Paul F Kautz Title:                Geologist Approved Date:    11/19/2024                Expiration Date: 11/19/2026 Conditions of Approval Attached
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C-102  Submit Electronically Via OCD Permitting	State of New Mexico  Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal
			<input type="checkbox"/> Amended Report
		<input type="checkbox"/> As Drilled	

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 98264	Pool Name Bell Lake; Bone Spring, South
Property Code 316706	Property Name BELL LAKE UNIT SOUTH	Well Number 134H
OGRID No. 12361	Operator Name KAISER-FRANCIS OIL COMPANY	Ground Level Elevation 3588'
Surface Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input checked="" type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
J	5	24-S	34-E	-	1650' S	2003' E	N 32.2438729	W 103.4899525	LEA

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
B	32	23-S	34-E	-	25' N	2120' E	N 32.2682741	W 103.4903787	LEA

Dedicated Acres 479.76	Infill or Defining Well INFILL	Defining Well API 30-025-46625	Overlapping Spacing Unit (Y/N) Y	Consolidated Code
Order Numbers R-14600			Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
J	5	24-S	34-E	-	1650' S	2003' E	N 32.2438729	W 103.4899525	LEA

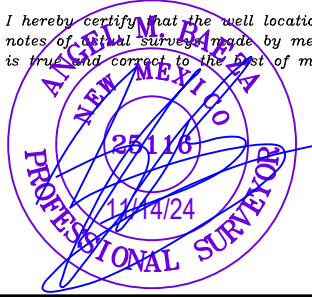
First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
G	5	24-S	34-E	-	2630' N	2120' E	N 32.2466050	W 103.4903379	LEA

Last Take Point (LTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
B	32	23-S	34-E	-	100' N	2120' E	N 32.2680680	W 103.4903784	LEA

Unitized Area or Area of Uniform Intrest UNITIZED	Spacing Unity Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation 3588'
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<b>OPERATOR CERTIFICATION</b>  <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  <i>If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>  Christina Opfer 11/18/2024		<b>SURVEYORS CERTIFICATION</b>  <i>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.</i>    Signature and Seal of Professional Surveyor Date	
Signature Christina Opfer		Date	
Print Name ChristinaO@kfoc.net		E-mail Address	
Certificate Number		Date of Survey 11/04/2024	

<b>C-102</b>  Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department <b>OIL CONSERVATION DIVISION</b>	Revised July 9, 2024	
		Submittal Type:	<input checked="checked" type="checkbox"/> Initial Submittal
			<input type="checkbox"/> Amended Report
Property Name and Well Number		BELL LAKE UNIT SOUTH 134H	

**SURFACE LOCATION (SHL)  
KICK OFF POINT (KOP)**

NEW MEXICO EAST  
**NAD 1983**  
X=802085 Y=453478  
LAT.: N 32.2438729  
LONG.: W 103.4899525  
1650' FSL 2003' FEL

**FIRST TAKE POINT (FTP)**

NEW MEXICO EAST  
**NAD 1983**  
X=801958 Y=454471  
LAT.: N 32.2466050  
LONG.: W 103.4903379  
2630' FNL 2120' FEL

**LAST TAKE POINT (LTP)**

NEW MEXICO EAST  
**NAD 1983**  
X=801884 Y=462279  
LAT.: N 32.2680680  
LONG.: W 103.4903784  
100' FNL 2120' FEL

**BOTTOM HOLE LOCATION (BHL)**

NEW MEXICO EAST  
**NAD 1983**  
X=801884 Y=462354  
LAT.: N 32.2682741  
LONG.: W 103.4903787  
25' FNL 2120' FEL

T-24-S, R-34-E  
SECTION 5  
LOT 1 - 39.86 ACRES  
LOT 2 - 39.90 ACRES  
LOT 3 - 39.94 ACRES  
LOT 4 - 39.98 ACRES

**SURVEYORS 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.

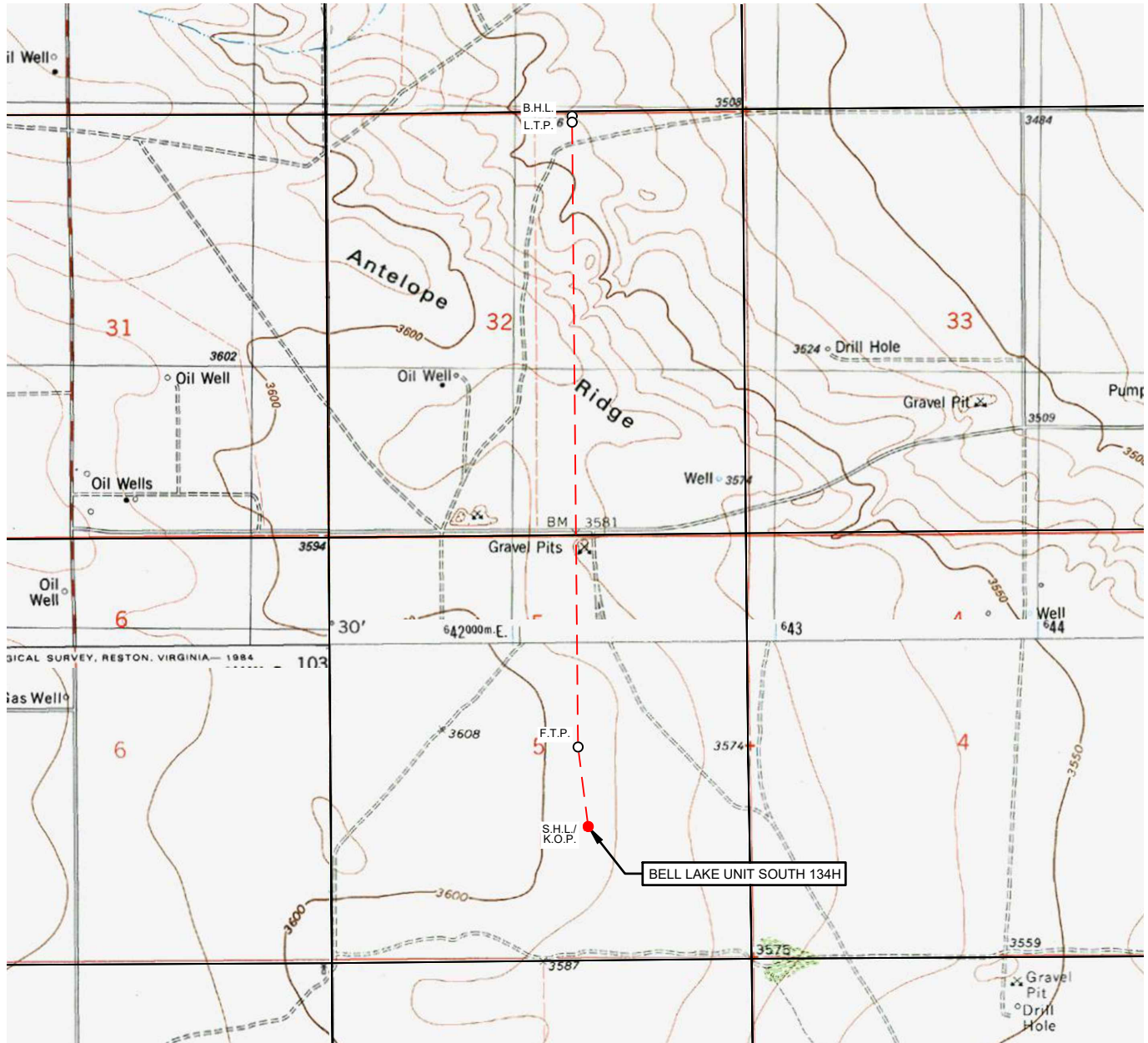
11/04/2024

Date of Survey  
Signature and Seal of Professional Surveyor:

ANGEL M. BAEZA  
NEW MEXICO  
25116  
PROFESSIONAL SURVEYOR  
11/14/24

The figure is a detailed survey plat for a well location. It features a grid system with section numbers (e.g., 30, 29, 31, 32) and lot numbers (LOT 1, LOT 2, LOT 3, LOT 4). Key points are labeled: SHL/KOP at the bottom center, FTP below it, LTP at the top right, and BHL further up. A red dashed line connects these points. Various bearings and distances are provided, such as AZ = 359.46°, 75.0', and 2120'. Coordinates for several points are listed, including X=801369.68, Y=462375.59 for BHL and X=801440.27, Y=454464.06 for FTP. The map also shows a road or boundary line running horizontally across the middle, labeled T-23-S, R-34-E and T-24-S, R-34-E. A box on the right side contains information about Section 5 and its lots. At the bottom right, there is a certification statement signed by Angel M. Baeza, dated 11/04/2024, along with his professional seal.

## LOCATION &amp; ELEVATION VERIFICATION MAP



KAISER-FRANCIS OIL COMPANY

LEASE NAME & WELL NO.: BELL LAKE UNIT SOUTH 134H

SECTION 5 TWP 24-S RGE 34-E SURVEY N.M.P.M.  
 COUNTY LEA STATE NM ELEVATION 3588'  
 DESCRIPTION 1650' FSL & 2003' FEL

LATITUDE N 32.2438729 LONGITUDE W 103.4899525

SCALE: 1" = 2000'  
 0' 1000' 2000'

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY KAISER-FRANCIS OIL COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.

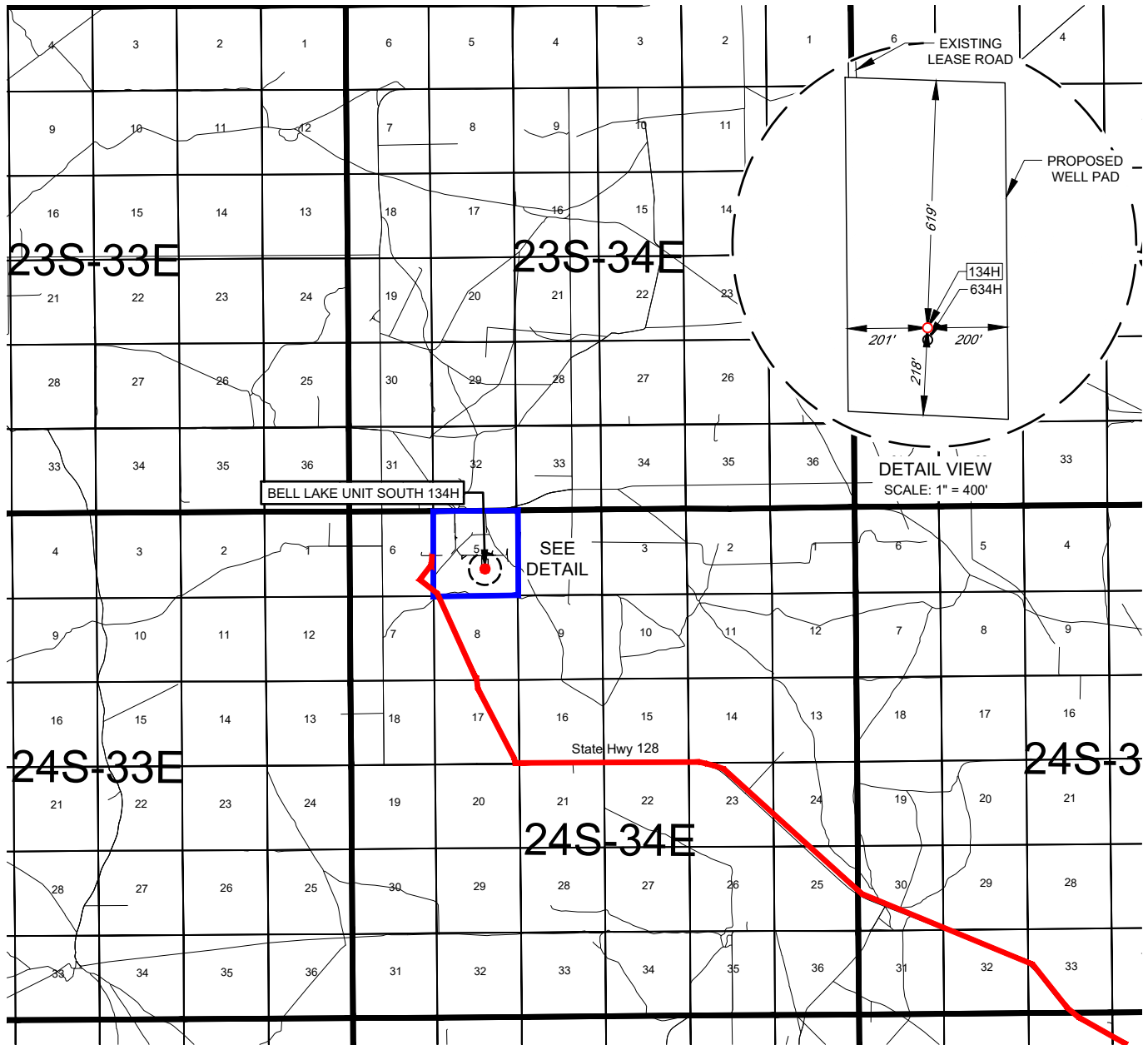


481 WINSOFT ROAD, Ste. 200 • BENBROOK, TEXAS 76126

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2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705

TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
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EXHIBIT 2  
VICINITY MAP

KAISER-FRANCIS OIL COMPANY

LEASE NAME & WELL NO.: BELL LAKE UNIT SOUTH 134HSECTION 5 TWP 24-S RGE 34-E SURVEY N.M.P.M.COUNTY LEA STATE NMDESCRIPTION 1650' FSL & 2003' FEL

## DISTANCE &amp; DIRECTION

FROM INT. OF NM-128 & NM-18. GO WEST ON NM-128 ±19.1 MILES.  
THENCE NORTH (RIGHT) ON A LEASE RD ±2.84 MILES TO A POINT  
±3434 FEET NORTHWEST OF THE LOCATION.



SCALE: 1" = 10000'  
 0' 5000' 10000'

**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY

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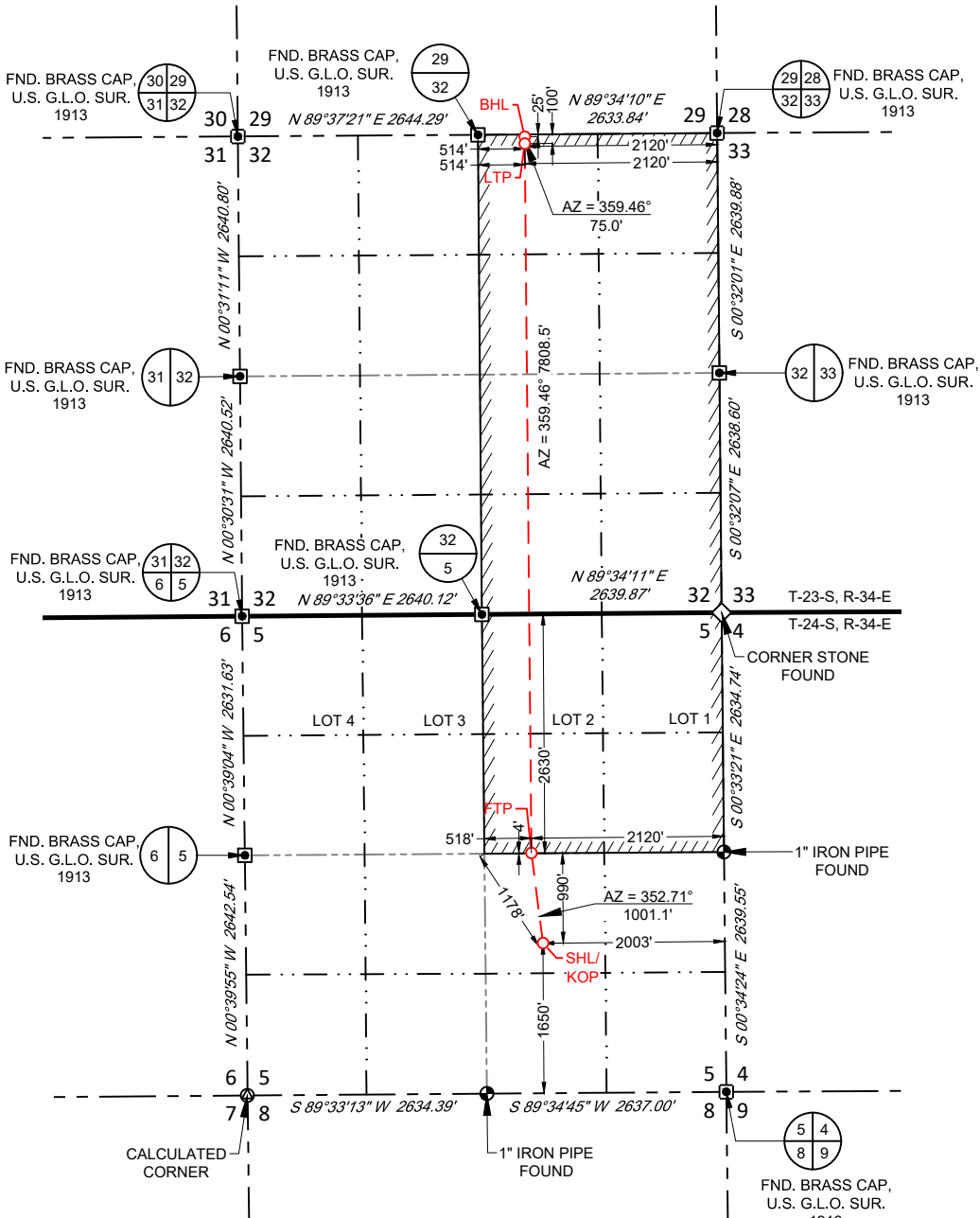
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



KAISER-FRANCIS OIL COMPANY

EXHIBIT 2A

SECTION 5, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



**SURFACE LOCATION (SHL)**

**KICK OFF POINT (KOP)**

NEW MEXICO EAST

**NAD 1983**

X=802085 Y=453478

LAT.: N 32.2438729

LONG.: W 103.4899525

1650' FSL 2003' FEL

**FIRST TAKE POINT (FTP)**

NEW MEXICO EAST

**NAD 1983**

X=801958 Y=454471

LAT.: N 32.2466050

LONG.: W 103.4903379

2630' FNL 2120' FEL

**LAST TAKE POINT (LTP)**

NEW MEXICO EAST

**NAD 1983**

X=801884 Y=462279

LAT.: N 32.2680680

LONG.: W 103.4903784

100' FNL 2120' FEL

**BOTTOM HOLE LOCATION (BHL)**

NEW MEXICO EAST

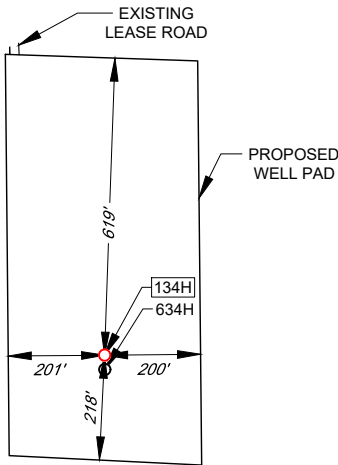
**NAD 1983**

X=801884 Y=462354

LAT.: N 32.2682741

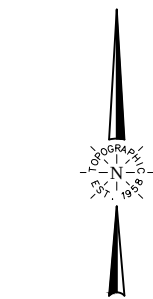
LONG.: W 103.4903787

25' FNL 2120' FEL



**DETAIL VIEW**

SCALE: 1" = 400'



SCALE: 1" = 2000'

0' 1000' 2000'

LEASE NAME & WELL NO.: BELL LAKE UNIT SOUTH 134H

SECTION 5 TWP 24-S RGE 34-E SURVEY N.M.P.M.

COUNTY LEA STATE NM

DESCRIPTION 1650' FSL & 2003' FEL

**DISTANCE & DIRECTION**

FROM INT. OF NM-128 & NM-18. GO WEST ON NM-128 ±19.1 MILES.

THENCE NORTH (RIGHT) ON A LEASE RD ±2.84 MILES TO A POINT ±3434 FEET NORTHWEST OF THE LOCATION.



Angel M. Baeza, P.S. No. 25116

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY KAISER-FRANCIS OIL COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

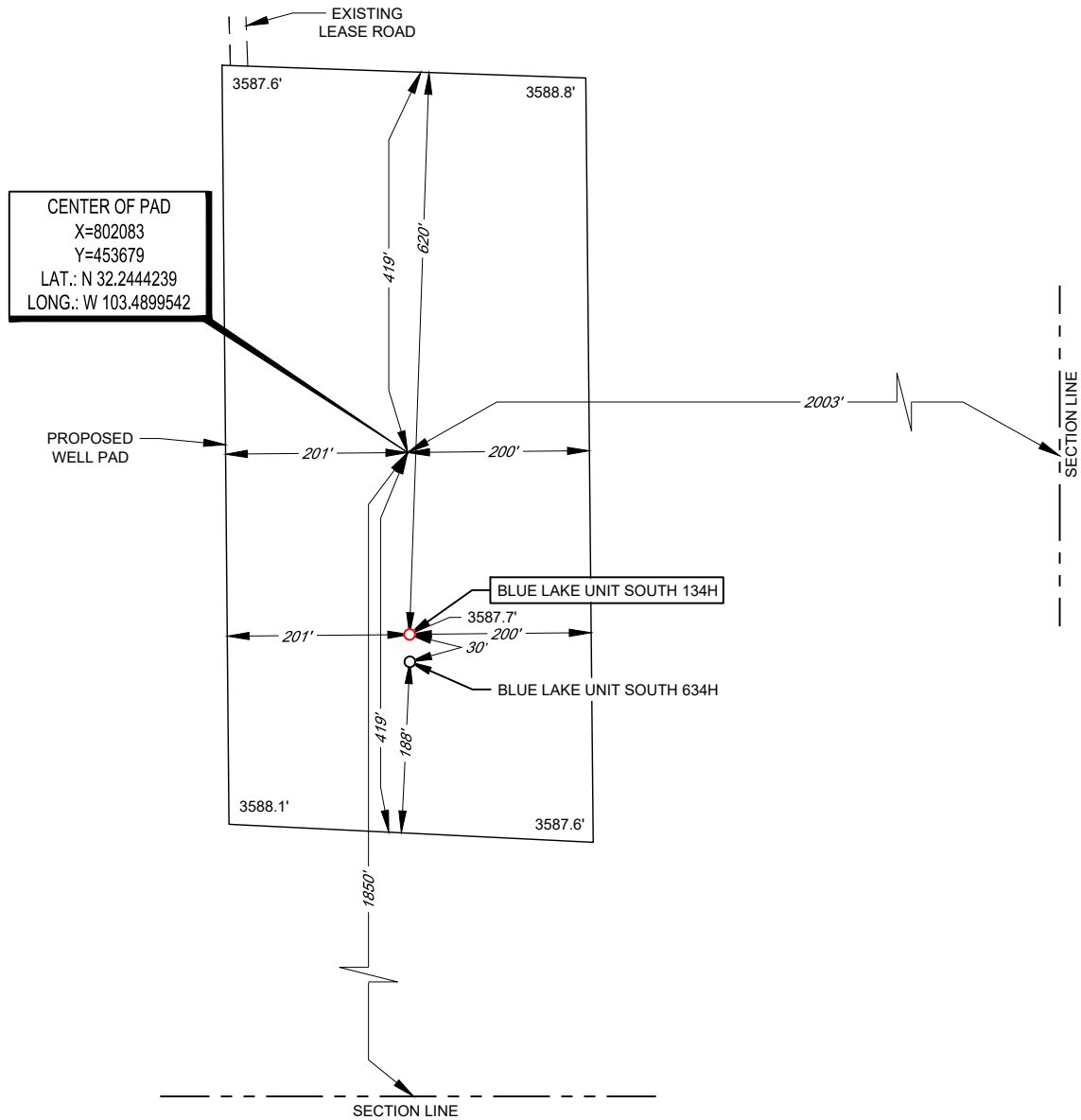


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## KAISER-FRANCIS OIL COMPANY

SECTION 5, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

## LEGEND



Angel M. Baeza, P.S. No. 25116

LEASE NAME & WELL NO.: BELL LAKE UNIT SOUTH 134H  
 134H LATITUDE N 32.2438729 134H LONGITUDE W 103.4899525

CENTER OF PAD IS 1850' FSL &amp; 2003' FEL

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

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SCALE: 1" = 200'

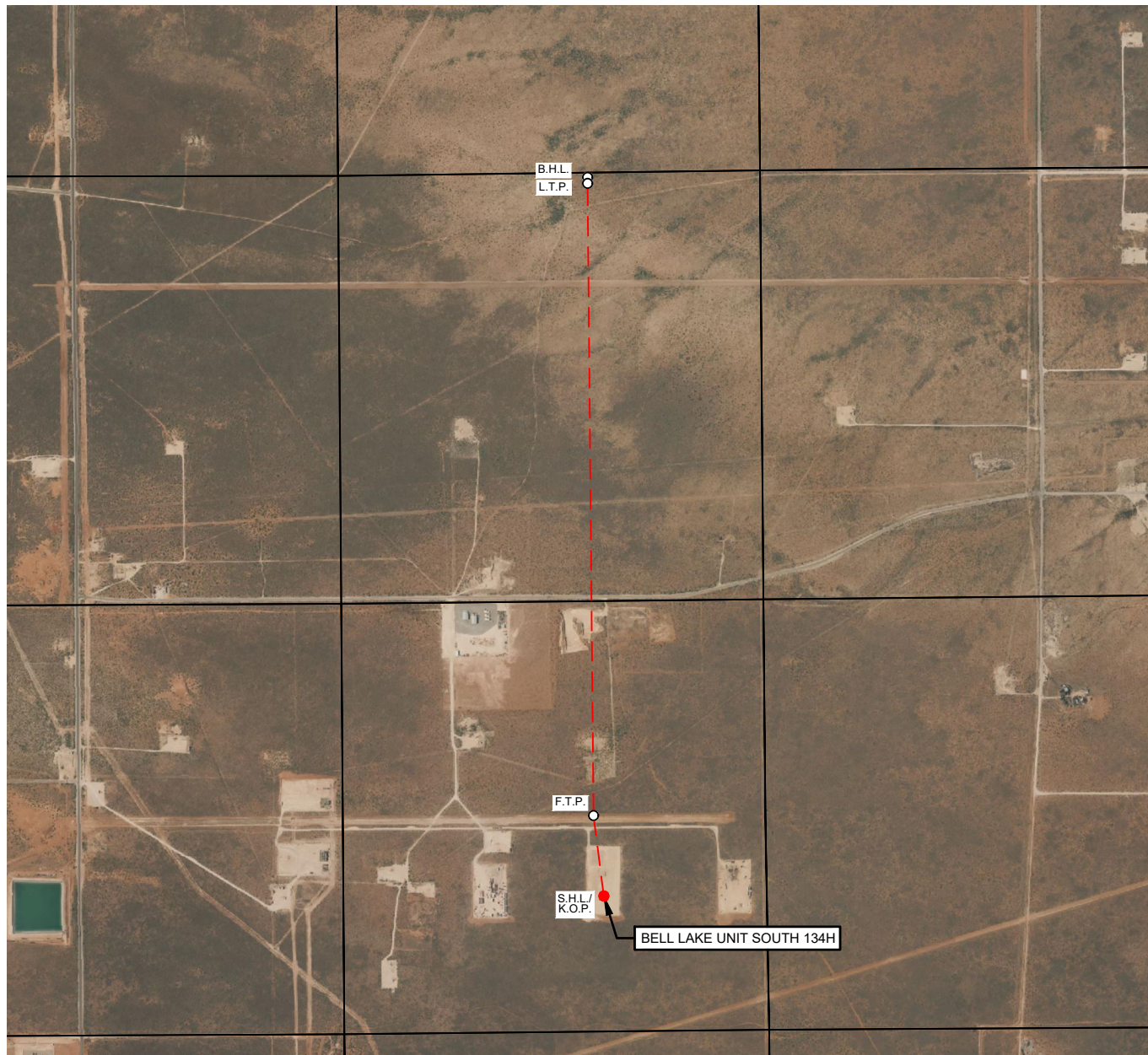
0' 100' 200'



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 WWW.TOPOGRAPHIC.COM

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

## AERIAL PHOTO



KAISER-FRANCIS OIL COMPANY

LEASE NAME & WELL NO.: BELL LAKE UNIT SOUTH 134H

SECTION 5 TWP 24-S RGE 34-E SURVEY N.M.P.M.  
 COUNTY LEA STATE NM ELEVATION 3588'  
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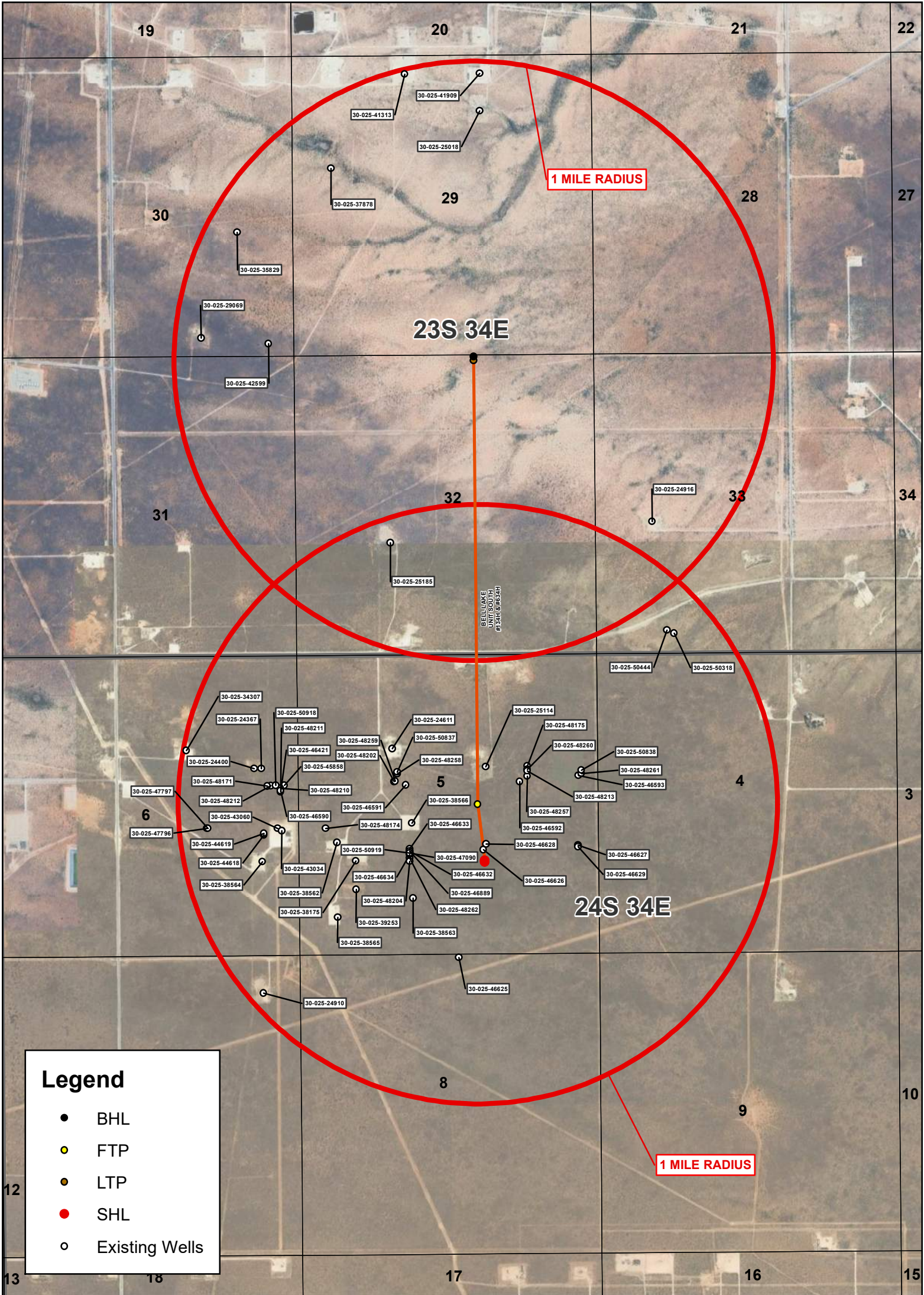
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SBL PAD 15  
KAISER-FRANCIS OIL COMPANY  
SECTION 5, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



THE EASEMENT SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY KAISER-FRANCIS OIL COMPANY. THIS CERTIFICATION IS MADE AND NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



Sante Fe Main Office  
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General Information  
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Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

Form APD Conditions  
Permit 378140

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: KAISER-FRANCIS OIL CO [12361] PO Box 21468 Tulsa, OK 741211468	API Number: 30-025-53939
	Well: BELL LAKE UNIT SOUTH #134H

OCD Reviewer	Condition
pkautz	File As Drilled C-102 and a directional Survey with C-104 completion packet.
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing.
pkautz	Notify the OCD 24 hours prior to casing & cement.
pkautz	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
pkautz	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.



## **KAISER FRANCIS OIL CO.**

**LEA COUNTY, N.M.**

**SEC 5-T24S-R34E**

**Bell Lake Unit South #134H**

**Wellbore #1**

**Plan: Plan 2**

## **Standard Planning Report**

**18 November, 2024**

Kaiser-Francis Oil Company





## Planning Report

Kaiser-Francis Oil Company

<b>Database:</b>	1 - EDM Production	<b>Local Co-ordinate Reference:</b>	Well Bell Lake Unit South #134H
<b>Company:</b>	KAISER FRANCIS OIL CO.	<b>TVD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Project:</b>	LEA COUNTY, N.M.	<b>MD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Site:</b>	SEC 5-T24S-R34E	<b>North Reference:</b>	Grid
<b>Well:</b>	Bell Lake Unit South #134H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 2		

<b>Project</b>	LEA COUNTY, N.M.		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	SEC 5-T24S-R34E		
<b>Site Position:</b>		<b>Northing:</b>	454,976.37 usft
<b>From:</b>	Map	<b>Easting:</b>	803,730.65 usft
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	32.24795476
		<b>Longitude:</b>	-103.48459260

Well	Bell Lake Unit South #134H					
Well Position	+N/-S	0.00 usft	Northing:	453,478.00 usft	Latitude:	32.24387199
	+E/-W	0.00 usft	Easting:	802,085.00 usft	Longitude:	-103.48995323
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,588.00 usft
Grid Convergence:		0.45 °				

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	BGGM CURRENT	10/22/2024	6.22	59.81	47,318.40000000

<b>Design</b>	Plan 2				
<b>Audit Notes:</b>					
<b>Version:</b>		<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	0.00	

<b>Plan Survey Tool Program</b>	<b>Date</b>	11/18/2024			
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.00	18,023.49	Plan 2 (Wellbore #1)	MWD+HRGM	
				OWSG MWD + HRGM	





## Planning Report

Kaiser-Francis Oil Company

<b>Database:</b>	1 - EDM Production	<b>Local Co-ordinate Reference:</b>	Well Bell Lake Unit South #134H
<b>Company:</b>	KAISER FRANCIS OIL CO.	<b>TVD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Project:</b>	LEA COUNTY, N.M.	<b>MD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Site:</b>	SEC 5-T24S-R34E	<b>North Reference:</b>	Grid
<b>Well:</b>	Bell Lake Unit South #134H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 2		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,830.23	12.60	351.95	5,825.16	68.36	-9.67	2.00	2.00	0.00	351.95	
7,930.53	12.60	351.95	7,874.84	522.18	-73.88	0.00	0.00	0.00	0.00	
8,560.76	0.00	0.00	8,500.00	590.54	-83.55	2.00	-2.00	0.00	180.00	Plan @ 8500.00 (Bell
9,501.50	0.00	0.00	9,440.74	590.54	-83.55	0.00	0.00	0.00	0.00	
10,144.36	90.00	355.00	9,850.00	998.24	-119.22	14.00	14.00	0.00	355.00	
10,367.54	90.00	359.46	9,850.00	1,221.10	-129.99	2.00	0.00	2.00	90.00	
17,948.49	90.00	359.46	9,850.00	8,801.72	-200.97	0.00	0.00	0.00	0.00	BLUS 134 LTP (100' f
18,023.49	90.00	359.46	9,850.00	8,876.72	-201.67	0.00	0.00	0.00	0.00	



## Planning Report

Kaiser-Francis Oil Company

<b>Database:</b>	1 - EDM Production	<b>Local Co-ordinate Reference:</b>	Well Bell Lake Unit South #134H
<b>Company:</b>	KAISER FRANCIS OIL CO.	<b>TVD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Project:</b>	LEA COUNTY, N.M.	<b>MD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Site:</b>	SEC 5-T24S-R34E	<b>North Reference:</b>	Grid
<b>Well:</b>	Bell Lake Unit South #134H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 2		

Planned 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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									



## Planning Report

Kaiser-Francis Oil Company

<b>Database:</b>	1 - EDM Production	<b>Local Co-ordinate Reference:</b>	Well Bell Lake Unit South #134H
<b>Company:</b>	KAISER FRANCIS OIL CO.	<b>TVD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Project:</b>	LEA COUNTY, N.M.	<b>MD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Site:</b>	SEC 5-T24S-R34E	<b>North Reference:</b>	Grid
<b>Well:</b>	Bell Lake Unit South #134H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 2		

Planned 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)
5,300.00	2.00	351.95	5,299.98	1.73	-0.24	1.73	2.00	2.00	0.00
5,400.00	4.00	351.95	5,399.84	6.91	-0.98	6.91	2.00	2.00	0.00
5,500.00	6.00	351.95	5,499.45	15.54	-2.20	15.54	2.00	2.00	0.00
5,600.00	8.00	351.95	5,598.70	27.61	-3.91	27.61	2.00	2.00	0.00
5,700.00	10.00	351.95	5,697.47	43.09	-6.10	43.09	2.00	2.00	0.00
5,800.00	12.00	351.95	5,795.62	61.99	-8.77	61.99	2.00	2.00	0.00
5,830.23	12.60	351.95	5,825.16	68.36	-9.67	68.36	2.00	2.00	0.00
Start 2100.29 hold at 5830.23 MD									
5,900.00	12.60	351.95	5,893.25	83.44	-11.80	83.44	0.00	0.00	0.00
6,000.00	12.60	351.95	5,990.84	105.05	-14.86	105.05	0.00	0.00	0.00
6,100.00	12.60	351.95	6,088.43	126.65	-17.92	126.65	0.00	0.00	0.00
6,200.00	12.60	351.95	6,186.02	148.26	-20.98	148.26	0.00	0.00	0.00
6,300.00	12.60	351.95	6,283.61	169.87	-24.03	169.87	0.00	0.00	0.00
6,400.00	12.60	351.95	6,381.20	191.47	-27.09	191.47	0.00	0.00	0.00
6,500.00	12.60	351.95	6,478.79	213.08	-30.15	213.08	0.00	0.00	0.00
6,600.00	12.60	351.95	6,576.38	234.69	-33.20	234.69	0.00	0.00	0.00
6,700.00	12.60	351.95	6,673.97	256.29	-36.26	256.29	0.00	0.00	0.00
6,800.00	12.60	351.95	6,771.56	277.90	-39.32	277.90	0.00	0.00	0.00
6,900.00	12.60	351.95	6,869.15	299.51	-42.37	299.51	0.00	0.00	0.00
7,000.00	12.60	351.95	6,966.74	321.12	-45.43	321.12	0.00	0.00	0.00
7,100.00	12.60	351.95	7,064.33	342.72	-48.49	342.72	0.00	0.00	0.00
7,200.00	12.60	351.95	7,161.92	364.33	-51.55	364.33	0.00	0.00	0.00
7,300.00	12.60	351.95	7,259.51	385.94	-54.60	385.94	0.00	0.00	0.00
7,400.00	12.60	351.95	7,357.10	407.54	-57.66	407.54	0.00	0.00	0.00
7,500.00	12.60	351.95	7,454.69	429.15	-60.72	429.15	0.00	0.00	0.00
7,600.00	12.60	351.95	7,552.28	450.76	-63.77	450.76	0.00	0.00	0.00
7,700.00	12.60	351.95	7,649.87	472.37	-66.83	472.37	0.00	0.00	0.00
7,800.00	12.60	351.95	7,747.46	493.97	-69.89	493.97	0.00	0.00	0.00
7,900.00	12.60	351.95	7,845.05	515.58	-72.94	515.58	0.00	0.00	0.00
7,930.53	12.60	351.95	7,874.84	522.18	-73.88	522.18	0.00	0.00	0.00
Start Drop -2.00									
8,000.00	11.22	351.95	7,942.81	536.37	-75.89	536.37	2.00	-2.00	0.00
8,100.00	9.22	351.95	8,041.22	553.93	-78.37	553.93	2.00	-2.00	0.00
8,200.00	7.22	351.95	8,140.19	568.08	-80.37	568.08	2.00	-2.00	0.00
8,300.00	5.22	351.95	8,239.60	578.80	-81.89	578.80	2.00	-2.00	0.00
8,400.00	3.22	351.95	8,339.32	586.07	-82.92	586.07	2.00	-2.00	0.00
8,500.00	1.22	351.95	8,439.24	589.90	-83.46	589.90	2.00	-2.00	0.00
8,560.76	0.00	0.00	8,500.00	590.54	-83.55	590.54	2.00	-2.00	0.00
Start 940.74 hold at 8560.76 MD									
8,600.00	0.00	0.00	8,539.24	590.54	-83.55	590.54	0.00	0.00	0.00
8,700.00	0.00	0.00	8,639.24	590.54	-83.55	590.54	0.00	0.00	0.00
8,800.00	0.00	0.00	8,739.24	590.54	-83.55	590.54	0.00	0.00	0.00
8,900.00	0.00	0.00	8,839.24	590.54	-83.55	590.54	0.00	0.00	0.00
9,000.00	0.00	0.00	8,939.24	590.54	-83.55	590.54	0.00	0.00	0.00
9,100.00	0.00	0.00	9,039.24	590.54	-83.55	590.54	0.00	0.00	0.00
9,200.00	0.00	0.00	9,139.24	590.54	-83.55	590.54	0.00	0.00	0.00
9,300.00	0.00	0.00	9,239.24	590.54	-83.55	590.54	0.00	0.00	0.00
9,400.00	0.00	0.00	9,339.24	590.54	-83.55	590.54	0.00	0.00	0.00
9,501.50	0.00	0.00	9,440.74	590.54	-83.55	590.54	0.00	0.00	0.00
Start Build 14.00									
9,525.00	3.29	355.00	9,464.23	591.21	-83.61	591.21	14.00	14.00	0.00
9,550.00	6.79	355.00	9,489.12	593.40	-83.80	593.40	14.00	14.00	0.00
9,575.00	10.29	355.00	9,513.84	597.10	-84.12	597.10	14.00	14.00	0.00



## Planning Report

Kaiser-Francis Oil Company

<b>Database:</b>	1 - EDM Production	<b>Local Co-ordinate Reference:</b>	Well Bell Lake Unit South #134H
<b>Company:</b>	KAISER FRANCIS OIL CO.	<b>TVD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Project:</b>	LEA COUNTY, N.M.	<b>MD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Site:</b>	SEC 5-T24S-R34E	<b>North Reference:</b>	Grid
<b>Well:</b>	Bell Lake Unit South #134H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 2		

Planned 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)
9,600.00	13.79	355.00	9,538.29	602.29	-84.58	602.29	14.00	14.00	0.00
9,625.00	17.29	355.00	9,562.37	608.96	-85.16	608.96	14.00	14.00	0.00
9,650.00	20.79	355.00	9,586.00	617.09	-85.87	617.09	14.00	14.00	0.00
9,675.00	24.29	355.00	9,609.09	626.63	-86.71	626.63	14.00	14.00	0.00
9,700.00	27.79	355.00	9,631.55	637.56	-87.66	637.56	14.00	14.00	0.00
9,725.00	31.29	355.00	9,653.29	649.84	-88.74	649.84	14.00	14.00	0.00
9,750.00	34.79	355.00	9,674.25	663.42	-89.93	663.42	14.00	14.00	0.00
9,775.00	38.29	355.00	9,694.33	678.24	-91.22	678.24	14.00	14.00	0.00
9,800.00	41.79	355.00	9,713.47	694.26	-92.62	694.26	14.00	14.00	0.00
9,825.00	45.29	355.00	9,731.59	711.41	-94.13	711.41	14.00	14.00	0.00
9,850.00	48.79	355.00	9,748.62	729.64	-95.72	729.64	14.00	14.00	0.00
9,875.00	52.29	355.00	9,764.51	748.86	-97.40	748.86	14.00	14.00	0.00
9,900.00	55.79	355.00	9,779.19	769.02	-99.16	769.02	14.00	14.00	0.00
9,925.00	59.29	355.00	9,792.60	790.03	-101.00	790.03	14.00	14.00	0.00
9,950.00	62.79	355.00	9,804.71	811.82	-102.91	811.82	14.00	14.00	0.00
9,975.00	66.29	355.00	9,815.45	834.30	-104.88	834.30	14.00	14.00	0.00
10,000.00	69.79	355.00	9,824.80	857.39	-106.90	857.39	14.00	14.00	0.00
10,025.00	73.29	355.00	9,832.71	881.01	-108.96	881.01	14.00	14.00	0.00
10,050.00	76.79	355.00	9,839.17	905.07	-111.07	905.07	14.00	14.00	0.00
10,075.00	80.29	355.00	9,844.13	929.47	-113.20	929.47	14.00	14.00	0.00
10,100.00	83.79	355.00	9,847.59	954.13	-115.36	954.13	14.00	14.00	0.00
10,125.00	87.29	355.00	9,849.54	978.96	-117.53	978.96	14.00	14.00	0.00
10,144.36	90.00	355.00	9,850.00	998.24	-119.22	998.24	14.00	14.00	0.00
Start DLS 2.00 TFO 90.00									
10,200.00	90.00	356.11	9,850.00	1,053.71	-123.53	1,053.71	2.00	0.00	2.00
10,300.00	90.00	358.11	9,850.00	1,153.58	-128.57	1,153.58	2.00	0.00	2.00
10,367.54	90.00	359.46	9,850.00	1,221.10	-129.99	1,221.10	2.00	0.00	2.00
Start 7580.95 hold at 10367.54 MD									
10,400.00	90.00	359.46	9,850.00	1,253.56	-130.30	1,253.56	0.00	0.00	0.00
10,500.00	90.00	359.46	9,850.00	1,353.56	-131.23	1,353.56	0.00	0.00	0.00
10,600.00	90.00	359.46	9,850.00	1,453.55	-132.17	1,453.55	0.00	0.00	0.00
10,700.00	90.00	359.46	9,850.00	1,553.55	-133.11	1,553.55	0.00	0.00	0.00
10,800.00	90.00	359.46	9,850.00	1,653.54	-134.04	1,653.54	0.00	0.00	0.00
10,900.00	90.00	359.46	9,850.00	1,753.54	-134.98	1,753.54	0.00	0.00	0.00
11,000.00	90.00	359.46	9,850.00	1,853.53	-135.92	1,853.53	0.00	0.00	0.00
11,100.00	90.00	359.46	9,850.00	1,953.53	-136.85	1,953.53	0.00	0.00	0.00
11,200.00	90.00	359.46	9,850.00	2,053.53	-137.79	2,053.53	0.00	0.00	0.00
11,300.00	90.00	359.46	9,850.00	2,153.52	-138.72	2,153.52	0.00	0.00	0.00
11,400.00	90.00	359.46	9,850.00	2,253.52	-139.66	2,253.52	0.00	0.00	0.00
11,500.00	90.00	359.46	9,850.00	2,353.51	-140.60	2,353.51	0.00	0.00	0.00
11,600.00	90.00	359.46	9,850.00	2,453.51	-141.53	2,453.51	0.00	0.00	0.00
11,700.00	90.00	359.46	9,850.00	2,553.50	-142.47	2,553.50	0.00	0.00	0.00
11,800.00	90.00	359.46	9,850.00	2,653.50	-143.41	2,653.50	0.00	0.00	0.00
11,900.00	90.00	359.46	9,850.00	2,753.50	-144.34	2,753.50	0.00	0.00	0.00
12,000.00	90.00	359.46	9,850.00	2,853.49	-145.28	2,853.49	0.00	0.00	0.00
12,100.00	90.00	359.46	9,850.00	2,953.49	-146.21	2,953.49	0.00	0.00	0.00
12,200.00	90.00	359.46	9,850.00	3,053.48	-147.15	3,053.48	0.00	0.00	0.00
12,300.00	90.00	359.46	9,850.00	3,153.48	-148.09	3,153.48	0.00	0.00	0.00
12,400.00	90.00	359.46	9,850.00	3,253.47	-149.02	3,253.47	0.00	0.00	0.00
12,500.00	90.00	359.46	9,850.00	3,353.47	-149.96	3,353.47	0.00	0.00	0.00
12,600.00	90.00	359.46	9,850.00	3,453.46	-150.90	3,453.46	0.00	0.00	0.00
12,700.00	90.00	359.46	9,850.00	3,553.46	-151.83	3,553.46	0.00	0.00	0.00
12,800.00	90.00	359.46	9,850.00	3,653.46	-152.77	3,653.46	0.00	0.00	0.00
12,900.00	90.00	359.46	9,850.00	3,753.45	-153.70	3,753.45	0.00	0.00	0.00





## Planning Report

Kaiser-Francis Oil Company

<b>Database:</b>	1 - EDM Production	<b>Local Co-ordinate Reference:</b>	Well Bell Lake Unit South #134H
<b>Company:</b>	KAISER FRANCIS OIL CO.	<b>TVD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Project:</b>	LEA COUNTY, N.M.	<b>MD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Site:</b>	SEC 5-T24S-R34E	<b>North Reference:</b>	Grid
<b>Well:</b>	Bell Lake Unit South #134H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 2		

Planned 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)	
13,000.00	90.00	359.46	9,850.00	3,853.45	-154.64	3,853.45	0.00	0.00	0.00	
13,100.00	90.00	359.46	9,850.00	3,953.44	-155.58	3,953.44	0.00	0.00	0.00	
13,200.00	90.00	359.46	9,850.00	4,053.44	-156.51	4,053.44	0.00	0.00	0.00	
13,300.00	90.00	359.46	9,850.00	4,153.43	-157.45	4,153.43	0.00	0.00	0.00	
13,400.00	90.00	359.46	9,850.00	4,253.43	-158.39	4,253.43	0.00	0.00	0.00	
13,500.00	90.00	359.46	9,850.00	4,353.43	-159.32	4,353.43	0.00	0.00	0.00	
13,600.00	90.00	359.46	9,850.00	4,453.42	-160.26	4,453.42	0.00	0.00	0.00	
13,700.00	90.00	359.46	9,850.00	4,553.42	-161.19	4,553.42	0.00	0.00	0.00	
13,800.00	90.00	359.46	9,850.00	4,653.41	-162.13	4,653.41	0.00	0.00	0.00	
13,900.00	90.00	359.46	9,850.00	4,753.41	-163.07	4,753.41	0.00	0.00	0.00	
14,000.00	90.00	359.46	9,850.00	4,853.40	-164.00	4,853.40	0.00	0.00	0.00	
14,100.00	90.00	359.46	9,850.00	4,953.40	-164.94	4,953.40	0.00	0.00	0.00	
14,200.00	90.00	359.46	9,850.00	5,053.39	-165.88	5,053.39	0.00	0.00	0.00	
14,300.00	90.00	359.46	9,850.00	5,153.39	-166.81	5,153.39	0.00	0.00	0.00	
14,400.00	90.00	359.46	9,850.00	5,253.39	-167.75	5,253.39	0.00	0.00	0.00	
14,500.00	90.00	359.46	9,850.00	5,353.38	-168.68	5,353.38	0.00	0.00	0.00	
14,600.00	90.00	359.46	9,850.00	5,453.38	-169.62	5,453.38	0.00	0.00	0.00	
14,700.00	90.00	359.46	9,850.00	5,553.37	-170.56	5,553.37	0.00	0.00	0.00	
14,800.00	90.00	359.46	9,850.00	5,653.37	-171.49	5,653.37	0.00	0.00	0.00	
14,900.00	90.00	359.46	9,850.00	5,753.36	-172.43	5,753.36	0.00	0.00	0.00	
15,000.00	90.00	359.46	9,850.00	5,853.36	-173.37	5,853.36	0.00	0.00	0.00	
15,100.00	90.00	359.46	9,850.00	5,953.36	-174.30	5,953.36	0.00	0.00	0.00	
15,200.00	90.00	359.46	9,850.00	6,053.35	-175.24	6,053.35	0.00	0.00	0.00	
15,300.00	90.00	359.46	9,850.00	6,153.35	-176.17	6,153.35	0.00	0.00	0.00	
15,400.00	90.00	359.46	9,850.00	6,253.34	-177.11	6,253.34	0.00	0.00	0.00	
15,500.00	90.00	359.46	9,850.00	6,353.34	-178.05	6,353.34	0.00	0.00	0.00	
15,600.00	90.00	359.46	9,850.00	6,453.33	-178.98	6,453.33	0.00	0.00	0.00	
15,700.00	90.00	359.46	9,850.00	6,553.33	-179.92	6,553.33	0.00	0.00	0.00	
15,800.00	90.00	359.46	9,850.00	6,653.32	-180.86	6,653.32	0.00	0.00	0.00	
15,900.00	90.00	359.46	9,850.00	6,753.32	-181.79	6,753.32	0.00	0.00	0.00	
16,000.00	90.00	359.46	9,850.00	6,853.32	-182.73	6,853.32	0.00	0.00	0.00	
16,100.00	90.00	359.46	9,850.00	6,953.31	-183.66	6,953.31	0.00	0.00	0.00	
16,200.00	90.00	359.46	9,850.00	7,053.31	-184.60	7,053.31	0.00	0.00	0.00	
16,300.00	90.00	359.46	9,850.00	7,153.30	-185.54	7,153.30	0.00	0.00	0.00	
16,400.00	90.00	359.46	9,850.00	7,253.30	-186.47	7,253.30	0.00	0.00	0.00	
16,500.00	90.00	359.46	9,850.00	7,353.29	-187.41	7,353.29	0.00	0.00	0.00	
16,600.00	90.00	359.46	9,850.00	7,453.29	-188.34	7,453.29	0.00	0.00	0.00	
16,700.00	90.00	359.46	9,850.00	7,553.29	-189.28	7,553.29	0.00	0.00	0.00	
16,800.00	90.00	359.46	9,850.00	7,653.28	-190.22	7,653.28	0.00	0.00	0.00	
16,900.00	90.00	359.46	9,850.00	7,753.28	-191.15	7,753.28	0.00	0.00	0.00	
17,000.00	90.00	359.46	9,850.00	7,853.27	-192.09	7,853.27	0.00	0.00	0.00	
17,100.00	90.00	359.46	9,850.00	7,953.27	-193.03	7,953.27	0.00	0.00	0.00	
17,200.00	90.00	359.46	9,850.00	8,053.26	-193.96	8,053.26	0.00	0.00	0.00	
17,300.00	90.00	359.46	9,850.00	8,153.26	-194.90	8,153.26	0.00	0.00	0.00	
17,400.00	90.00	359.46	9,850.00	8,253.25	-195.83	8,253.25	0.00	0.00	0.00	
17,500.00	90.00	359.46	9,850.00	8,353.25	-196.77	8,353.25	0.00	0.00	0.00	
17,600.00	90.00	359.46	9,850.00	8,453.25	-197.71	8,453.25	0.00	0.00	0.00	
17,700.00	90.00	359.46	9,850.00	8,553.24	-198.64	8,553.24	0.00	0.00	0.00	
17,800.00	90.00	359.46	9,850.00	8,653.24	-199.58	8,653.24	0.00	0.00	0.00	
17,900.00	90.00	359.46	9,850.00	8,753.23	-200.52	8,753.23	0.00	0.00	0.00	
17,948.49	90.00	359.46	9,850.00	8,801.72	-200.97	8,801.72	0.00	0.00	0.00	
Start 75.00 hold at 17948.49 MD										
18,000.00	90.00	359.46	9,850.00	8,853.23	-201.45	8,853.23	0.00	0.00	0.00	



## Planning Report

Kaiser-Francis Oil Company

<b>Database:</b>	1 - EDM Production	<b>Local Co-ordinate Reference:</b>	Well Bell Lake Unit South #134H
<b>Company:</b>	KAISER FRANCIS OIL CO.	<b>TVD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Project:</b>	LEA COUNTY, N.M.	<b>MD Reference:</b>	RKB 30' + 3588 @ 3618.00usft
<b>Site:</b>	SEC 5-T24S-R34E	<b>North Reference:</b>	Grid
<b>Well:</b>	Bell Lake Unit South #134H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 2		

Planned 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)
18,023.49	90.00	359.46	9,850.00	8,876.72	-201.67	8,876.72	0.00	0.00	0.00
TD at 18023.49									

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
Plan @ 8500.00 (Bell La - plan hits target center - Point	0.00	0.00	8,500.00	590.54	-83.55	454,068.54	802,001.45	32.24549695	-103.49020845
BLUS 134 LTP (100' FNI - plan hits target center - Point	0.00	0.00	9,850.00	8,801.72	-200.97	462,279.72	801,884.03	32.26806869	-103.49037967
BLUS 134 FTP (2630' FI - plan misses target center by 8.03usft at 10146.55usft MD (9850.00 TVD, 1000.42 N, -119.41 E) - Point	0.00	0.00	9,850.00	999.79	-127.41	454,477.79	801,957.58	32.24662277	-103.49033993
BLUS 134 PBHL (25' FN - plan misses target center by 0.67usft at 18022.77usft MD (9850.00 TVD, 8875.99 N, -201.67 E) - Point	0.00	0.00	9,850.00	8,876.00	-201.00	462,354.00	801,884.00	32.26827285	-103.49037788

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
17,893.18	9,850.00	20" Casing	20	24	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,200.00	5,200.00	0.00	0.00	Start Build 2.00
5,830.23	5,825.16	68.36	-9.67	Start 2100.29 hold at 5830.23 MD
7,930.53	7,874.84	522.18	-73.88	Start Drop -2.00
8,560.76	8,500.00	590.54	-83.55	Start 940.74 hold at 8560.76 MD
9,501.50	9,440.74	590.54	-83.55	Start Build 14.00
10,144.36	9,850.00	998.24	-119.22	Start DLS 2.00 TFO 90.00
10,367.54	9,850.00	1,221.10	-129.99	Start 7580.95 hold at 10367.54 MD
17,948.49	9,850.00	8,801.72	-200.97	Start 75.00 hold at 17948.49 MD
18,023.49	9,850.00	8,876.72	-201.67	TD at 18023.49

State of New Mexico  
Energy, Minerals and Natural Resources Department

Submit Electronically  
Via E-permitting

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

## NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

### Section 1 – Plan Description

Effective May 25, 2021

**I. Operator:** Kaiser-Francis Oil Company **OGRID:** 12361 **Date:** 11 /18 /2024

**II. Type:** ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: \_\_\_\_\_

**III. Well(s):** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Bell Lake South Pad 15R wells listed on next page.						

**IV. Central Delivery Point Name:** pad site [See 19.15.27.9(D)(1) NMAC]

**V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Bell Lake South Pad 15R anticipated schedule listed on next page.						

**VI. Separation Equipment:** ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

**VII. Operational Practices:** ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

**VIII. Best Management Practices:** ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

## Kaiser-Francis Oil Company Natural Gas Management Plan

### Plan Description

#### VI. Separation Equipment

Separation equipment will be designed for maximum anticipated throughput and pressure to minimize waste.

#### VII. Operational Practices

##### A. VENTING AND FLARING OF NATURAL GAS

Kaiser-Francis Oil Company (KFOC) will maximize the recovery of natural gas by minimizing the waste of natural gas through venting and flaring during drilling, completion, and production operations as outlined in 19.15.27.8 NMAC. KFOC will flare rather than vent natural gas except when flaring is technically infeasible or would pose a safety risk and venting is a safer alternative than flaring. KFOC will ensure well(s) are connected to a natural gas gathering system with sufficient capacity to transport natural gas.

##### B. Venting and flaring during drilling operations

KFOC will combust natural gas brought to the surface during drilling operations. A properly sized flare stack will be located at a minimum of 100 feet from the nearest surface hole location. In case of emergency or malfunction, KFOC will report natural gas volumes, vented or flared.

##### C. Venting and flaring during completion or recompletion operations

During completion operations, KFOC will flare natural gas brought to the surface and commence operation of a separator once technically feasible. Produced natural gas from separation equipment will be sold. If natural gas does not meet gathering pipeline quality specifications, KFOC will flare for no more than 60 days or until the natural gas meets the pipeline quality specifications, whichever is sooner.

##### D. Venting and flaring during production operations

KFOC will not vent or flare natural gas during production, except for provisions defined by 19.15.27.8.D (1) through (4). KFOC will report natural gas volumes, vented or flared, appropriately.

##### E. Performance Standards

KFOC will comply with performance standards outlined in 19.15.27.8.E to minimize waste. Separation equipment will be designed for maximum anticipated throughput and pressure to minimize waste. Any permanent storage tank associated with production operations that is



routed to a flare or control device will be equipped with an automatic gauging system that reduces the venting of natural gas. KFOC will combust natural gas in a flare stack that is properly sized and designed to ensure proper combustion efficiency. Flare stacks will be equipped with an automatic ignitor or continuous pilot. KFOC will conduct an AVO inspection on the frequency specified in Subsection D of 19.15.27.8 NMAC. All emergencies will be resolved as quickly and safely as feasible.

#### **F. Measurement or estimation of vented or flared natural gas**

KFOC will measure or estimate natural gas that is vented, flared, or beneficially used during drilling, completion, and production operations. Equipment will be installed to measure the volume of natural gas flared from existing piping or a flowline piped from equipment such as high-pressure separators, heater treaters, or vapor recovery units associated with a well or facility, authorized by an APD issued after May 25, 2021, that has an average daily production greater than 60,000 cubic feet of natural gas. Measuring equipment will conform to an industry standard. Where measuring is not feasible, volumes will be estimated.

### **VIII. Best Management Practices**

During active and planned maintenance, venting will be limited to the depressurization of the equipment to ensure safe working conditions. For maintenance of production and compression equipment the associated producing wells will be shut-in to eliminate venting. During VRU maintenance, gas normally routed to the VRU will be flared.

## **Section 2 – Enhanced Plan**

### **EFFECTIVE APRIL 1, 2022**

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

#### **IX. Anticipated Natural Gas Production:**

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

#### **X. Natural Gas Gathering System (NGGS):**

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

**XI. Map.** ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

**XII. Line Capacity.** The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

**XIII. Line Pressure.** Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

**XIV. Confidentiality:** ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

### **Section 3 - Certifications**

**Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

***If Operator checks this box, Operator will select one of the following:***

**Well Shut-In.** ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

**Venting and Flaring Plan.** ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

### **Section 4 - Notices**

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	Christina Opfer
Printed Name:	Christina Opfer
Title:	Regulatory Manager
E-mail Address:	ChristinaO@kfoc.net
Date:	11/18/2024
Phone:	918-491-4468
<b>OIL CONSERVATION DIVISION</b> <b>(Only applicable when submitted as a standalone form)</b>	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	