

Submit 1 Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		WELL API NO. 30-025-52898
2. Name of Operator Kaiser-Francis Oil Company		5. Indicate Type of Lease STATE ☐ FEE ☐ FED ☐
3. Address of Operator P.O. Box 21468, Tulsa, OK 74121		6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u>O</u> : <u>362</u> feet from the <u>South</u> line and <u>1671</u> feet from the <u>East</u> line Section <u>8</u> Township <u>24S</u> Range <u>34E</u> NMPM County <u>Lea</u>		7. Lease Name or Unit Agreement Name Bell Lake Unit South
		8. Well Number 117H
		9. OGRID Number 12361
		10. Pool name or Wildcat Bell Lake; Bone Spring, South
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3569' GR		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Kaiser-Francis Oil Company respectfully requests to change the name for well 30-025-52898 and update the SHL. Please see the amended C-102 and Directional Survey.

New Well Name: Bell Lake Unit South 117H

New SHL: 362 FSL 1671 FEL

Approved Permit Well Name: Bell Lake Unit South 718H

Approved Permit SHL: 462 FSL 1791 FEL

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Christina Opfer*
Type or print name Christina Opfer

TITLE Regulatory Manager
E-mail address ChristinaO@kfoc.net DATE 5/17/2024
PHONE 918-491-4468

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

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

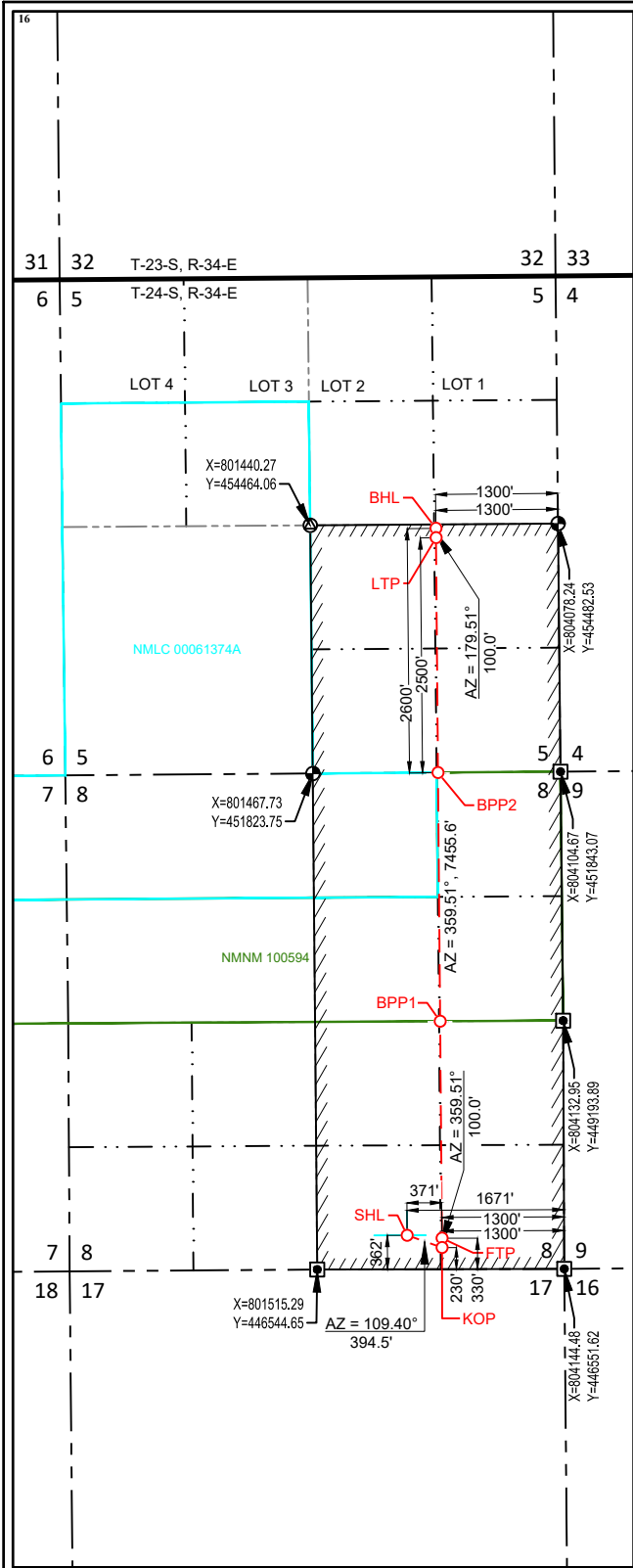
State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 30-025-52898		² Pool Code 98264		³ Pool Name Bell Lake; Bone Spring, South					
⁴ Property Code 316706		⁵ Property Name BELL LAKE UNIT SOUTH						⁶ Well Number 117H	
⁷ OGRID No. 12361		⁸ Operator Name KAISER-FRANCIS OIL COMPANY						⁹ Elevation 3569'	
¹⁰ Surface Location									
UL or lot no. 0	Section 8	Township 24-S	Range 34-E	Lot Idn -	Feet from the 362'	North/South line SOUTH	Feet from the 1671'	East/West line EAST	County LEA
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. I	Section 5	Township 24-S	Range 34-E	Lot Idn -	Feet from the 2600'	North/South line SOUTH	Feet from the 1300'	East/West line EAST	County LEA
¹² Dedicated Acres 480.00		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R-14600			

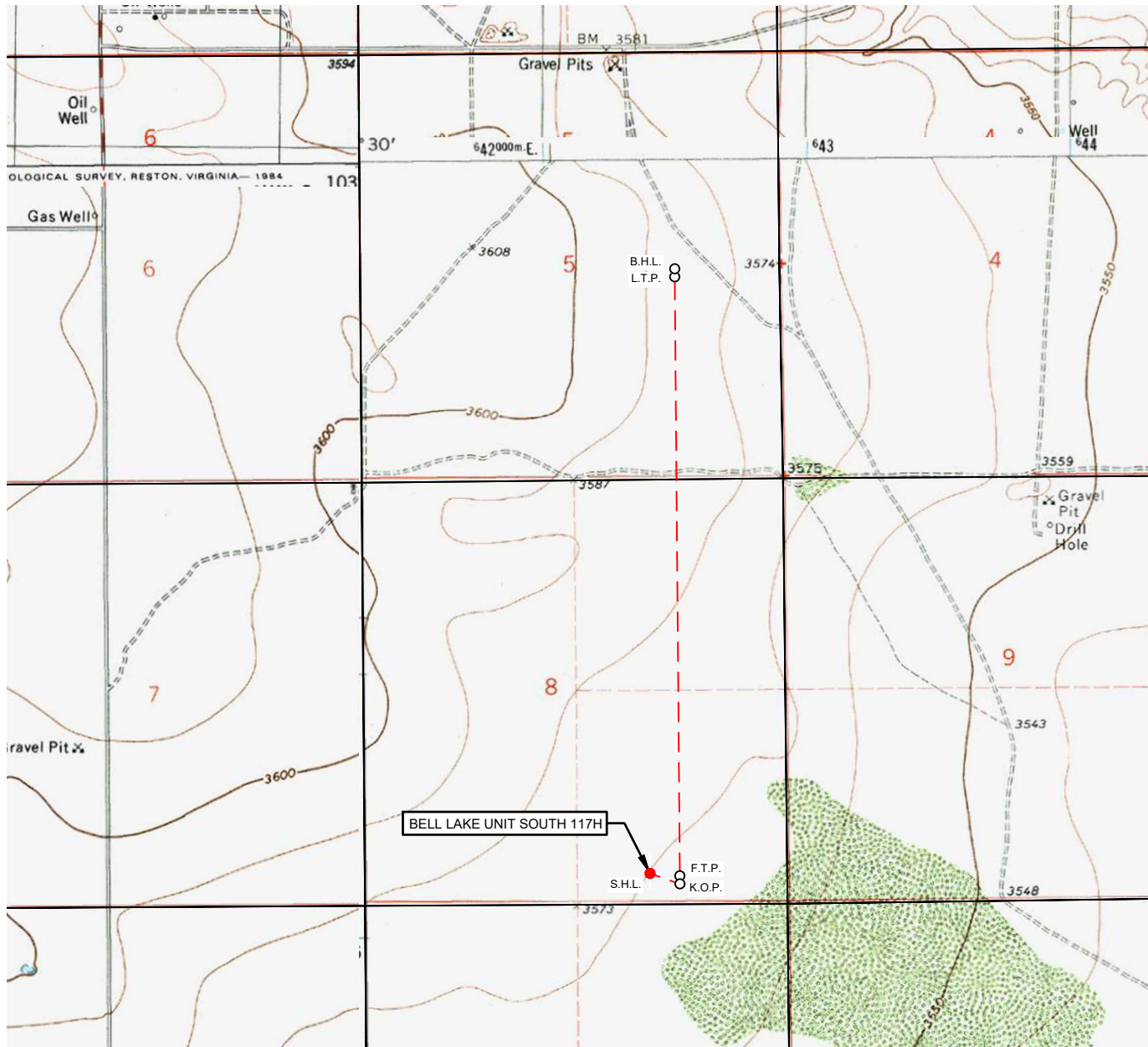
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



NEW MEXICO EAST NAD 1983
<u>SURFACE LOCATION (SHL)</u> 362' FSL - SEC. 8 1671' FEL - SEC. 8 X=802472 Y=446909 LAT.: N 32.2258086 LONG.: W 103.4888692 <u>KICK OFF POINT (KOP)</u> 230' FSL - SEC. 8 1300' FEL - SEC. 8 X=802844 Y=446778 LAT.: N 32.225440 LONG.: W 103.487669 <u>FIRST TAKE POINT (FTP)</u> 330' FSL - SEC. 8 1300' FEL - SEC. 8 X=802843 Y=446878 LAT.: N 32.225715 LONG.: W 103.487670 <u>BLM PERFORATION POINT (BPP1)</u> 2639' FSL - SEC. 8 1310' FEL - SEC. 8 X=802823 Y=449187 LAT.: N 32.2320617 LONG.: W 103.4876744 <u>BLM PERFORATION POINT (BPP2)</u> 0' FSL - SEC. 5 1304' FEL - SEC. 5 X=802801 Y=451834 LAT.: N 32.2393366 LONG.: W 103.4876800 <u>LAST TAKE POINT (LTP)</u> 2500' FSL - SEC. 5 1300' FEL - SEC. 5 X=802780 Y=454333 LAT.: N 32.246208 LONG.: W 103.487685 <u>BOTTOM HOLE LOCATION (BHL)</u> 2600' FSL - SEC. 5 1300' FEL - SEC. 5 X=802779 Y=454433 LAT.: N 32.246483 LONG.: W 103.487685

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	5/17/2024
Signature	Date
Christina Opfer	
Printed Name	
ChristinaO@kfoc.net	
E-mail Address	
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 to the best of my belief.	
09/05/2023	
Date of Survey	
Signature and Seal of Professional Surveyor	
Stan W. Lloyd	
Certificate Number	

LOCATION & ELEVATION VERIFICATION MAP



KAISER-FRANCIS OIL COMPANY

LEASE NAME & WELL NO.: BELL LAKE UNIT SOUTH 117HSECTION 8 TWP 24-S RGE 34-E SURVEY N.M.P.M.COUNTY LEA STATE NM ELEVATION 3569'DESCRIPTION 362' FSL & 1671' FELLATITUDE N 32.2258086 LONGITUDE W 103.4888692

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.

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

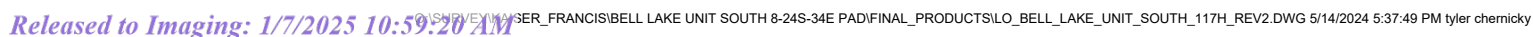
481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126

TELEPHONE: (817) 744-7512 • FAX (817) 744-7554

2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705

TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743

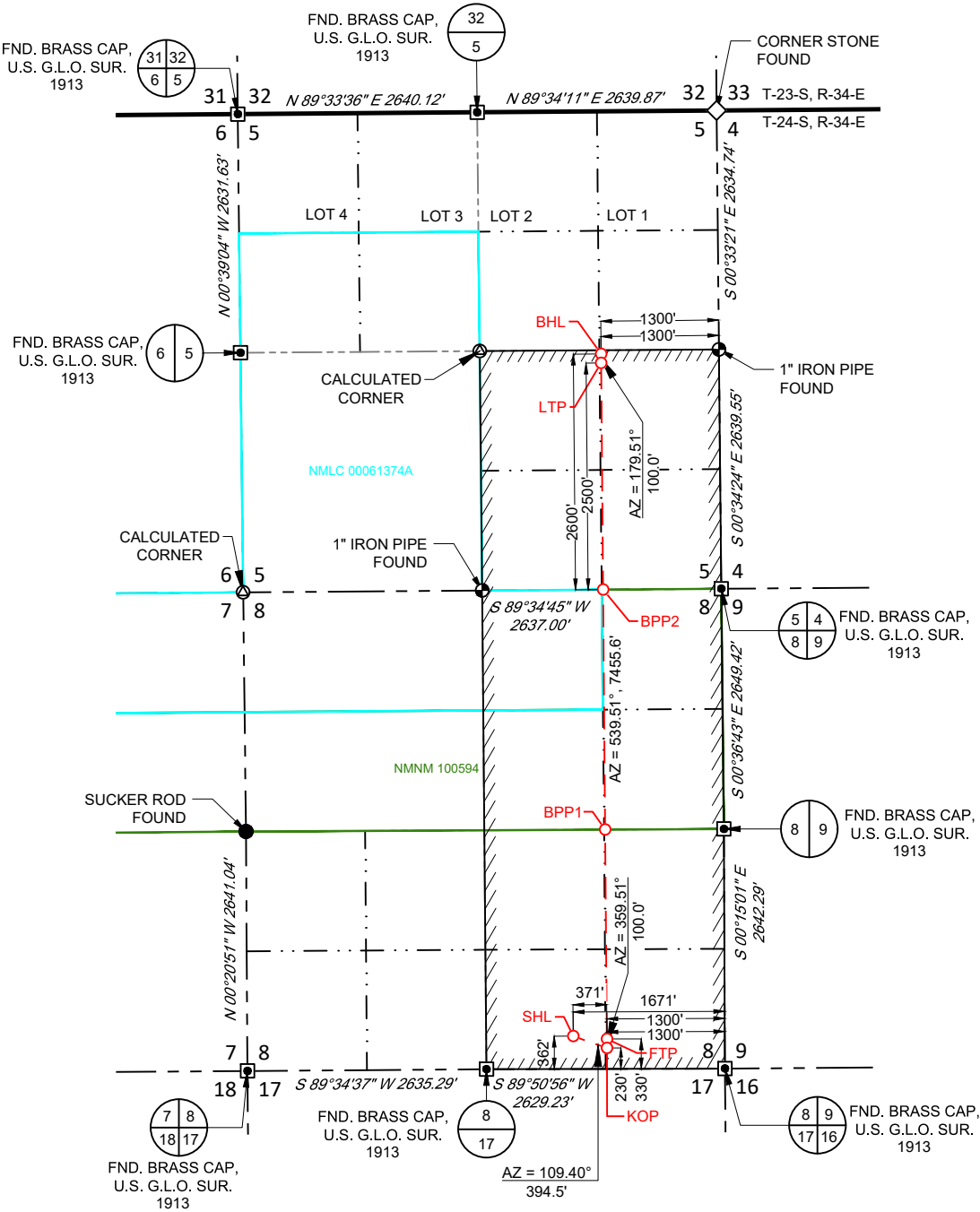
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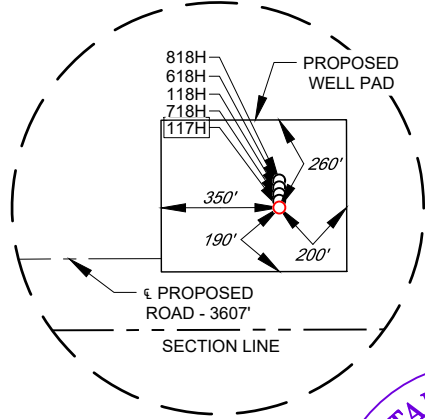
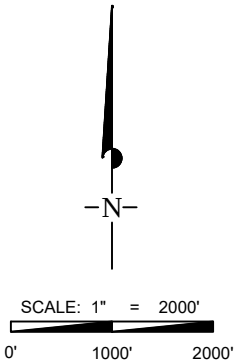
KAISER-FRANCIS OIL COMPANY

EXHIBIT 2A

SECTION 8, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



NEW MEXICO EAST NAD 1983	
<u>SURFACE LOCATION (SHL)</u>	
362' FSL - SEC. 8	
1671' FEL - SEC. 8	
X=802472 Y=446909	
LAT.: N 32.2258086	
LONG.: W 103.4888692	
<u>KICK OFF POINT (KOP)</u>	
230' FSL - SEC. 8	
1300' FEL - SEC. 8	
X=802844 Y=446778	
LAT.: N 32.225440	
LONG.: W 103.487669	
<u>FIRST TAKE POINT (FTP)</u>	
330' FSL - SEC. 8	
1300' FEL - SEC. 8	
X=802843 Y=446878	
LAT.: N 32.225715	
LONG.: W 103.487670	
<u>BLM PERFORATION POINT (BPP1)</u>	
2639' FSL - SEC. 8	
1310' FEL - SEC. 8	
X=802823 Y=449187	
LAT.: N 32.2320617	
LONG.: W 103.4876744	
<u>BLM PERFORATION POINT (BPP2)</u>	
0' FSL - SEC. 5	
1304' FEL - SEC. 5	
X=802801 Y=451834	
LAT.: N 32.2393366	
LONG.: W 103.4876800	
<u>LAST TAKE POINT (LTP)</u>	
2500' FSL - SEC. 5	
1300' FEL - SEC. 5	
X=802780 Y=454333	
LAT.: N 32.246208	
LONG.: W 103.487685	
<u>BOTTOM HOLE LOCATION (BHL)</u>	
2600' FSL - SEC. 5	
1300' FEL - SEC. 5	
X=802779 Y=454433	
LAT.: N 32.246483	
LONG.: W 103.487685	



LEASE NAME & WELL NO.: BELL LAKE UNIT SOUTH 117H

SECTION 8 TWP 24-S RGE 34-E SURVEY N.M.P.M.

COUNTY LEA STATE NM

DESCRIPTION 362' FSL & 1671' FEL

DISTANCE & DIRECTION

FROM INT. OF NM-128 AND NM-18. GO WEST ON NM-128 ±17.8 MI. THENCE

NORTH (RIGHT) ON COUNTY RD. ±0.8 MI. THENCE WEST (LEFT) ON A

LEASE RD. ±1.2 MI, THENCE CONTINUE STRAIGHT ON A PROPOSED RD.

±1760 FEET TO A POINT ±483 FEET SOUTHWEST OF THE LOCATION.

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.

Released to Imaging: 1/7/2025 10:59:20 AM

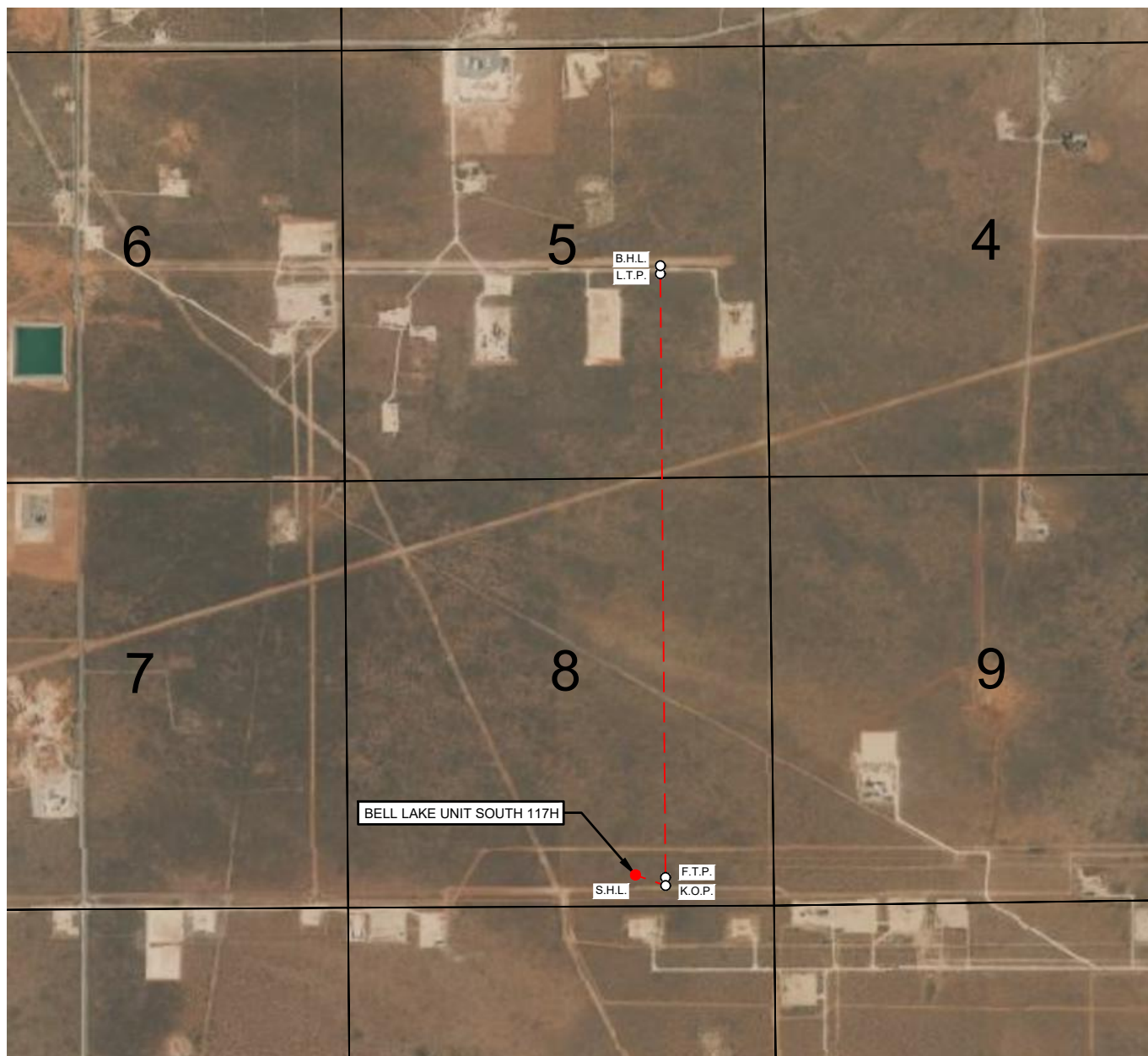
DETAIL VIEW
SCALE: 1" = 600'



Stan W. Lloyd
Stan W. Lloyd, P.S. No. 19642

50-98-111 SER FRANCIS\BELL LAKE UNIT SOUTH 8-24S-34E PAD\FINAL PRODUCTS\LO BELL LAKE UNIT SOUTH 117H REV2.DWG 5/14/2024 5:37:50 PM tyler chemicky

AERIAL PHOTO



KAISER-FRANCIS OIL COMPANY

LEASE NAME & WELL NO.: BELL LAKE UNIT SOUTH 117H

SECTION 8 TWP 24-S RGE 34-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3569'
 DESCRIPTION 362' FSL & 1671' FEL

LATITUDE N 32.2258086 LONGITUDE W 103.4888692

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

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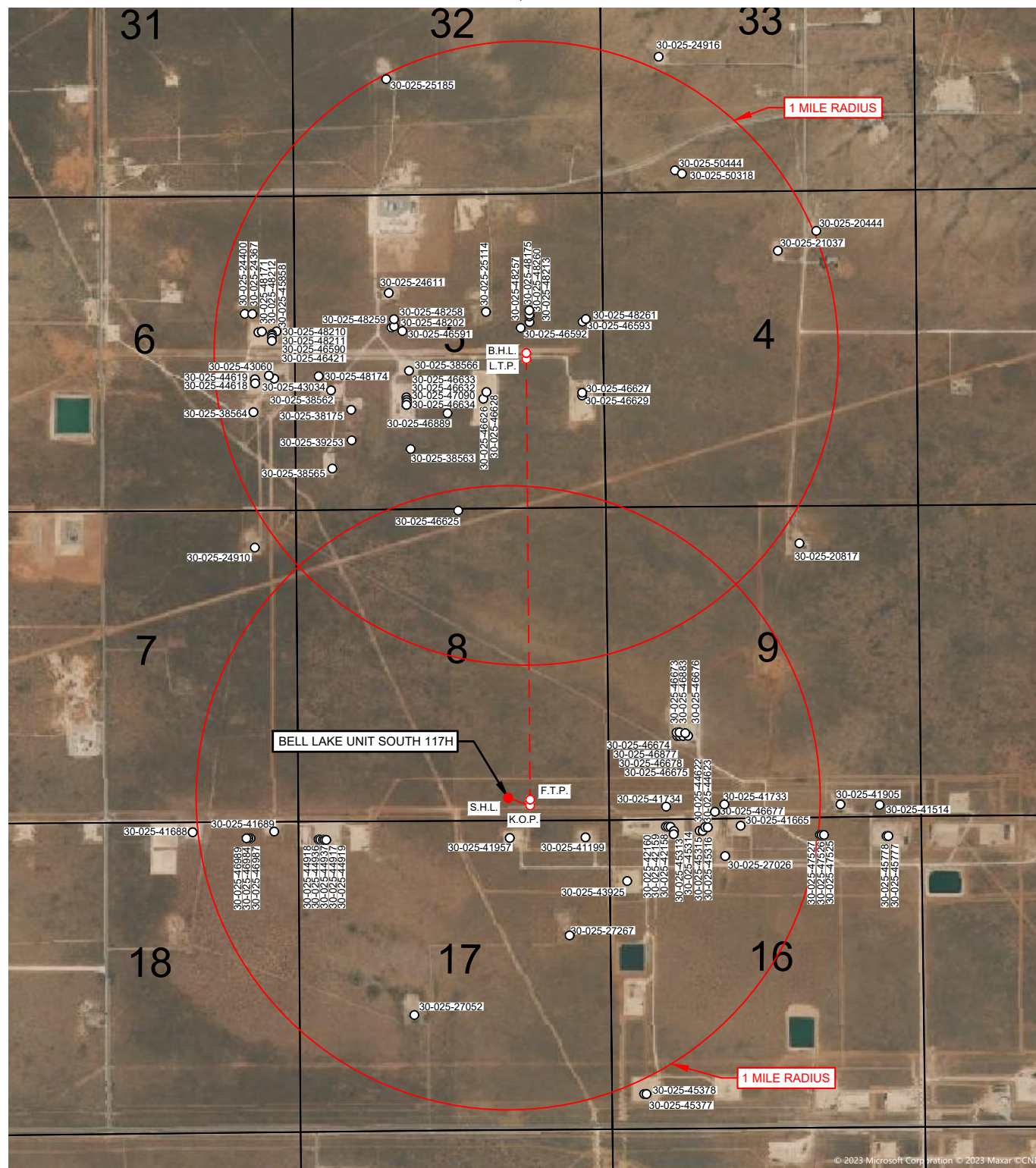


481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
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 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
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EXHIBIT 3

SECTION 8, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

KAISER-FRANCIS OIL COMPANY

LEASE NAME & WELL NO.: BELL LAKE UNIT SOUTH 117H

SCALE: NTS

117H LATITUDE N 32.2258086

117H LONGITUDE W 103.4888692

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.

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KAISER FRANCIS OIL CO.

LEA COUNTY, N.M. 83

SEC 8-T24S-R34E

Bell Lake Unit South 117H

Wellbore #1

Plan: Plan 1

Standard Planning Report

10 May, 2024

Kaiser-Francis Oil Company



Planning Report

Kaiser-Francis Oil Company

Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bell Lake Unit South 117H
Company:	KAISER FRANCIS OIL CO.	TVD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Project:	LEA COUNTY, N.M. 83	MD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Site:	SEC 8-T24S-R34E	North Reference:	Grid
Well:	Bell Lake Unit South 117H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Project	LEA COUNTY, N.M. 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	SEC 8-T24S-R34E		
Site Position:		Northing:	446,990.00 usft
From:	Map	Easting:	802,472.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.22603069
		Longitude:	-103.48886658

Well	Bell Lake Unit South 117H					
Well Position	+N/-S	0.00 usft	Northing:	446,910.00 usft	Latitude:	32.22581081
	+E/-W	0.00 usft	Easting:	802,472.00 usft	Longitude:	-103.48886862
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,569.00 usft
Grid Convergence:		0.45 °				

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM 2023	5/10/2024	6.24	59.79	47,360.90000000

Design	Plan 1				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.01	

Plan Survey Tool Program	Date	5/10/2024			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	17,634.90 Plan 1 (Wellbore #1)	MWD+HRGM		
			OWSG MWD + HRGM		

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	
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,563.77	11.28	130.13	5,560.14	-35.64	42.27	2.00	2.00	0.00	130.13	
7,480.49	11.28	130.13	7,439.86	-277.21	328.80	0.00	0.00	0.00	0.00	
8,044.26	0.00	0.01	8,000.00	-312.85	371.07	2.00	-2.00	0.00	180.00	
9,471.30	0.00	0.01	9,427.04	-312.85	371.07	0.00	0.00	0.00	0.01	
10,371.30	90.00	359.53	10,000.00	260.09	366.36	10.00	10.00	-0.05	359.53	
17,634.90	90.00	359.53	10,000.00	7,523.44	306.67	0.00	0.00	0.00	0.00	PBHL SBLU 117H (13



Planning Report

Kaiser-Francis Oil Company

Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bell Lake Unit South 117H
Company:	KAISER FRANCIS OIL CO.	TVD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Project:	LEA COUNTY, N.M. 83	MD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Site:	SEC 8-T24S-R34E	North Reference:	Grid
Well:	Bell Lake Unit South 117H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

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
Start Build 2.00									
5,100.00	2.00	130.13	5,099.98	-1.12	1.33	-1.12	2.00	2.00	0.00
5,200.00	4.00	130.13	5,199.84	-4.50	5.34	-4.50	2.00	2.00	0.00



Planning Report

Kaiser-Francis Oil Company

Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bell Lake Unit South 117H
Company:	KAISER FRANCIS OIL CO.	TVD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Project:	LEA COUNTY, N.M. 83	MD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Site:	SEC 8-T24S-R34E	North Reference:	Grid
Well:	Bell Lake Unit South 117H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

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	6.00	130.13	5,299.45	-10.12	12.00	-10.11	2.00	2.00	0.00
5,400.00	8.00	130.13	5,398.70	-17.97	21.32	-17.97	2.00	2.00	0.00
5,500.00	10.00	130.13	5,497.47	-28.05	33.27	-28.05	2.00	2.00	0.00
5,563.77	11.28	130.13	5,560.14	-35.64	42.27	-35.64	2.00	2.00	0.00
Start 1916.72 hold at 5563.77 MD									
5,600.00	11.28	130.13	5,595.67	-40.21	47.69	-40.20	0.00	0.00	0.00
5,700.00	11.28	130.13	5,693.74	-52.81	62.64	-52.81	0.00	0.00	0.00
5,800.00	11.28	130.13	5,791.81	-65.41	77.59	-65.41	0.00	0.00	0.00
5,900.00	11.28	130.13	5,889.88	-78.02	92.54	-78.01	0.00	0.00	0.00
6,000.00	11.28	130.13	5,987.95	-90.62	107.48	-90.61	0.00	0.00	0.00
6,100.00	11.28	130.13	6,086.02	-103.22	122.43	-103.21	0.00	0.00	0.00
6,200.00	11.28	130.13	6,184.09	-115.83	137.38	-115.81	0.00	0.00	0.00
6,300.00	11.28	130.13	6,282.16	-128.43	152.33	-128.42	0.00	0.00	0.00
6,400.00	11.28	130.13	6,380.23	-141.03	167.28	-141.02	0.00	0.00	0.00
6,500.00	11.28	130.13	6,478.30	-153.64	182.23	-153.62	0.00	0.00	0.00
6,600.00	11.28	130.13	6,576.37	-166.24	197.18	-166.22	0.00	0.00	0.00
6,700.00	11.28	130.13	6,674.44	-178.84	212.12	-178.82	0.00	0.00	0.00
6,800.00	11.28	130.13	6,772.51	-191.45	227.07	-191.43	0.00	0.00	0.00
6,900.00	11.28	130.13	6,870.58	-204.05	242.02	-204.03	0.00	0.00	0.00
7,000.00	11.28	130.13	6,968.65	-216.65	256.97	-216.63	0.00	0.00	0.00
7,100.00	11.28	130.13	7,066.72	-229.25	271.92	-229.23	0.00	0.00	0.00
7,200.00	11.28	130.13	7,164.79	-241.86	286.87	-241.83	0.00	0.00	0.00
7,300.00	11.28	130.13	7,262.86	-254.46	301.82	-254.43	0.00	0.00	0.00
7,400.00	11.28	130.13	7,360.93	-267.06	316.76	-267.04	0.00	0.00	0.00
7,480.49	11.28	130.13	7,439.86	-277.21	328.80	-277.18	0.00	0.00	0.00
Start Drop -2.00									
7,500.00	10.89	130.13	7,459.01	-279.63	331.66	-279.60	2.00	-2.00	0.00
7,600.00	8.89	130.13	7,557.52	-290.69	344.79	-290.66	2.00	-2.00	0.00
7,700.00	6.89	130.13	7,656.57	-299.53	355.28	-299.50	2.00	-2.00	0.00
7,800.00	4.89	130.13	7,756.04	-306.14	363.11	-306.11	2.00	-2.00	0.00
7,900.00	2.89	130.13	7,855.80	-310.51	368.29	-310.48	2.00	-2.00	0.00
8,000.00	0.89	130.13	7,955.74	-312.63	370.81	-312.60	2.00	-2.00	0.00
8,044.26	0.00	0.01	8,000.00	-312.85	371.07	-312.82	2.00	-2.00	0.00
Start 1427.04 hold at 8044.26 MD									
8,100.00	0.00	0.00	8,055.74	-312.85	371.07	-312.82	0.00	0.00	0.00
8,200.00	0.00	0.00	8,155.74	-312.85	371.07	-312.82	0.00	0.00	0.00
8,300.00	0.00	0.00	8,255.74	-312.85	371.07	-312.82	0.00	0.00	0.00
8,400.00	0.00	0.00	8,355.74	-312.85	371.07	-312.82	0.00	0.00	0.00
8,500.00	0.00	0.00	8,455.74	-312.85	371.07	-312.82	0.00	0.00	0.00
8,600.00	0.00	0.00	8,555.74	-312.85	371.07	-312.82	0.00	0.00	0.00
8,700.00	0.00	0.00	8,655.74	-312.85	371.07	-312.82	0.00	0.00	0.00
8,800.00	0.00	0.00	8,755.74	-312.85	371.07	-312.82	0.00	0.00	0.00
8,900.00	0.00	0.00	8,855.74	-312.85	371.07	-312.82	0.00	0.00	0.00
9,000.00	0.00	0.00	8,955.74	-312.85	371.07	-312.82	0.00	0.00	0.00
9,100.00	0.00	0.00	9,055.74	-312.85	371.07	-312.82	0.00	0.00	0.00
9,200.00	0.00	0.00	9,155.74	-312.85	371.07	-312.82	0.00	0.00	0.00
9,300.00	0.00	0.00	9,255.74	-312.85	371.07	-312.82	0.00	0.00	0.00
9,400.00	0.00	0.00	9,355.74	-312.85	371.07	-312.82	0.00	0.00	0.00
9,471.30	0.00	0.00	9,427.04	-312.85	371.07	-312.82	0.00	0.00	0.00
Start DLS 10.00 TFO 359.53									
9,500.00	2.87	359.53	9,455.73	-312.13	371.06	-312.10	10.00	10.00	0.00
9,550.00	7.87	359.53	9,505.49	-307.45	371.03	-307.42	10.00	10.00	0.00
9,600.00	12.87	359.53	9,554.66	-298.46	370.95	-298.42	10.00	10.00	0.00



Planning Report

Kaiser-Francis Oil Company

Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bell Lake Unit South 117H
Company:	KAISER FRANCIS OIL CO.	TVD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Project:	LEA COUNTY, N.M. 83	MD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Site:	SEC 8-T24S-R34E	North Reference:	Grid
Well:	Bell Lake Unit South 117H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

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)	
9,650.00	17.87	359.53	9,602.86	-285.21	370.84	-285.18	10.00	10.00	0.00	
9,700.00	22.87	359.53	9,649.72	-267.81	370.70	-267.78	10.00	10.00	0.00	
9,750.00	27.87	359.53	9,694.88	-246.39	370.52	-246.36	10.00	10.00	0.00	
9,800.00	32.87	359.53	9,738.01	-221.12	370.32	-221.09	10.00	10.00	0.00	
9,850.00	37.87	359.53	9,778.76	-192.19	370.08	-192.16	10.00	10.00	0.00	
9,900.00	42.87	359.53	9,816.85	-159.82	369.81	-159.78	10.00	10.00	0.00	
9,950.00	47.87	359.53	9,851.96	-124.25	369.52	-124.21	10.00	10.00	0.00	
10,000.00	52.87	359.53	9,883.84	-85.75	369.20	-85.72	10.00	10.00	0.00	
10,050.00	57.87	359.53	9,912.25	-44.62	368.87	-44.59	10.00	10.00	0.00	
10,100.00	62.87	359.53	9,936.96	-1.18	368.51	-1.14	10.00	10.00	0.00	
10,150.00	67.87	359.53	9,957.79	44.26	368.14	44.29	10.00	10.00	0.00	
10,200.00	72.87	359.53	9,974.58	91.34	367.75	91.37	10.00	10.00	0.00	
10,250.00	77.87	359.53	9,987.21	139.70	367.35	139.73	10.00	10.00	0.00	
10,300.00	82.87	359.53	9,995.57	188.98	366.95	189.01	10.00	10.00	0.00	
10,350.00	87.87	359.53	9,999.60	238.80	366.54	238.83	10.00	10.00	0.00	
10,371.30	90.00	359.53	10,000.00	260.09	366.36	260.12	10.00	10.00	0.00	
Start 7263.60 hold at 10371.30 MD										
10,400.00	90.00	359.53	10,000.00	288.79	366.13	288.82	0.00	0.00	0.00	
10,500.00	90.00	359.53	10,000.00	388.79	365.30	388.82	0.00	0.00	0.00	
10,600.00	90.00	359.53	10,000.00	488.78	364.48	488.81	0.00	0.00	0.00	
10,700.00	90.00	359.53	10,000.00	588.78	363.66	588.81	0.00	0.00	0.00	
10,800.00	90.00	359.53	10,000.00	688.78	362.84	688.81	0.00	0.00	0.00	
10,900.00	90.00	359.53	10,000.00	788.77	362.02	788.80	0.00	0.00	0.00	
11,000.00	90.00	359.53	10,000.00	888.77	361.19	888.80	0.00	0.00	0.00	
11,100.00	90.00	359.53	10,000.00	988.77	360.37	988.80	0.00	0.00	0.00	
11,200.00	90.00	359.53	10,000.00	1,088.76	359.55	1,088.79	0.00	0.00	0.00	
11,300.00	90.00	359.53	10,000.00	1,188.76	358.73	1,188.79	0.00	0.00	0.00	
11,400.00	90.00	359.53	10,000.00	1,288.76	357.91	1,288.79	0.00	0.00	0.00	
11,500.00	90.00	359.53	10,000.00	1,388.75	357.09	1,388.78	0.00	0.00	0.00	
11,600.00	90.00	359.53	10,000.00	1,488.75	356.26	1,488.78	0.00	0.00	0.00	
11,700.00	90.00	359.53	10,000.00	1,588.74	355.44	1,588.78	0.00	0.00	0.00	
11,800.00	90.00	359.53	10,000.00	1,688.74	354.62	1,688.77	0.00	0.00	0.00	
11,900.00	90.00	359.53	10,000.00	1,788.74	353.80	1,788.77	0.00	0.00	0.00	
12,000.00	90.00	359.53	10,000.00	1,888.73	352.98	1,888.77	0.00	0.00	0.00	
12,100.00	90.00	359.53	10,000.00	1,988.73	352.15	1,988.76	0.00	0.00	0.00	
12,200.00	90.00	359.53	10,000.00	2,088.73	351.33	2,088.76	0.00	0.00	0.00	
12,300.00	90.00	359.53	10,000.00	2,188.72	350.51	2,188.76	0.00	0.00	0.00	
12,400.00	90.00	359.53	10,000.00	2,288.72	349.69	2,288.75	0.00	0.00	0.00	
12,500.00	90.00	359.53	10,000.00	2,388.72	348.87	2,388.75	0.00	0.00	0.00	
12,600.00	90.00	359.53	10,000.00	2,488.71	348.04	2,488.74	0.00	0.00	0.00	
12,700.00	90.00	359.53	10,000.00	2,588.71	347.22	2,588.74	0.00	0.00	0.00	
12,800.00	90.00	359.53	10,000.00	2,688.71	346.40	2,688.74	0.00	0.00	0.00	
12,900.00	90.00	359.53	10,000.00	2,788.70	345.58	2,788.73	0.00	0.00	0.00	
13,000.00	90.00	359.53	10,000.00	2,888.70	344.76	2,888.73	0.00	0.00	0.00	
13,100.00	90.00	359.53	10,000.00	2,988.70	343.94	2,988.73	0.00	0.00	0.00	
13,200.00	90.00	359.53	10,000.00	3,088.69	343.11	3,088.72	0.00	0.00	0.00	
13,300.00	90.00	359.53	10,000.00	3,188.69	342.29	3,188.72	0.00	0.00	0.00	
13,400.00	90.00	359.53	10,000.00	3,288.69	341.47	3,288.72	0.00	0.00	0.00	
13,500.00	90.00	359.53	10,000.00	3,388.68	340.65	3,388.71	0.00	0.00	0.00	
13,600.00	90.00	359.53	10,000.00	3,488.68	339.83	3,488.71	0.00	0.00	0.00	
13,700.00	90.00	359.53	10,000.00	3,588.68	339.00	3,588.71	0.00	0.00	0.00	
13,800.00	90.00	359.53	10,000.00	3,688.67	338.18	3,688.70	0.00	0.00	0.00	
13,900.00	90.00	359.53	10,000.00	3,788.67	337.36	3,788.70	0.00	0.00	0.00	
14,000.00	90.00	359.53	10,000.00	3,888.67	336.54	3,888.70	0.00	0.00	0.00	



Planning Report

Kaiser-Francis Oil Company

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Company:	KAISER FRANCIS OIL CO.	TVD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Project:	LEA COUNTY, N.M. 83	MD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Site:	SEC 8-T24S-R34E	North Reference:	Grid
Well:	Bell Lake Unit South 117H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

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)
14,100.00	90.00	359.53	10,000.00	3,988.66	335.72	3,988.69	0.00	0.00	0.00
14,200.00	90.00	359.53	10,000.00	4,088.66	334.90	4,088.69	0.00	0.00	0.00
14,300.00	90.00	359.53	10,000.00	4,188.66	334.07	4,188.69	0.00	0.00	0.00
14,400.00	90.00	359.53	10,000.00	4,288.65	333.25	4,288.68	0.00	0.00	0.00
14,500.00	90.00	359.53	10,000.00	4,388.65	332.43	4,388.68	0.00	0.00	0.00
14,600.00	90.00	359.53	10,000.00	4,488.65	331.61	4,488.68	0.00	0.00	0.00
14,700.00	90.00	359.53	10,000.00	4,588.64	330.79	4,588.67	0.00	0.00	0.00
14,800.00	90.00	359.53	10,000.00	4,688.64	329.96	4,688.67	0.00	0.00	0.00
14,900.00	90.00	359.53	10,000.00	4,788.64	329.14	4,788.67	0.00	0.00	0.00
15,000.00	90.00	359.53	10,000.00	4,888.63	328.32	4,888.66	0.00	0.00	0.00
15,100.00	90.00	359.53	10,000.00	4,988.63	327.50	4,988.66	0.00	0.00	0.00
15,200.00	90.00	359.53	10,000.00	5,088.63	326.68	5,088.66	0.00	0.00	0.00
15,300.00	90.00	359.53	10,000.00	5,188.62	325.86	5,188.65	0.00	0.00	0.00
15,400.00	90.00	359.53	10,000.00	5,288.62	325.03	5,288.65	0.00	0.00	0.00
15,500.00	90.00	359.53	10,000.00	5,388.62	324.21	5,388.64	0.00	0.00	0.00
15,600.00	90.00	359.53	10,000.00	5,488.61	323.39	5,488.64	0.00	0.00	0.00
15,700.00	90.00	359.53	10,000.00	5,588.61	322.57	5,588.64	0.00	0.00	0.00
15,800.00	90.00	359.53	10,000.00	5,688.61	321.75	5,688.63	0.00	0.00	0.00
15,900.00	90.00	359.53	10,000.00	5,788.60	320.92	5,788.63	0.00	0.00	0.00
16,000.00	90.00	359.53	10,000.00	5,888.60	320.10	5,888.63	0.00	0.00	0.00
16,100.00	90.00	359.53	10,000.00	5,988.60	319.28	5,988.62	0.00	0.00	0.00
16,200.00	90.00	359.53	10,000.00	6,088.59	318.46	6,088.62	0.00	0.00	0.00
16,300.00	90.00	359.53	10,000.00	6,188.59	317.64	6,188.62	0.00	0.00	0.00
16,400.00	90.00	359.53	10,000.00	6,288.59	316.82	6,288.61	0.00	0.00	0.00
16,500.00	90.00	359.53	10,000.00	6,388.58	315.99	6,388.61	0.00	0.00	0.00
16,600.00	90.00	359.53	10,000.00	6,488.58	315.17	6,488.61	0.00	0.00	0.00
16,700.00	90.00	359.53	10,000.00	6,588.58	314.35	6,588.60	0.00	0.00	0.00
16,800.00	90.00	359.53	10,000.00	6,688.57	313.53	6,688.60	0.00	0.00	0.00
16,900.00	90.00	359.53	10,000.00	6,788.57	312.71	6,788.60	0.00	0.00	0.00
17,000.00	90.00	359.53	10,000.00	6,888.57	311.88	6,888.59	0.00	0.00	0.00
17,100.00	90.00	359.53	10,000.00	6,988.56	311.06	6,988.59	0.00	0.00	0.00
17,200.00	90.00	359.53	10,000.00	7,088.56	310.24	7,088.59	0.00	0.00	0.00
17,300.00	90.00	359.53	10,000.00	7,188.56	309.42	7,188.58	0.00	0.00	0.00
17,400.00	90.00	359.53	10,000.00	7,288.55	308.60	7,288.58	0.00	0.00	0.00
17,500.00	90.00	359.53	10,000.00	7,388.55	307.77	7,388.58	0.00	0.00	0.00
17,600.00	90.00	359.53	10,000.00	7,488.55	306.95	7,488.57	0.00	0.00	0.00
17,634.90	90.00	359.53	10,000.00	7,523.44	306.67	7,523.47	0.00	0.00	0.00
TD at 17634.90									



Planning Report

Kaiser-Francis Oil Company

Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bell Lake Unit South 117H
Company:	KAISER FRANCIS OIL CO.	TVD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Project:	LEA COUNTY, N.M. 83	MD Reference:	GE 3569' + 24' @ 3593.00usft (Cactus 142)
Site:	SEC 8-T24S-R34E	North Reference:	Grid
Well:	Bell Lake Unit South 117H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

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
VP SBLU 117H (1300' F - plan hits target center - Point	0.00	0.00	8,000.00	-312.85	371.07	446,597.15	802,843.07	32.22494288	-103.48767671
PBHL SBLU 117H (1300 - plan hits target center - Point	0.00	0.00	10,000.00	7,523.44	306.67	454,433.44	802,778.66	32.24648313	-103.48768547
FTP SBLU 117H (1300' I - plan misses target center by 70.16usft at 10100.00usft MD (9936.96 TVD, -1.18 N, 368.51 E) - Point	0.00	0.00	10,000.00	-31.85	371.07	446,878.15	802,843.07	32.22571523	-103.48766956
LTP SBLU 117H (1300' I - plan misses target center by 0.48usft at 17535.46usft MD (10000.00 TVD, 7424.00 N, 307.48 E) - Point	0.00	0.00	10,000.00	7,424.00	307.00	454,334.00	802,779.00	32.24620979	-103.48768692
BPP2 SBLU 117H (1300 - plan misses target center by 0.03usft at 15035.37usft MD (10000.00 TVD, 4924.00 N, 328.03 E) - Point	0.00	0.00	10,000.00	4,924.00	328.00	451,834.00	802,800.00	32.23933784	-103.48768267
BPP1 SBLU 117H (1300 - plan misses target center by 0.22usft at 12388.28usft MD (10000.00 TVD, 2277.00 N, 349.78 E) - Point	0.00	0.00	10,000.00	2,277.00	350.00	449,187.00	802,822.00	32.23206181	-103.48767892

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
17,687.11		20" Casing	20	24

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,000.00	5,000.00	0.00	0.00	Start Build 2.00
5,563.77	5,560.14	-35.64	42.27	Start 1916.72 hold at 5563.77 MD
7,480.49	7,439.86	-277.21	328.80	Start Drop -2.00
8,044.26	8,000.00	-312.85	371.07	Start 1427.04 hold at 8044.26 MD
9,471.30	9,427.04	-312.85	371.07	Start DLS 10.00 TFO 359.53
10,371.30	10,000.00	260.09	366.36	Start 7263.60 hold at 10371.30 MD
17,634.90	10,000.00	7,523.44	306.67	TD at 17634.90

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<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

CONDITIONS

Action 345407

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 345407
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	1/7/2025
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing.	1/7/2025