Form 3160-3
(June 2015)

OCD – HOBBS
09/14/2020
RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMLC0066438

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☑ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.
BELL LAKE / NMNM 068292X

8. Lease Name and Well No.
BELL LAKE UNIT NORTH
[316707]
420H

2. Name of Operator
KAISER FRANCIS OIL COMPANY [12361]

9. API Well No.
30-025-47767

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory [98265]
6733 S. Yale Ave., Tulsa, OK 74121	(918) 491-0000	OJO CHISO/WOLFCAMP, SOUTHWEST

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface NWSW / 2388 FSL / 380 FWL / LAT 32.332992 / LONG -103.533404
At proposed prod. zone NWNW / 330 FNL / 1230 FWL / LAT 32.354537 / LONG -103.530658

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 1/T23S/R33E/NMP

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State
20 miles	LEA	NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
380 feet	479.85	480.0

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
30 feet	12073 feet / 19997 feet	FED: WYB000055

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
3530 feet	06/01/2020	40 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date
(Electronic Submission)	MELANIE WILSON / Ph: (918) 491-0000	01/20/2020

Title
Regulatory Analyst

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
(Electronic Submission)	Cody Layton / Ph: (575) 234-5959	09/09/2020

Title	Office
Assistant Field Manager Lands & Minerals	Carlsbad Field Office

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GCP Rec 09/14/2020

SL

APPROVED WITH CONDITIONS

KZ 10/05/2020

Approval Date: 09/09/2020

(Continued on page 2)

*(Instructions on page 2)

Operator Certification

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: Melanie Wilson **Signed on:** 01/14/2020

Title: Regulatory Analyst

Street Address: 106 W. Riverside Drive

City: Carlsbad **State:** NM **Zip:** 88220

Phone: (575)914-1461

Email address: nmogrservices@gmail.com

Field Representative

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

APD ID: 10400053232 **Submission Date:** 01/20/2020

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General

APD ID: 10400053232 **Tie to previous NOS?** N **Submission Date:** 01/20/2020

BLM Office: CARLSBAD **User:** Melanie Wilson **Title:** Regulatory Analyst

Federal/Indian APD: FED **Is the first lease penetrated for production Federal or Indian?** FED

Lease number: NMLC0066438 **Lease Acres:** 479.85

Surface access agreement in place? **Allotted?** **Reservation:**

Agreement in place? YES **Federal or Indian agreement:** FEDERAL

Agreement number: NMNM068292X

Agreement name: BELL LAKE

Keep application confidential? Y

Permitting Agent? NO **APD Operator:** KAISER FRANCIS OIL COMPANY

Operator letter of designation:

Operator Info

Operator Organization Name: KAISER FRANCIS OIL COMPANY

Operator Address: 6733 S. Yale Ave. **Zip:** 74121

Operator PO Box: PO Box 21468

Operator City: Tulsa **State:** OK

Operator Phone: (918)491-0000

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO **Master Development Plan name:**

Well in Master SUPO? NO **Master SUPO name:**

Well in Master Drilling Plan? NO **Master Drilling Plan name:**

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H **Well API Number:**

Field/Pool or Exploratory? Field and Pool **Field Name:** OJO CHISO **Pool Name:** WOLFCAMP, SOUTHWEST

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** N **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** NORTH BELL LAKE UNIT **Number:** 1

Well Class: HORIZONTAL **Number of Legs:** 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: EXPLORATORY (WILDCAT)

Describe sub-type:

Distance to town: 20 Miles **Distance to nearest well:** 30 FT **Distance to lease line:** 380 FT

Reservoir well spacing assigned acres Measurement: 480 Acres

Well plat: BLUN_420H_C102_20200114125341.pdf

BLUN_420H_Pymt_20200115110504.pdf

Well work start Date: 06/01/2020 **Duration:** 40 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: 7073 **Reference Datum:** GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
SHL Leg #1	2388	FSL	380	FWL	23S	33E	1	Aliquot NWSW	32.332992	-103.533404	LEA	NEW MEXICO	NEW MEXICO	F	NMLC0066438	3530	0	0	N
KOP Leg #1	2388	FSL	380	FWL	23S	33E	1	Aliquot NWSW	32.332992	-103.533404	LEA	NEW MEXICO	NEW MEXICO	F	NMLC0066438	-7952	11527	11482	N

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
PPP Leg #1-1	0	FSL	1230	FWL	22S	33E	36	Aliquot SWSW	32.340929	-103.530634	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-8543	15047	12073	Y
PPP Leg #1-2	2600	FNL	1240	FWL	23S	33E	1	Aliquot SWNW	32.333783	-103.530621	LEA	NEW MEXICO	NEW MEXICO	F	NMLC0066438	-8543	12447	12073	Y
EXIT Leg #1	330	FNL	1230	FWL	22S	33E	36	Aliquot NWNW	32.354537	-103.530658	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-8543	19997	12073	Y
BHL Leg #1	330	FNL	1230	FWL	22S	33E	36	Aliquot NWNW	32.354537	-103.530658	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-8543	19997	12073	Y

Kaiser-Francis Oil Company
Bell Lake Unit North 419H
Casing Assumptions

Interval	Length	Casing Size	Weight (#/ft)	Grade	Thread	Condition	Hole Size	TVD (ft)	Mud Type	Mud Weight Hole Control	Depth	Viscosity	Fluid Loss	Anticipated Mud Weight (ppg)	Max Pore Pressure (psi)	Collapse (psi)	Burst (psi)	Body Tensile Strength	Joint Tensile Strength	Collapse Safety Factor (Min 1.1)	Burst Safety Factor (Min 1.0)	Body Tensile Safety Factor (Min 1.8)	Joint Tensile Safety Factor (Min 1.8)
Conductor	120	20"				New		120															
Surface	1600	10-3/4"	40.5	J-55	STC	New	14-3/4"	1600	FW	8.4 - 9.0	1350'	32 - 34	NC	9	749	1580	3130	629000	420000	2.1	4.2	9.7	6.5
Intermediate	11421	7-5/8"	29.7	HCP110	LTC	New	9-7/8"	11378	Brine	8.7 - 9.0	11426'	28-29	NC	9	5325	6700	9460	940000	769000	1.3	1.8	2.8	2.3
Production	19997	5-1/2"	20	P110 HP	USS Eagle SFH	New	6-3/4"	12073	OBM	10.0-12.0	19882'	55-70		12	7534	13150	14360	729000	629000	1.7	1.9	3.0	2.6

U. S. Steel Tubular Products

5 1/2 20.00 lb (0.361) P110 HP

USS-EAGLE SFH™

	PIPE	CONNECTION	
MECHANICAL PROPERTIES			
Minimum Yield Strength	**125,000**		*psi*
Maximum Yield Strength	**140,000**		*psi*
Minimum Tensile Strength	**130,000**		*psi*
DIMENSIONS			
Outside Diameter	**5.500**	**5.830**	*in.*
Wall Thickness	0.361		*in.*
Inside Diameter	4.778	4.693	*in.*
Drift - API	4.653	4.653	*in.*
Nominal Linear Weight, T&C	**20.00**		*lbs/ft*
Plain End Weight	19.83		*lbs/ft*
SECTION AREA			
Cross Sectional Area | Critical Area	5.828	5.027	*sq. in.*
Joint Efficiency		86.25	%
PERFORMANCE			
Minimum Collapse Pressure	13,150	13,150	*psi*
External Pressure Leak Resistance		10,000	*psi*
Minimum Internal Yield Pressure	14,360	14,360	*psi*
Minimum Pipe Body Yield Strength	729,000		*lbs*
Joint Strength		629,000	*lbs*
Compression Rating		629,000	*lbs*
Reference Length		21,146	*ft*
Maximum Uniaxial Bend Rating		89.9	*deg/100 ft*
MAKE-UP DATA			
Minimum Make-Up Torque		14,200	*ft-lbs*
Maximum Make-Up Torque		16,800	*ft-lbs*
Maximum Operating Torque		25,700	*ft-lbs*
Make-Up Loss		5.92	*in.*

Notes:

1) Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2) Compressive & Tensile Connection Efficiencies are calculated by dividing the connection critical area by the pipe body area.
3) Uniaxial bending rating shown is structural only, and equal to compression efficiency.
4) Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
5) Reference length is calculated by joint strength divided by plain end weight with 1.5 safety factor.
6) Connection external pressure resistance has been verified to 10,000 psi (Fit-For-Service testing protocol).

U. S. Steel Tubular Products
10343 Sam Houston Park Dr., #120
Houston, TX 77064
1-877-893-9461
connections@uss.com
www.usstubular.com

Kaiser-Francis Oil Company
Bell Lake Unit North 419H
Casing Assumptions

Interval	Length	Casing Size	Weight (#/ft)	Grade	Thread	Condition	Hole Size	TVD (ft)	Mud Type	Mud Weight Hole Control	Depth	Viscosity	Fluid Loss	Anticipated Mud Weight (ppg)	Max Pore Pressure (psi)	Collapse (psi)	Burst (psi)	Body Tensile Strength	Joint Tensile Strength	Collapse Safety Factor (Min 1.1)	Burst Safety Factor (Min 1.0)	Body Tensile Safety Factor (Min 1.8)	Joint Tensile Safety Factor (Min 1.8)
Conductor	120	20"				New		120															
Surface	1600	10-3/4"	40.5	J-55	STC	New	14-3/4"	1600	FW	8.4 - 9.0	1350'	32 - 34	NC	9	749	1580	3130	629000	420000	2.1	4.2	9.7	6.5
Intermediate	11421	7-5/8"	29.7	HCP110	LTC	New	9-7/8"	11378	Brine	8.7 - 9.0	11426'	28-29	NC	9	5325	6700	9460	940000	769000	1.3	1.8	2.8	2.3
Production	19997	5-1/2"	20	P110 HP	USS Eagle SFH	New	6-3/4"	12073	OBM	10.0-12.0	19882'	55-70		12	7534	13150	14360	729000	629000	1.7	1.9	3.0	2.6

KAISER-FRANCIS OIL COMPANY
HYDROGEN SULFIDE (H_2S) CONTINGENCY PLAN
FOR DRILLING/COMPLETION WORKOVER/FACILITY

Bell Lake Unit North
SECTION 1 -T23S-R33E
SECTION 6 -T23S-R34E
SECTION 5 -T23S-R34E

LEA COUNTY, NM

This well/facility is not expected to have H_2S, but due to the sensitive location, the following is submitted as requested.

TABLE OF CONTENTS

EMERGENCY RESPONSE ACTIVATION AND GENERAL RESPONSIBILITIES

Activation of the Emergency Action Plan

In the event of any emergency situation, all personnel on location should first ensure that the following items are initiated. After that, they should refer to the appropriate Specific Emergency Guidance sections below for further responsibilities:

1. Notify the senior ranking contract representative on site.
2. Notify Kaiser-Francis representative in charge.
3. Notify civil authorities if the Kaiser-Francis Representative cannot be contacted and the situation dictates.
4. Perform rescue and first aid as required (without jeopardizing additional personnel).

General Responsibilities

In the event of an H_2S emergency, the following plan will be initiated.

1) All personnel will immediately evacuate to an up-wind and if possible up-hill "safe area".

2) If for any reason a person must enter the hazardous area, they must wear a SCBA (Self contained breathing apparatus).

3) Always use the "buddy system".

4) Isolate the well/problem if possible.

5) Account for all personnel

6) Display the proper colors, warning all unsuspecting personnel of the danger at hand

7) Contact the Company personnel as soon as possible if not at the location. (use the enclosed call list as instructed)

At this point the company representative will evaluate the situation and coordinate the necessary duties to bring the situation under control, and if necessary, the notification of emergency response agencies and residents.

INDIVIDUAL RESPONSIBILITIES DURING AN H_2S RELEASE

The following procedures and responsibilities will be implemented on activation of the H_2S siren and lights.

All Personnel:

1. On alarm, don escape unit (if available) and report to upwind briefing area.

Rig Manager/Tool Pusher:

1. Check that all personnel are accounted for and their condition.
2. Administer or arrange for first aid treatment, and/or call EMTs as needed.
3. Identify two people best suited to secure well and perform rescue, and instruct them to don SCBA.
4. Notify Contract management and Kaiser-Francis Representative.
5. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.

Two People Responsible for Shut-in and Rescue:

1. Don SCBA and acquire tools to secure well and perform rescue, i.e., wrenches, retrieval ropes, etc.
2. Utilize the buddy system to secure well and perform rescue(s).
3. Return to the briefing area and stand by for further instructions.

All Other Personnel:

1. Isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

Kaiser-Francis Oil Company Representative:

1. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.
2. Notify company management or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

PROCEDURE FOR IGNITING AN UNCONTROLLABLE CONDITION:
Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO_2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police shall be the Incident Command of any major release.

The decision to ignite a well should be a last resort and one if not both of the following pertain.

1) Human life and/or property are in danger.

2) There is no hope of bringing the situation under control with the prevailing conditions at the site.

INSTRUCTIONS FOR IGNITION:

1) Two people are required. They must be equipped with positive pressure; self contained breathing apparatus and a "D"-ring style, full body, OSHA approved safety harness. Non-flammable rope will be attached.

2) One of the people will be a qualified safety person who will test the atmosphere for H_2S, Oxygen, & LFL. The other person will be the company supervisor; he is responsible for igniting the well.

3) Ignite up-wind from a distance no closer than necessary. Make sure that where you ignite from has the maximum escape avenue available. A 25mm flare gun shall be used, with a +/-500' range to ignite the gas.

4) Prior to ignition, make a final check for combustible gases.

5) Following ignition, continue with the emergency actions & procedures as before.

CONTACTING AUTHORITIES

Kaiser-Francis personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. This response plan must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER).

EMERGENCY CALL LIST: (Start and continue until ONE of these people have been reached)

	OFFCE	MOBILE
Kaiser-Francis Oil Co.	918/494-0000	
Bill Wilkinson	580/668-2335	580/221-4637
David Zerger	918/491-4350	918/557-6708
Charles Lock	918/491-4337	918/671-6510
Stuart Blake	918/491-4347	918/510-4126
Robert Sanford	918/491-4201	918/770-2682
Eric Hansen	918/491-4339	918/527-5260

EMERGENCY RESPONSE NUMBERS: Lea County, New Mexico

State Police – Artesia	575/748-9718
State Police – Hobbs	575/392-5580
State Police – Carlsbad	575/885-3138
Lea County Sheriff - Lovington	575/396-3611
Local Emergency Planning Center – Lea County	575/396-8607
Local Emergency Planning Center – Eddy County	575/885-3581
Fire Fighting, Rescue & Ambulance – Carlsbad	911 or 575/885-3125
Fire Fighting, Rescue & Ambulance – Hobbs	911 or 575/397-9308
Fire Fighting – Jal Volunteer Fire Department	911 or 505/395-2221
New Mexico Oil & Gas Commission – Artesia	575/748-1283
New Mexico Oil & Gas Commission – Hobbs	575/393-6161
Air Medical Transport Services – Hobbs	800/550-1025
Med Flight Air Ambulance – Albuquerque	505/842-4433
Angel MedFlight	844/553-9033
DXP	432/580-3770
BJ Services	575/392-5556
Halliburton	575/392-6531 800/844-8451

PROTECTION OF THE GENERAL PUBLIC/ROE:

In the event of a release with a concentration greater than 100 ppm H_2S, the ROE (Radius of Exposure) calculations will be done to determine if the following conditions have been met:

- Does the 100 ppm ROE include any public area (any place not associated with this site)
- Does the 500 ppm ROE include any public road (any road which the general public may travel)
- Is the 100 ppm ROE equal to or greater than 3000 feet

If any one of these conditions have been met then the Contingency Plan will be implemented. The following shows how to calculate the radius of exposure and an example.

Calculation for the 100 ppm ROE:

X = [(1.589)(concentration)(Q)] (0.6258)

Calculation for the 500 ppm ROE:

X+[(0.4546)(concentration)(Q)] (.06258)

(H2S concentrations in decimal form)
10,000 ppm +=1.+
1,000 ppm +=.1+
100 ppm +=.01+
10 ppm +=.001+

EXAMPLE: If a well/facility has been determined to have 150 ppm H_2S in the gas mixture and the well/facility is producing at a gas rate of 200 MCFPD then:

ROE for 100 PPM X=[(1.589)(.0150)(200)] (0.6258)
X=2.65'

ROE for 500 PPM X=[(.4546)(.0150)(200)] (0.6258)
X=1.2'

(These calculations will be forwarded to the appropriate District NMOCD office when applicable.)

PUBLIC EVACUATION PLAN:
(When the supervisor has determined that the General Public will be involved, the following plan will be implemented)

1) Notification of the emergency response agencies of the hazardous condition and Implement evacuation procedures.

2) A trained person in H_2S safety, shall monitor with detection equipment the H_2S Concentration, wind and area of exposure (ROE). This person will determine the outer perimeter of the hazardous area. The extent of the evacuation area will be determined from the data being collected. Monitoring shall continue until the situation has been resolved. **(All monitoring equipment will be UL approved, for use in class I groups A,B,C & D, Division I, hazardous locations. All monitors will have a minimum capability of measuring H_2S, oxygen, and flammable values.)**

3) Law enforcement shall be notified to set up necessary barriers and maintain such for the duration of the situation as well as aid in the evacuation procedure.

4) The company supervising personnel shall stay in communication with all agencies through out the duration of the situation and inform such agencies when the situation has been contained and the effected area(s) is safe to enter.

CHARACTERISTICS OF H_2S AND SO_2

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H_2S	1.189 Air = 1	10 ppm	100 ppm	600 ppm
Sulfur Dioxide	SO_2	2.21 Air = 1	2 ppm	N/A	1000 ppm

TRAINING:

All responders must have training in the detection of H_2S measures for protection against the gas, equipment used for protection and emergency response. Weekly drills by all crews will be conducted and recorded in the IADC daily log. Additionally, responders must be equipped with H_2S monitors at all times.

PUBLIC RELATIONS

Kaiser-Francis recognizes that the news media have a legitimate interest in incidents at Kaiser-Francis facilities that could affect the public. It is to the company's benefit to cooperate with the news media when incidents occur because these media are our best liaison with the public.

Our objective is to see that all reports of any emergency are factual and represent the company's position fairly and accurately. Cooperation with news media representatives is the most reliable guarantee that this objective will be met.

All contract and Kaiser-Francis employees are instructed **NOT** to make any statement to the media concerning the emergency incident. If a media representative contacts any employee, they should refer them to the designated Emergency Command Center where they should contact the Incident Commander or his designated relief for any information concerning the incident.

KAISER-FRANCIS OIL COMPANY

Kaiser Francis

Bell Lake Unit North 420H
Bell Lake Unit North 420H
Bell Lake Unit North 420H
Bell Lake Unit North 420H

Plan: 191213 Bell Lake Unit North 420H

Morcor Standard Plan

13 December, 2019

Morcor Engineering

Morcor Standard Plan

Company:	Kaiser Francis	**Local Co-ordinate Reference:**	Well Bell Lake Unit North 420H
Project:	Bell Lake Unit North 420H	**TVD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Site:	Bell Lake Unit North 420H	**MD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Well:	Bell Lake Unit North 420H	**North Reference:**	Grid
Wellbore:	Bell Lake Unit North 420H	**Survey Calculation Method:**	Minimum Curvature
Design:	191213 Bell Lake Unit North 420H	**Database:**	EDM 5000.1 Single User Db

Project Bell Lake Unit North 420H

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Bell Lake Unit North 420H

Site Position:		**Northing:**	485,737.20 usft	**Latitude:**	32° 20' 0.968 N
From:	Map	**Easting:**	747,225.88 usft	**Longitude:**	103° 40' 0.240 W
Position Uncertainty:	1.0 usft	**Slot Radius:**	17-1/2 "	**Grid Convergence:**	0.36 °

Well Bell Lake Unit North 420H

Well Position	**+N/-S**	0.0 usft	**Northing:**	485,737.20 usft	**Latitude:**	32° 20' 0.968 N
	+E/-W	0.0 usft	**Easting:**	747,225.88 usft	**Longitude:**	103° 40' 0.240 W
Position Uncertainty		1.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,530.2 usft

Wellbore Bell Lake Unit North 420H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/13/2019	6.58	60.05	47,822

Design 191213 Bell Lake Unit North 420H

Audit Notes:			
Version:	**Phase:**	PLAN	**Tie On Depth:** 0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	5.75

Survey Tool Program **Date** 12/13/2019

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	19,997.8	191213 Bell Lake Unit North 420H (Bell La	MWD	MWD - Standard

Company:	Kaiser Francis	**Local Co-ordinate Reference:**	Well Bell Lake Unit North 420H
Project:	Bell Lake Unit North 420H	**TVD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Site:	Bell Lake Unit North 420H	**MD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Well:	Bell Lake Unit North 420H	**North Reference:**	Grid
Wellbore:	Bell Lake Unit North 420H	**Survey Calculation Method:**	Minimum Curvature
Design:	191213 Bell Lake Unit North 420H	**Database:**	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
0.0	0.00	0.00	0.0	-3,552.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
100.0	0.00	0.00	100.0	-3,452.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
120.0	0.00	0.00	120.0	-3,432.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
20" Conductor										
200.0	0.00	0.00	200.0	-3,352.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
300.0	0.00	0.00	300.0	-3,252.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
400.0	0.00	0.00	400.0	-3,152.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
500.0	0.00	0.00	500.0	-3,052.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
600.0	0.00	0.00	600.0	-2,952.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
700.0	0.00	0.00	700.0	-2,852.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
800.0	0.00	0.00	800.0	-2,752.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
900.0	0.00	0.00	900.0	-2,652.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
1,000.0	0.00	0.00	1,000.0	-2,552.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
1,100.0	0.00	0.00	1,100.0	-2,452.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
1,200.0	0.00	0.00	1,200.0	-2,352.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
1,248.0	0.00	0.00	1,248.0	-2,304.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
Rustler										
1,300.0	0.00	0.00	1,300.0	-2,252.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
1,400.0	0.00	0.00	1,400.0	-2,152.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
1,500.0	0.00	0.00	1,500.0	-2,052.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
1,600.0	0.00	0.00	1,600.0	-1,952.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
10 3/4" Surface Casing										
1,645.0	0.00	0.00	1,645.0	-1,907.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
Salado										
1,700.0	0.00	0.00	1,700.0	-1,852.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
1,800.0	0.00	0.00	1,800.0	-1,752.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
1,900.0	0.00	0.00	1,900.0	-1,652.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00

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Site:	Bell Lake Unit North 420H	**MD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Well:	Bell Lake Unit North 420H	**North Reference:**	Grid
Wellbore:	Bell Lake Unit North 420H	**Survey Calculation Method:**	Minimum Curvature
Design:	191213 Bell Lake Unit North 420H	**Database:**	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
1,972.0	0.00	0.00	1,972.0	-1,580.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
Top of Salt										
2,000.0	0.00	0.00	2,000.0	-1,552.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
2,100.0	0.00	0.00	2,100.0	-1,452.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
2,200.0	0.00	0.00	2,200.0	-1,352.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
2,300.0	0.00	0.00	2,300.0	-1,252.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
2,400.0	0.00	0.00	2,400.0	-1,152.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
2,500.0	0.00	0.00	2,500.0	-1,052.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
2,600.0	0.00	0.00	2,600.0	-952.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
2,700.0	0.00	0.00	2,700.0	-852.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
2,800.0	0.00	0.00	2,800.0	-752.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
2,900.0	0.00	0.00	2,900.0	-652.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
3,000.0	0.00	0.00	3,000.0	-552.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
3,100.0	0.00	0.00	3,100.0	-452.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
3,200.0	0.00	0.00	3,200.0	-352.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
3,300.0	0.00	0.00	3,300.0	-252.2	0.0	0.0	747,225.88	485,737.20	0.00	0.00
Start Build 3.00										
3,400.0	3.00	109.12	3,400.0	-152.2	-0.9	2.5	747,228.35	485,736.34	-0.61	3.00
3,500.0	6.00	109.12	3,499.6	-52.6	-3.4	9.9	747,235.77	485,733.77	-2.42	3.00
3,500.4	6.01	109.12	3,500.0	-52.2	-3.4	9.9	747,235.80	485,733.76	-2.43	3.00
Start 8026.9 hold at 3500.4 MD										
3,600.0	6.01	109.12	3,599.1	46.9	-6.9	19.8	747,245.66	485,730.34	-4.84	0.00
3,700.0	6.01	109.12	3,698.5	146.3	-10.3	29.7	747,255.55	485,726.91	-7.26	0.00
3,800.0	6.01	109.12	3,798.0	245.8	-13.7	39.6	747,265.45	485,723.48	-9.69	0.00
3,900.0	6.01	109.12	3,897.4	345.2	-17.1	49.5	747,275.34	485,720.05	-12.11	0.00
4,000.0	6.01	109.12	3,996.9	444.7	-20.6	59.4	747,285.24	485,716.62	-14.53	0.00
4,100.0	6.01	109.12	4,096.3	544.1	-24.0	69.3	747,295.13	485,713.19	-16.95	0.00

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Wellbore:	Bell Lake Unit North 420H	**Survey Calculation Method:**	Minimum Curvature
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Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
4,200.0	6.01	109.12	4,195.8	643.6	-27.4	79.1	747,305.02	485,709.76	-19.38	0.00
4,300.0	6.01	109.12	4,295.2	743.0	-30.9	89.0	747,314.92	485,706.33	-21.80	0.00
4,400.0	6.01	109.12	4,394.7	842.5	-34.3	98.9	747,324.81	485,702.90	-24.22	0.00
4,500.0	6.01	109.12	4,494.1	941.9	-37.7	108.8	747,334.71	485,699.47	-26.64	0.00
4,600.0	6.01	109.12	4,593.6	1,041.4	-41.2	118.7	747,344.60	485,696.04	-29.06	0.00
4,700.0	6.01	109.12	4,693.0	1,140.8	-44.6	128.6	747,354.50	485,692.61	-31.49	0.00
4,800.0	6.01	109.12	4,792.5	1,240.3	-48.0	138.5	747,364.39	485,689.18	-33.91	0.00
4,900.0	6.01	109.12	4,891.9	1,339.7	-51.5	148.4	747,374.28	485,685.75	-36.33	0.00
4,980.5	6.01	109.12	4,972.0	1,419.8	-54.2	156.4	747,382.25	485,682.99	-38.28	0.00
Base of Salt										
5,000.0	6.01	109.12	4,991.4	1,439.2	-54.9	158.3	747,384.18	485,682.32	-38.75	0.00
5,100.0	6.01	109.12	5,090.8	1,538.6	-58.3	168.2	747,394.07	485,678.89	-41.18	0.00
5,200.0	6.01	109.12	5,190.3	1,638.1	-61.7	178.1	747,403.97	485,675.46	-43.60	0.00
5,231.9	6.01	109.12	5,222.0	1,669.8	-62.8	181.2	747,407.12	485,674.36	-44.37	0.00
Lamar										
5,300.0	6.01	109.12	5,289.7	1,737.5	-65.2	188.0	747,413.86	485,672.03	-46.02	0.00
5,400.0	6.01	109.12	5,389.2	1,837.0	-68.6	197.9	747,423.76	485,668.60	-48.44	0.00
5,500.0	6.01	109.12	5,488.6	1,936.4	-72.0	207.8	747,433.65	485,665.17	-50.87	0.00
5,533.5	6.01	109.12	5,522.0	1,969.8	-73.2	211.1	747,436.97	485,664.02	-51.68	0.00
Bell Canyon										
5,600.0	6.01	109.12	5,588.1	2,035.9	-75.5	217.7	747,443.54	485,661.74	-53.29	0.00
5,700.0	6.01	109.12	5,687.5	2,135.3	-78.9	227.6	747,453.44	485,658.31	-55.71	0.00
5,800.0	6.01	109.12	5,787.0	2,234.8	-82.3	237.5	747,463.33	485,654.88	-58.13	0.00
5,900.0	6.01	109.12	5,886.4	2,334.2	-85.8	247.3	747,473.23	485,651.45	-60.55	0.00
6,000.0	6.01	109.12	5,985.9	2,433.7	-89.2	257.2	747,483.12	485,648.02	-62.98	0.00
6,100.0	6.01	109.12	6,085.3	2,533.1	-92.6	267.1	747,493.02	485,644.59	-65.40	0.00
6,200.0	6.01	109.12	6,184.8	2,632.6	-96.0	277.0	747,502.91	485,641.15	-67.82	0.00

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6,300.0	6.01	109.12	6,284.2	2,732.0	-99.5	286.9	747,512.80	485,637.72	-70.24	0.00
6,400.0	6.01	109.12	6,383.7	2,831.5	-102.9	296.8	747,522.70	485,634.29	-72.67	0.00
6,500.0	6.01	109.12	6,483.1	2,930.9	-106.3	306.7	747,532.59	485,630.86	-75.09	0.00
6,600.0	6.01	109.12	6,582.6	3,030.4	-109.8	316.6	747,542.49	485,627.43	-77.51	0.00
6,700.0	6.01	109.12	6,682.0	3,129.8	-113.2	326.5	747,552.38	485,624.00	-79.93	0.00
6,740.2	6.01	109.12	6,722.0	3,169.8	-114.6	330.5	747,556.36	485,622.62	-80.91	0.00
Cherry Canyon										
6,800.0	6.01	109.12	6,781.5	3,229.3	-116.6	336.4	747,562.28	485,620.57	-82.35	0.00
6,900.0	6.01	109.12	6,880.9	3,328.7	-120.1	346.3	747,572.17	485,617.14	-84.78	0.00
7,000.0	6.01	109.12	6,980.4	3,428.2	-123.5	356.2	747,582.06	485,613.71	-87.20	0.00
7,100.0	6.01	109.12	7,079.8	3,527.6	-126.9	366.1	747,591.96	485,610.28	-89.62	0.00
7,200.0	6.01	109.12	7,179.3	3,627.1	-130.3	376.0	747,601.85	485,606.85	-92.04	0.00
7,300.0	6.01	109.12	7,278.7	3,726.5	-133.8	385.9	747,611.75	485,603.42	-94.47	0.00
7,400.0	6.01	109.12	7,378.2	3,826.0	-137.2	395.8	747,621.64	485,599.99	-96.89	0.00
7,500.0	6.01	109.12	7,477.6	3,925.4	-140.6	405.7	747,631.54	485,596.56	-99.31	0.00
7,600.0	6.01	109.12	7,577.1	4,024.9	-144.1	415.5	747,641.43	485,593.13	-101.73	0.00
7,700.0	6.01	109.12	7,676.5	4,124.3	-147.5	425.4	747,651.32	485,589.70	-104.16	0.00
7,800.0	6.01	109.12	7,776.0	4,223.8	-150.9	435.3	747,661.22	485,586.27	-106.58	0.00
7,900.0	6.01	109.12	7,875.4	4,323.2	-154.4	445.2	747,671.11	485,582.84	-109.00	0.00
8,000.0	6.01	109.12	7,974.9	4,422.7	-157.8	455.1	747,681.01	485,579.41	-111.42	0.00
8,100.0	6.01	109.12	8,074.3	4,522.1	-161.2	465.0	747,690.90	485,575.98	-113.84	0.00
8,200.0	6.01	109.12	8,173.8	4,621.6	-164.7	474.9	747,700.80	485,572.55	-116.27	0.00
8,300.0	6.01	109.12	8,273.2	4,721.0	-168.1	484.8	747,710.69	485,569.12	-118.69	0.00
8,400.0	6.01	109.12	8,372.7	4,820.5	-171.5	494.7	747,720.58	485,565.69	-121.11	0.00
8,450.6	6.01	109.12	8,423.0	4,870.8	-173.2	499.7	747,725.59	485,563.95	-122.34	0.00
Brushy Canyon										
8,500.0	6.01	109.12	8,472.1	4,919.9	-174.9	504.6	747,730.48	485,562.26	-123.53	0.00

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8,600.0	6.01	109.12	8,571.6	5,019.4	-178.4	514.5	747,740.37	485,558.83	-125.96	0.00
8,675.8	6.01	109.12	8,647.0	5,094.8	-181.0	522.0	747,747.87	485,556.23	-127.79	0.00
Bone Spring										
8,700.0	6.01	109.12	8,671.0	5,118.8	-181.8	524.4	747,750.27	485,555.40	-128.38	0.00
8,800.0	6.01	109.12	8,770.5	5,218.3	-185.2	534.3	747,760.16	485,551.97	-130.80	0.00
8,900.0	6.01	109.12	8,869.9	5,317.7	-188.7	544.2	747,770.06	485,548.54	-133.22	0.00
9,000.0	6.01	109.12	8,969.4	5,417.2	-192.1	554.1	747,779.95	485,545.11	-135.64	0.00
9,040.8	6.01	109.12	9,010.0	5,457.8	-193.5	558.1	747,783.99	485,543.71	-136.63	0.00
Avalon										
9,100.0	6.01	109.12	9,068.8	5,516.6	-195.5	564.0	747,789.84	485,541.68	-138.07	0.00
9,200.0	6.01	109.12	9,168.3	5,616.1	-199.0	573.9	747,799.74	485,538.25	-140.49	0.00
9,300.0	6.01	109.12	9,267.7	5,715.5	-202.4	583.8	747,809.63	485,534.82	-142.91	0.00
9,400.0	6.01	109.12	9,367.2	5,815.0	-205.8	593.6	747,819.53	485,531.39	-145.33	0.00
9,500.0	6.01	109.12	9,466.6	5,914.4	-209.2	603.5	747,829.42	485,527.95	-147.76	0.00
9,600.0	6.01	109.12	9,566.1	6,013.9	-212.7	613.4	747,839.31	485,524.52	-150.18	0.00
9,700.0	6.01	109.12	9,665.5	6,113.3	-216.1	623.3	747,849.21	485,521.09	-152.60	0.00
9,800.0	6.01	109.12	9,765.0	6,212.8	-219.5	633.2	747,859.10	485,517.66	-155.02	0.00
9,900.0	6.01	109.12	9,864.4	6,312.2	-223.0	643.1	747,869.00	485,514.23	-157.45	0.00
10,000.0	6.01	109.12	9,963.9	6,411.7	-226.4	653.0	747,878.89	485,510.80	-159.87	0.00
10,034.3	6.01	109.12	9,998.0	6,445.8	-227.6	656.4	747,882.28	485,509.63	-160.70	0.00
1st BS Sand										
10,100.0	6.01	109.12	10,063.3	6,511.1	-229.8	662.9	747,888.79	485,507.37	-162.29	0.00
10,200.0	6.01	109.12	10,162.8	6,610.6	-233.3	672.8	747,898.68	485,503.94	-164.71	0.00
10,300.0	6.01	109.12	10,262.2	6,710.0	-236.7	682.7	747,908.57	485,500.51	-167.13	0.00
10,400.0	6.01	109.12	10,361.7	6,809.5	-240.1	692.6	747,918.47	485,497.08	-169.56	0.00
10,500.0	6.01	109.12	10,461.1	6,908.9	-243.5	702.5	747,928.36	485,493.65	-171.98	0.00
10,562.2	6.01	109.12	10,523.0	6,970.8	-245.7	708.6	747,934.52	485,491.52	-173.49	0.00
2nd BS Sand										

Company:	Kaiser Francis	**Local Co-ordinate Reference:**	Well Bell Lake Unit North 420H
Project:	Bell Lake Unit North 420H	**TVD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Site:	Bell Lake Unit North 420H	**MD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Well:	Bell Lake Unit North 420H	**North Reference:**	Grid
Wellbore:	Bell Lake Unit North 420H	**Survey Calculation Method:**	Minimum Curvature
Design:	191213 Bell Lake Unit North 420H	**Database:**	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
10,600.0	6.01	109.12	10,560.6	7,008.4	-247.0	712.4	747,938.26	485,490.22	-174.40	0.00
10,700.0	6.01	109.12	10,660.0	7,107.8	-250.4	722.3	747,948.15	485,486.79	-176.82	0.00
10,800.0	6.01	109.12	10,759.5	7,207.3	-253.8	732.2	747,958.05	485,483.36	-179.25	0.00
10,900.0	6.01	109.12	10,858.9	7,306.7	-257.3	742.1	747,967.94	485,479.93	-181.67	0.00
11,000.0	6.01	109.12	10,958.4	7,406.2	-260.7	752.0	747,977.83	485,476.50	-184.09	0.00
11,090.1	6.01	109.12	11,048.0	7,495.8	-263.8	760.9	747,986.75	485,473.41	-186.27	0.00
3rd BS Lime										
11,100.0	6.01	109.12	11,057.8	7,505.6	-264.1	761.8	747,987.73	485,473.07	-186.51	0.00
11,200.0	6.01	109.12	11,157.3	7,605.1	-267.6	771.7	747,997.62	485,469.64	-188.93	0.00
11,300.0	6.01	109.12	11,256.7	7,704.5	-271.0	781.6	748,007.52	485,466.21	-191.36	0.00
11,400.0	6.01	109.12	11,356.2	7,804.0	-274.4	791.5	748,017.41	485,462.78	-193.78	0.00
11,421.9	6.01	109.12	11,378.0	7,825.8	-275.2	793.7	748,019.58	485,462.03	-194.31	0.00
7 5/8" Intermediate Casing										
11,500.0	6.01	109.12	11,455.6	7,903.4	-277.9	801.4	748,027.31	485,459.35	-196.20	0.00
11,527.3	6.01	109.12	11,482.8	7,930.6	-278.8	804.1	748,030.00	485,458.41	-196.86	0.00
Start DLS 10.00 TFO -109.54										
11,600.0	7.72	46.50	11,555.1	8,002.9	-276.7	811.3	748,037.16	485,460.53	-194.04	10.00
11,618.1	9.05	38.00	11,573.0	8,020.8	-274.7	813.0	748,038.92	485,462.49	-191.91	10.00
3rd BS Sand										
11,700.0	16.25	19.38	11,652.9	8,100.7	-258.8	820.8	748,046.69	485,478.40	-175.30	10.00
11,800.0	25.84	11.30	11,746.1	8,193.9	-224.1	829.7	748,055.63	485,513.06	-139.93	10.00
11,900.0	35.65	7.43	11,832.0	8,279.8	-173.7	837.8	748,063.69	485,563.46	-88.97	10.00
11,952.3	40.81	6.08	11,873.0	8,320.8	-141.6	841.6	748,067.47	485,595.57	-56.64	10.00
Wolfcamp										
12,000.0	45.53	5.07	11,907.8	8,355.6	-109.1	844.7	748,070.63	485,628.06	-24.00	10.00
12,100.0	55.45	3.40	11,971.3	8,419.1	-32.3	850.4	748,076.24	485,704.90	53.02	10.00
12,200.0	65.38	2.09	12,020.7	8,468.5	54.5	854.5	748,080.35	485,791.66	139.75	10.00
12,300.0	75.33	0.97	12,054.2	8,502.0	148.5	857.0	748,082.83	485,885.69	233.55	10.00

Company:	Kaiser Francis	**Local Co-ordinate Reference:**	Well Bell Lake Unit North 420H
Project:	Bell Lake Unit North 420H	**TVD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Site:	Bell Lake Unit North 420H	**MD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Well:	Bell Lake Unit North 420H	**North Reference:**	Grid
Wellbore:	Bell Lake Unit North 420H	**Survey Calculation Method:**	Minimum Curvature
Design:	191213 Bell Lake Unit North 420H	**Database:**	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
12,400.0	85.28	359.95	12,071.0	8,518.8	246.9	857.7	748,083.61	485,984.13	331.58	10.00
12,447.4	90.00	359.48	12,073.0	8,520.8	294.3	857.5	748,083.38	486,031.52	378.71	10.00
Start 7550.4 hold at 12447.4 MD										
12,500.0	90.00	359.48	12,073.0	8,520.8	346.9	857.0	748,082.91	486,084.07	430.95	0.00
12,600.0	90.00	359.48	12,073.0	8,520.8	446.9	856.1	748,082.01	486,184.07	530.36	0.00
12,700.0	90.00	359.48	12,073.0	8,520.8	546.9	855.2	748,081.11	486,284.07	629.76	0.00
12,800.0	90.00	359.48	12,073.0	8,520.8	646.9	854.3	748,080.20	486,384.06	729.16	0.00
12,900.0	90.00	359.48	12,073.0	8,520.8	746.9	853.4	748,079.30	486,484.06	828.56	0.00
13,000.0	90.00	359.48	12,073.0	8,520.8	846.9	852.5	748,078.40	486,584.05	927.97	0.00
13,100.0	90.00	359.48	12,073.0	8,520.8	946.9	851.6	748,077.50	486,684.05	1,027.37	0.00
13,200.0	90.00	359.48	12,073.0	8,520.8	1,046.8	850.7	748,076.60	486,784.05	1,126.77	0.00
13,300.0	90.00	359.48	12,073.0	8,520.8	1,146.8	849.8	748,075.70	486,884.04	1,226.18	0.00
13,400.0	90.00	359.48	12,073.0	8,520.8	1,246.8	848.9	748,074.80	486,984.04	1,325.58	0.00
13,500.0	90.00	359.48	12,073.0	8,520.8	1,346.8	848.0	748,073.90	487,084.03	1,424.98	0.00
13,600.0	90.00	359.48	12,073.0	8,520.8	1,446.8	847.1	748,073.00	487,184.03	1,524.39	0.00
13,700.0	90.00	359.48	12,073.0	8,520.8	1,546.8	846.2	748,072.10	487,284.03	1,623.79	0.00
13,800.0	90.00	359.48	12,073.0	8,520.8	1,646.8	845.3	748,071.20	487,384.02	1,723.19	0.00
13,900.0	90.00	359.48	12,073.0	8,520.8	1,746.8	844.4	748,070.30	487,484.02	1,822.60	0.00
14,000.0	90.00	359.48	12,073.0	8,520.8	1,846.8	843.5	748,069.40	487,584.01	1,922.00	0.00
14,100.0	90.00	359.48	12,073.0	8,520.8	1,946.8	842.6	748,068.49	487,684.01	2,021.40	0.00
14,200.0	90.00	359.48	12,073.0	8,520.8	2,046.8	841.7	748,067.59	487,784.01	2,120.80	0.00
14,300.0	90.00	359.48	12,073.0	8,520.8	2,146.8	840.8	748,066.69	487,884.00	2,220.21	0.00
14,400.0	90.00	359.48	12,073.0	8,520.8	2,246.8	839.9	748,065.79	487,984.00	2,319.61	0.00
14,500.0	90.00	359.48	12,073.0	8,520.8	2,346.8	839.0	748,064.89	488,083.99	2,419.01	0.00
14,600.0	90.00	359.48	12,073.0	8,520.8	2,446.8	838.1	748,063.99	488,183.99	2,518.42	0.00
14,700.0	90.00	359.48	12,073.0	8,520.8	2,546.8	837.2	748,063.09	488,283.99	2,617.82	0.00
14,800.0	90.00	359.48	12,073.0	8,520.8	2,646.8	836.3	748,062.19	488,383.98	2,717.22	0.00

Company:	Kaiser Francis	**Local Co-ordinate Reference:**	Well Bell Lake Unit North 420H
Project:	Bell Lake Unit North 420H	**TVD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Site:	Bell Lake Unit North 420H	**MD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Well:	Bell Lake Unit North 420H	**North Reference:**	Grid
Wellbore:	Bell Lake Unit North 420H	**Survey Calculation Method:**	Minimum Curvature
Design:	191213 Bell Lake Unit North 420H	**Database:**	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
14,900.0	90.00	359.48	12,073.0	8,520.8	2,746.8	835.4	748,061.29	488,483.98	2,816.63	0.00
15,000.0	90.00	359.48	12,073.0	8,520.8	2,846.8	834.5	748,060.39	488,583.97	2,916.03	0.00
15,100.0	90.00	359.48	12,073.0	8,520.8	2,946.8	833.6	748,059.49	488,683.97	3,015.43	0.00
15,200.0	90.00	359.48	12,073.0	8,520.8	3,046.8	832.7	748,058.59	488,783.96	3,114.84	0.00
15,300.0	90.00	359.48	12,073.0	8,520.8	3,146.8	831.8	748,057.69	488,883.96	3,214.24	0.00
15,400.0	90.00	359.48	12,073.0	8,520.8	3,246.8	830.9	748,056.78	488,983.96	3,313.64	0.00
15,500.0	90.00	359.48	12,073.0	8,520.8	3,346.8	830.0	748,055.88	489,083.95	3,413.05	0.00
15,600.0	90.00	359.48	12,073.0	8,520.8	3,446.7	829.1	748,054.98	489,183.95	3,512.45	0.00
15,700.0	90.00	359.48	12,073.0	8,520.8	3,546.7	828.2	748,054.08	489,283.94	3,611.85	0.00
15,800.0	90.00	359.48	12,073.0	8,520.8	3,646.7	827.3	748,053.18	489,383.94	3,711.25	0.00
15,900.0	90.00	359.48	12,073.0	8,520.8	3,746.7	826.4	748,052.28	489,483.94	3,810.66	0.00
16,000.0	90.00	359.48	12,073.0	8,520.8	3,846.7	825.5	748,051.38	489,583.93	3,910.06	0.00
16,100.0	90.00	359.48	12,073.0	8,520.8	3,946.7	824.6	748,050.48	489,683.93	4,009.46	0.00
16,200.0	90.00	359.48	12,073.0	8,520.8	4,046.7	823.7	748,049.58	489,783.92	4,108.87	0.00
16,300.0	90.00	359.48	12,073.0	8,520.8	4,146.7	822.8	748,048.68	489,883.92	4,208.27	0.00
16,400.0	90.00	359.48	12,073.0	8,520.8	4,246.7	821.9	748,047.78	489,983.92	4,307.67	0.00
16,500.0	90.00	359.48	12,073.0	8,520.8	4,346.7	821.0	748,046.88	490,083.91	4,407.08	0.00
16,600.0	90.00	359.48	12,073.0	8,520.8	4,446.7	820.1	748,045.98	490,183.91	4,506.48	0.00
16,700.0	90.00	359.48	12,073.0	8,520.8	4,546.7	819.2	748,045.08	490,283.90	4,605.88	0.00
16,800.0	90.00	359.48	12,073.0	8,520.8	4,646.7	818.3	748,044.17	490,383.90	4,705.29	0.00
16,900.0	90.00	359.48	12,073.0	8,520.8	4,746.7	817.4	748,043.27	490,483.90	4,804.69	0.00
17,000.0	90.00	359.48	12,073.0	8,520.8	4,846.7	816.5	748,042.37	490,583.89	4,904.09	0.00
17,100.0	90.00	359.48	12,073.0	8,520.8	4,946.7	815.6	748,041.47	490,683.89	5,003.50	0.00
17,200.0	90.00	359.48	12,073.0	8,520.8	5,046.7	814.7	748,040.57	490,783.88	5,102.90	0.00
17,300.0	90.00	359.48	12,073.0	8,520.8	5,146.7	813.8	748,039.67	490,883.88	5,202.30	0.00
17,400.0	90.00	359.48	12,073.0	8,520.8	5,246.7	812.9	748,038.77	490,983.88	5,301.70	0.00
17,500.0	90.00	359.48	12,073.0	8,520.8	5,346.7	812.0	748,037.87	491,083.87	5,401.11	0.00

Company:	Kaiser Francis	**Local Co-ordinate Reference:**	Well Bell Lake Unit North 420H
Project:	Bell Lake Unit North 420H	**TVD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Site:	Bell Lake Unit North 420H	**MD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Well:	Bell Lake Unit North 420H	**North Reference:**	Grid
Wellbore:	Bell Lake Unit North 420H	**Survey Calculation Method:**	Minimum Curvature
Design:	191213 Bell Lake Unit North 420H	**Database:**	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
17,600.0	90.00	359.48	12,073.0	8,520.8	5,446.7	811.1	748,036.97	491,183.87	5,500.51	0.00
17,700.0	90.00	359.48	12,073.0	8,520.8	5,546.7	810.2	748,036.07	491,283.86	5,599.91	0.00
17,800.0	90.00	359.48	12,073.0	8,520.8	5,646.7	809.3	748,035.17	491,383.86	5,699.32	0.00
17,900.0	90.00	359.48	12,073.0	8,520.8	5,746.7	808.4	748,034.27	491,483.86	5,798.72	0.00
18,000.0	90.00	359.48	12,073.0	8,520.8	5,846.7	807.5	748,033.37	491,583.85	5,898.12	0.00
18,100.0	90.00	359.48	12,073.0	8,520.8	5,946.6	806.6	748,032.46	491,683.85	5,997.53	0.00
18,200.0	90.00	359.48	12,073.0	8,520.8	6,046.6	805.7	748,031.56	491,783.84	6,096.93	0.00
18,300.0	90.00	359.48	12,073.0	8,520.8	6,146.6	804.8	748,030.66	491,883.84	6,196.33	0.00
18,400.0	90.00	359.48	12,073.0	8,520.8	6,246.6	803.9	748,029.76	491,983.84	6,295.74	0.00
18,500.0	90.00	359.48	12,073.0	8,520.8	6,346.6	803.0	748,028.86	492,083.83	6,395.14	0.00
18,600.0	90.00	359.48	12,073.0	8,520.8	6,446.6	802.1	748,027.96	492,183.83	6,494.54	0.00
18,700.0	90.00	359.48	12,073.0	8,520.8	6,546.6	801.2	748,027.06	492,283.82	6,593.95	0.00
18,800.0	90.00	359.48	12,073.0	8,520.8	6,646.6	800.3	748,026.16	492,383.82	6,693.35	0.00
18,900.0	90.00	359.48	12,073.0	8,520.8	6,746.6	799.4	748,025.26	492,483.81	6,792.75	0.00
19,000.0	90.00	359.48	12,073.0	8,520.8	6,846.6	798.5	748,024.36	492,583.81	6,892.15	0.00
19,100.0	90.00	359.48	12,073.0	8,520.8	6,946.6	797.6	748,023.46	492,683.81	6,991.56	0.00
19,200.0	90.00	359.48	12,073.0	8,520.8	7,046.6	796.7	748,022.56	492,783.80	7,090.96	0.00
19,300.0	90.00	359.48	12,073.0	8,520.8	7,146.6	795.8	748,021.66	492,883.80	7,190.36	0.00
19,400.0	90.00	359.48	12,073.0	8,520.8	7,246.6	794.9	748,020.75	492,983.79	7,289.77	0.00
19,500.0	90.00	359.48	12,073.0	8,520.8	7,346.6	794.0	748,019.85	493,083.79	7,389.17	0.00
19,600.0	90.00	359.48	12,073.0	8,520.8	7,446.6	793.1	748,018.95	493,183.79	7,488.57	0.00
19,700.0	90.00	359.48	12,073.0	8,520.8	7,546.6	792.2	748,018.05	493,283.78	7,587.98	0.00
19,800.0	90.00	359.48	12,073.0	8,520.8	7,646.6	791.3	748,017.15	493,383.78	7,687.38	0.00
19,900.0	90.00	359.48	12,073.0	8,520.8	7,746.6	790.4	748,016.25	493,483.77	7,786.78	0.00
19,997.8	90.00	359.48	12,073.0	8,520.8	7,844.4	789.5	748,015.37	493,581.57	7,884.00	0.00
TD at 19997.8 - 5 1/2" Production Casing										

Company:	Kaiser Francis	**Local Co-ordinate Reference:**	Well Bell Lake Unit North 420H
Project:	Bell Lake Unit North 420H	**TVD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Site:	Bell Lake Unit North 420H	**MD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Well:	Bell Lake Unit North 420H	**North Reference:**	Grid
Wellbore:	Bell Lake Unit North 420H	**Survey Calculation Method:**	Minimum Curvature
Design:	191213 Bell Lake Unit North 420H	**Database:**	EDM 5000.1 Single User Db

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
120.0	120.0	20" Conductor	20	26
1,600.0	1,600.0	10 3/4" Surface Casing	10-3/4	12-1/4
11,421.9	11,378.0	7 5/8" Intermediate Casing	7-5/8	9-7/8
19,997.8	12,073.0	5 1/2" Production Casing	5-1/2	6-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
10,034.3	9,998.0	1st BS Sand		0.00	
10,562.2	10,523.0	2nd BS Sand		0.00	
8,450.6	8,423.0	Brushy Canyon		0.00	
4,980.5	4,972.0	Base of Salt		0.00	
6,740.2	6,722.0	Cherry Canyon		0.00	
11,618.1	11,573.0	3rd BS Sand		0.00	
9,040.8	9,010.0	Avalon		0.00	
1,645.0	1,645.0	Salado		0.00	
5,231.9	5,222.0	Lamar		0.00	
11,090.1	11,048.0	3rd BS Lime		0.00	
1,248.0	1,248.0	Rustler		0.00	
11,952.3	11,873.0	Wolfcamp		0.00	
8,675.8	8,647.0	Bone Spring		0.00	
1,972.0	1,972.0	Top of Salt		0.00	
5,533.5	5,522.0	Bell Canyon		0.00	

Company:	Kaiser Francis	**Local Co-ordinate Reference:**	Well Bell Lake Unit North 420H
Project:	Bell Lake Unit North 420H	**TVD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Site:	Bell Lake Unit North 420H	**MD Reference:**	WELL @ 3552.2usft (Original Well Elev)
Well:	Bell Lake Unit North 420H	**North Reference:**	Grid
Wellbore:	Bell Lake Unit North 420H	**Survey Calculation Method:**	Minimum Curvature
Design:	191213 Bell Lake Unit North 420H	**Database:**	EDM 5000.1 Single User Db

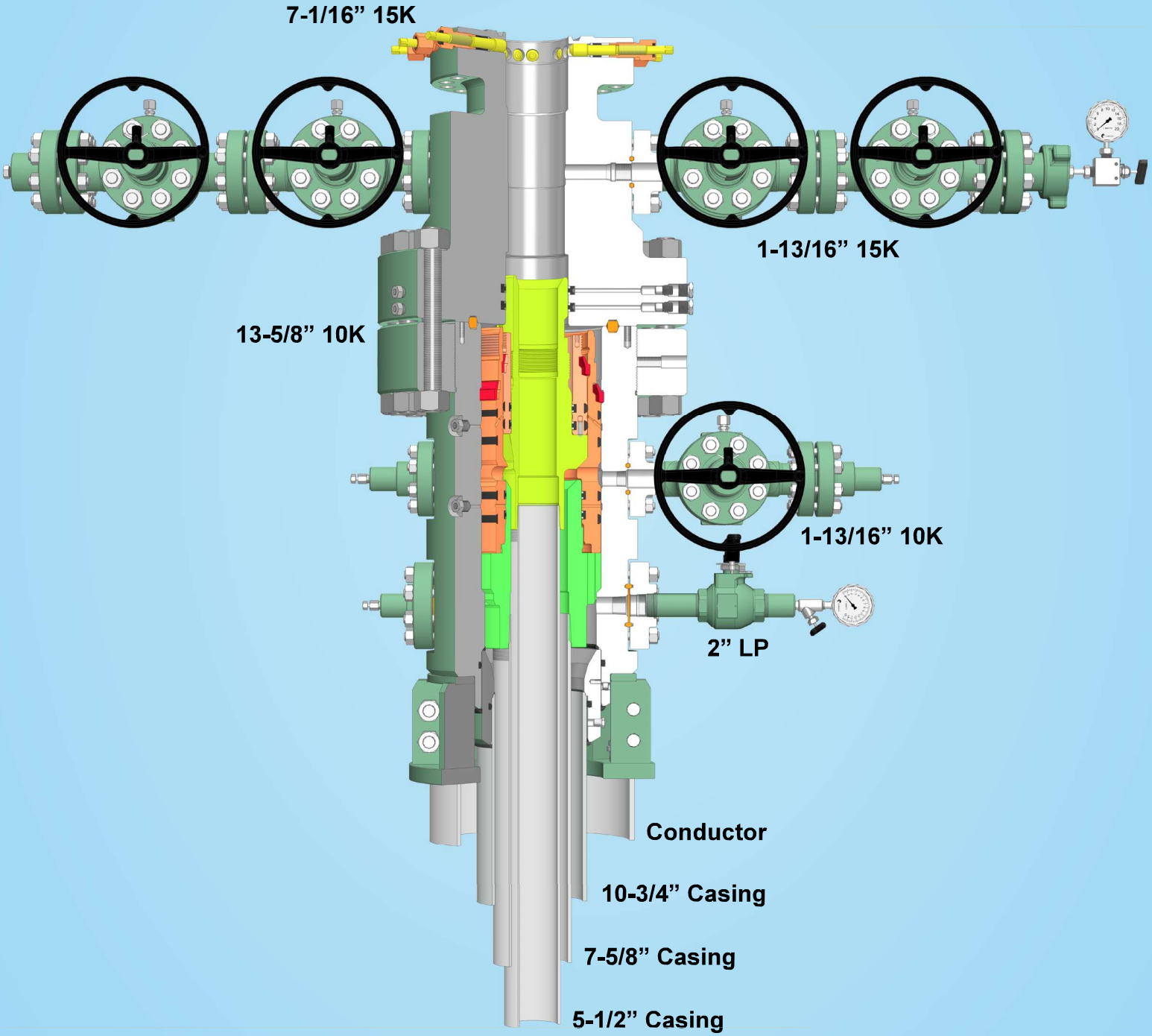
Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
3,300.0	3,300.0	0.0	0.0	Start Build 3.00
3,500.4	3,500.0	-3.4	9.9	Start 8026.9 hold at 3500.4 MD
11,527.3	11,482.8	-278.8	804.1	Start DLS 10.00 TFO -109.54
12,447.4	12,073.0	294.3	857.5	Start 7550.4 hold at 12447.4 MD
19,997.8	12,073.0	7,844.4	789.5	TD at 19997.8

Checked By: _____ Approved By: _____ Date: _____

CAMERON
A Schlumberger Company

13-5/8” 10K MN-DS Wellhead



Kaiser-Francis Oil Company

1678248

NOTE: All dimensions on this drawing are estimated measurements and should be evaluated by engineering.

COPPER STATE RUBBER

14141 S WAYSIDE DR.
HOUSTON, TEXAS 77048
TEL: (713) 644-1491
FAX: (713) 644-9830

WARRANTY TERMS AND CONDITONS

COPPER STATE RUBBER DRILLING HOSES ARE GUARANTEED FOR THE PERIOD OF 12 MONTHS (FROM DATE OF FIRST SERVICE) TO BE FREE FROM DEFECTS IN MATERIALS AND/OR WORKMANSHIP.

IN ORDER TO ESTABLISH A VALID WARRANTY CLAIM, CUSTOMER MUST GIVE NOTICE TO COPPER STATE RUBBER WITHIN 10 DAYS AFTER DISCOVERING THE DEFECT. WE WILL ADVISE IF HOSE SHOULD BE RETURNED TO FACTORY FOR INSPECTION (FREIGHT PREPAID). IF COPPER STATE DETERMINES HOSE TO BE DEFECTIVE, COPPER STATE WILL REPAIR OR REPLACE (AT ITS OPTION) THE HOSE IN QUESTION. ALL REPAIRS AND REPLACEMENTS WILL BE F.O.B. COPPER STATE RUBBER'S PLANT.

REMOVAL OR WELDING OF END FITTINGS WILL VOID WARRANTY

APD ID: 10400053232 **Submission Date:** 01/20/2020

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

BLUN_420H_Existing_Roads_20200114131532.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT **Row(s) Exist?** NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

BLUN_420H_1_Mile_Map_20200114131701.pdf
BLUN_420H_1_Mile_Data_20200114131918.pdf

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: Production facilities are planned for the south side of pad. Plan for initial wells: 2-1000 bbl water tanks and 5 -1000 bbl oil tanks, a temporary 6X20 horizontal 3-phase sep, a 48 X 10 3-phase sep, a 8 X 20 heater treater and a 48X 10 2-phase sep

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: Brine Water

Water source use type: INTERMEDIATE/PRODUCTION CASING

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: PRIVATE

Source transportation land ownership: STATE

Water source volume (barrels): 20000 **Source volume (acre-feet):** 2.57786193

Source volume (gal): 840000

Water source type: OTHER

Describe type: FRESH WATER

Water source use type: STIMULATION

OTHER **Describe use type:** ROAD/PAD CONSTRUCTION ANI

SURFACE CASING

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H

Water source transport method: TRUCKING

Source land ownership: PRIVATE

Source transportation land ownership: OTHER

Water source volume (barrels): 250000

Source volume (gal): 10500000

Describe transportation land ownership: Source tran
is a mixture of Federal, State and County.
Source volume (acre-feet): 32.223274

Water source and transportation map:

BLUN_Pad_1_Wtr_Source_Map_20200114115948.pdf

Water source comments: Source transportation land ownership is a mixture of Federal, State and County.

New water well? N

New Water Well Info

Well latitude: **Well Longitude:** **Well datum:**

Well target aquifer:

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Grout material: **Grout depth:**

Casing length (ft.): **Casing top depth (ft.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: On site caliche will be used for construction if sufficient. In the event insufficient quantities of caliche are available onsite, caliche will be trucked in from BLM's caliche pit in SWSW Section 22-T24-R34E or NENE Section 20-T23S-R33E.

Construction Materials source location attachment:

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H

Section 7 - Methods for Handling Waste

Waste type: GARBAGE

Waste content description: Miscellaneous trash

Amount of waste: 500 pounds

Waste disposal frequency : Weekly

Safe containment description: Trash produced during drilling and completion operations will be collected in a trash container and disposed of properly
Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: Trucked to an approved disposal facility (Sandpoint Landfill (solid materials dump) NW/4 Section 11-T21S-R28E)

Waste type: SEWAGE

Waste content description: Human waste and grey water

Amount of waste: 1000 gallons

Waste disposal frequency : Weekly

Safe containment description: Waste material will be stored safely and disposed of properly

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: Trucked to an approved disposal facility (Carlsbad sewer plant SENW Section 10-T22S-R27E)

Waste type: DRILLING

Waste content description: Drilling fluids and cuttings

Amount of waste: 3900 barrels

Waste disposal frequency : Weekly

Safe containment description: All drilling fluids will be stored safely and disposed of properly

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: Cuttings will be hauled to R360's facility located in Section 27-T20S-R32E on US 62/180 at Halfway, NM

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? Y

Description of cuttings location Cuttings will be stored in roll off bins and hauled to R360 located in Section 27-T20S-R32E on US 62/180 near Halfway.

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

BLUN_420H_Well_Site_Layout_20200120155936.pdf

BLUN_420H_Rig_Layout_20200806183825.pdf

Comments:

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: NORTH BELL LAKE UNIT

Multiple Well Pad Number: 1

Recontouring attachment:

BLUN_420H_IR_Plat_20200114132103.pdf

Drainage/Erosion control construction: During construction proper erosion control methods will be used to control erosion, runoff and siltation of the surrounding area.

Drainage/Erosion control reclamation: Proper erosion control methods will be used on the area to control erosion, runoff and siltation of the surrounding area.

Well pad proposed disturbance (acres): 6.71

Road proposed disturbance (acres): 0.097

Powerline proposed disturbance (acres): 0

Pipeline proposed disturbance (acres): 0

Other proposed disturbance (acres): 0

Total proposed disturbance: 6.807

Well pad interim reclamation (acres): 1.03

Road interim reclamation (acres): 0

Powerline interim reclamation (acres): 0

Pipeline interim reclamation (acres): 0

Other interim reclamation (acres): 0

Total interim reclamation: 1.03

Well pad long term disturbance (acres): 5.68

Road long term disturbance (acres): 0.097

Powerline long term disturbance (acres): 0

Pipeline long term disturbance (acres): 0

Other long term disturbance (acres): 0

Total long term disturbance: 5.777

Disturbance Comments:

Reconstruction method: The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during interim reclamation.

Topsoil redistribution: Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations

Soil treatment: To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

Existing Vegetation at the well pad: The historic climax plant community is a grassland dominated by black grama, dropseeds, and blue stems with sand sage and shinnery oak distributed evenly throughout. Current landscape displays mesquite, shinnery oak, yucca, desert sage, fourwing saltbush, snakeweed, and bunch grasses

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: Refer to "Existing Vegetation at the well pad'

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: Refer to "Existing Vegetation at the well pad'

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: None

Existing Vegetation Community at other disturbances attachment:

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: **Last Name:**

Phone: **Email:**

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: No invasive species present. Standard regular maintenance to maintain a clear location and road.

Weed treatment plan attachment:

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H

Monitoring plan description: Identify areas supporting weeds prior to construction; prevent the introduction and spread of weeds from construction equipment during construction; and contain weed seeds and propagules by preventing segregated topsoil from being spread to adjacent areas. No invasive species present. Standard regular maintenance to maintain a clear location and road.

Monitoring plan attachment:

Success standards: To maintain all disturbed areas as per Gold Book standards

Pit closure description: N/A

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: NM STATE LAND OFFICE, 602 N CANAL ST B, CARLSBAD, NM 88220

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Section 12 - Other Information

Right of Way needed? N **Use APD as ROW?**

ROW Type(s):

ROW Applications

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT NORTH **Well Number:** 420H

SUPO Additional Information: APD's for the Bell Lake Unit North 119H and 211H on this pad (BLUN Pad 1) are APPROVED.
Use a previously conducted onsite? Y

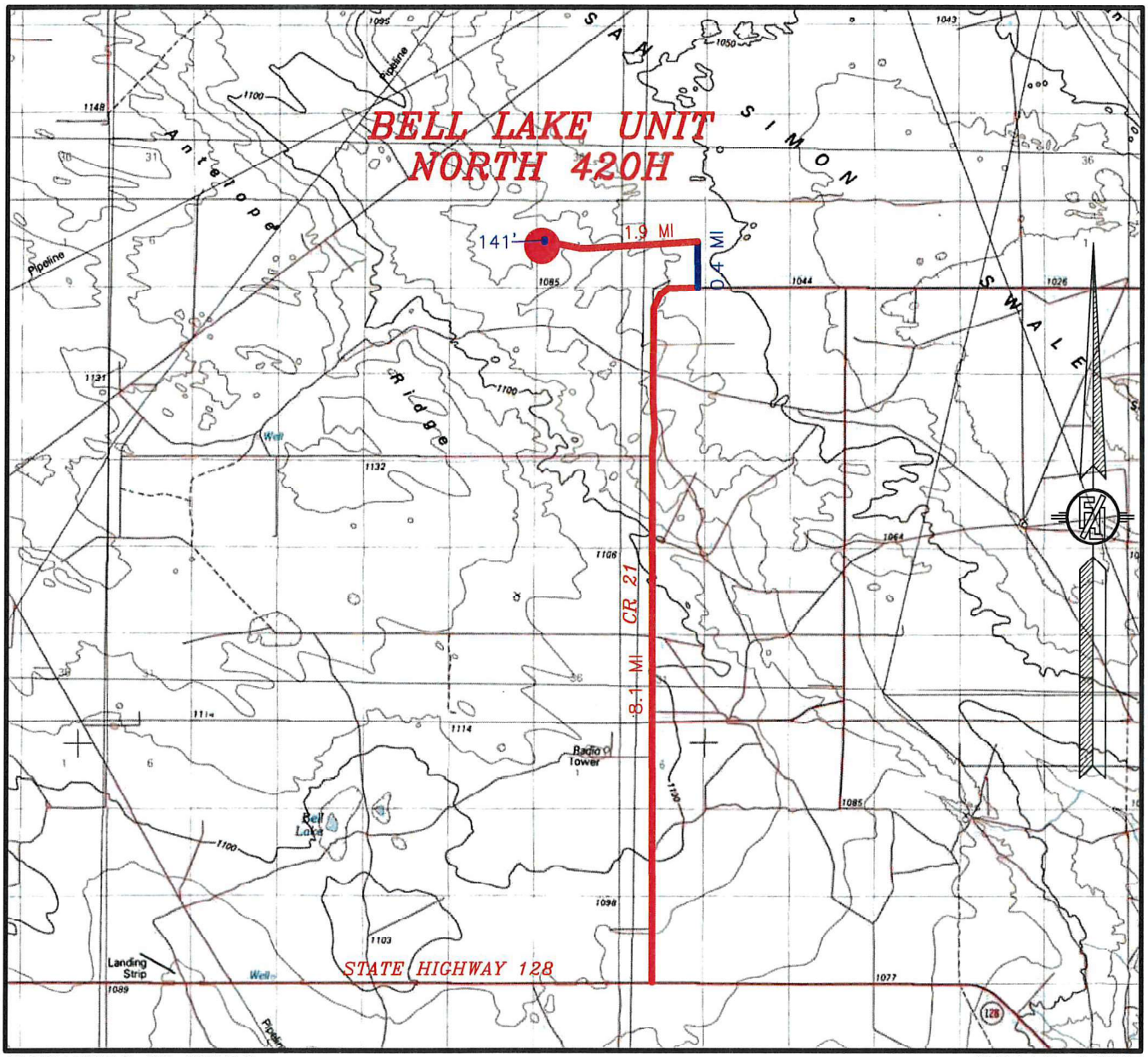
Previous Onsite information: Onsite conducted 07/20/2017 by Fernando Banos (BLM), Matt Warner & Melanie Wilson (Kaiser-Francis), Jimy Harrison (John West Surveying) and Jeff (APAC archaeologist).

Other SUPO Attachment

BELL_LAKE_UNIT_NORTH_Pad_1_SUPO_20200806183901.pdf

SECTION 1, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

KAISER-FRANCIS OIL CO.

BELL LAKE UNIT NORTH 420H

LOCATED 2388 FT. FROM THE SOUTH LINE
AND 380 FT. FROM THE WEST LINE OF
SECTION 1, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

MARCH 26, 2019

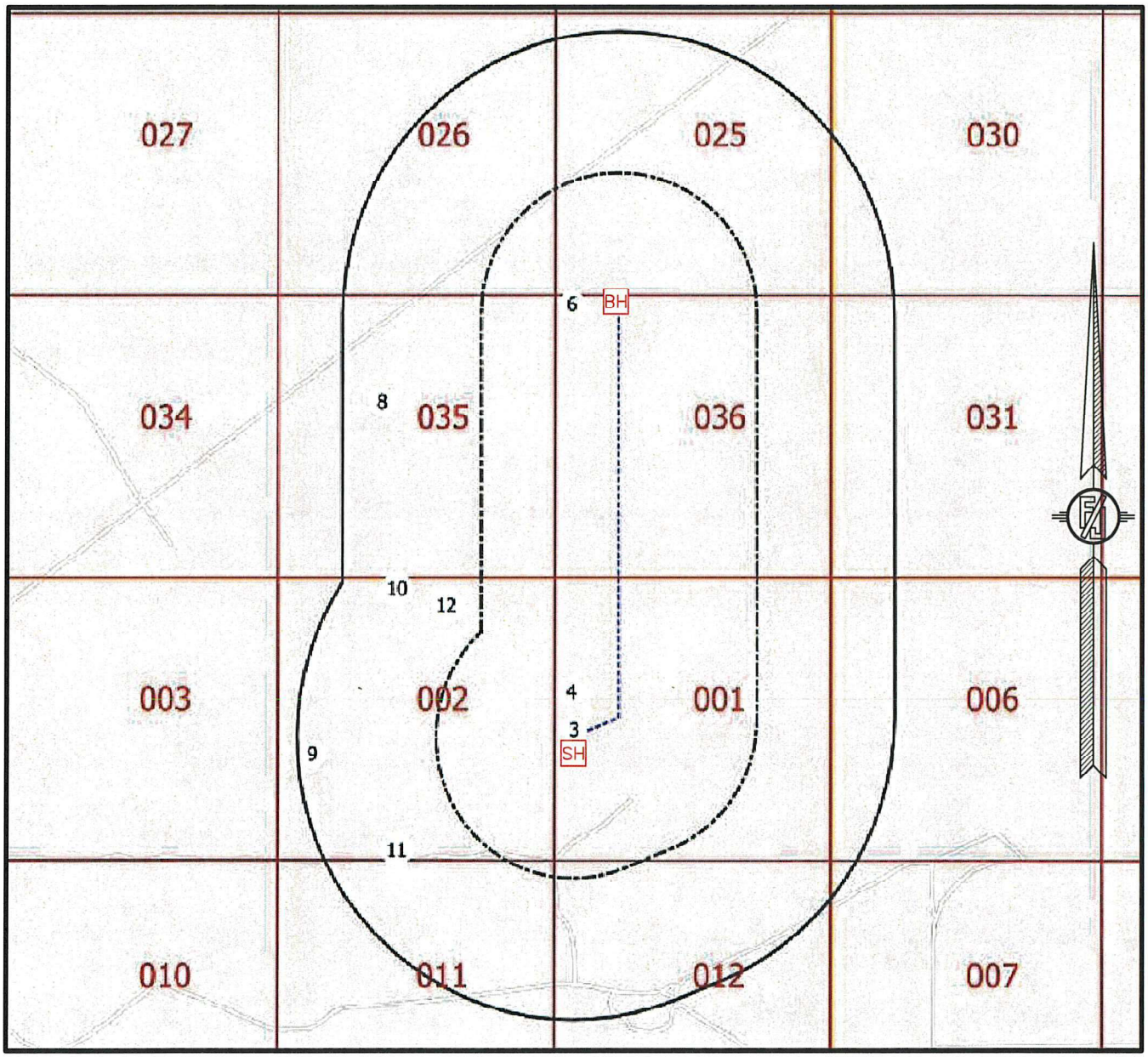
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 128 & CR 21 (DELAWARE BASIN ROAD) GO NORTH ON CR 21 8.1 MILES WHERE ROAD TURNS RIGHT (EAST) AT THE END OF CURVE AT THE 2ND LEASE ROAD (KAISER FRANCIS SIGNS) ON LEFT SIDE OF ROAD (NORTH), TURN NORTH AT 2ND LEASE ROAD GO APPROX. 0.4 OF A MILE, ROAD TURNS LEFT (WEST) GO WEST APPROX. 1.9 MILES TO A ROAD LATH RED & WHITE FLAGGING ON LEFT (SOUTH) SIDE OF LEASE ROAD GO SOUTH 141' TO NORTH EDGE OF PAD FOR THIS LOCATION.

SURVEY NO. 7073

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

1-MILE MAP



NOT TO SCALE

WELL DATA FROM NMOCD GIS – 4/1/19

SH SURFACE LOCATION

BH BOTTOM OF HOLE

XX WELLS WITHIN 1 MILE

WELL PATH

1/4 MILE BOUNDARY

1-MILE BOUNDARY

KAISER-FRANCIS OIL CO.

BELL LAKE UNIT NORTH 420H

LOCATED 2388 FT. FROM THE SOUTH LINE AND 380 FT. FROM THE WEST LINE OF SECTION 1, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

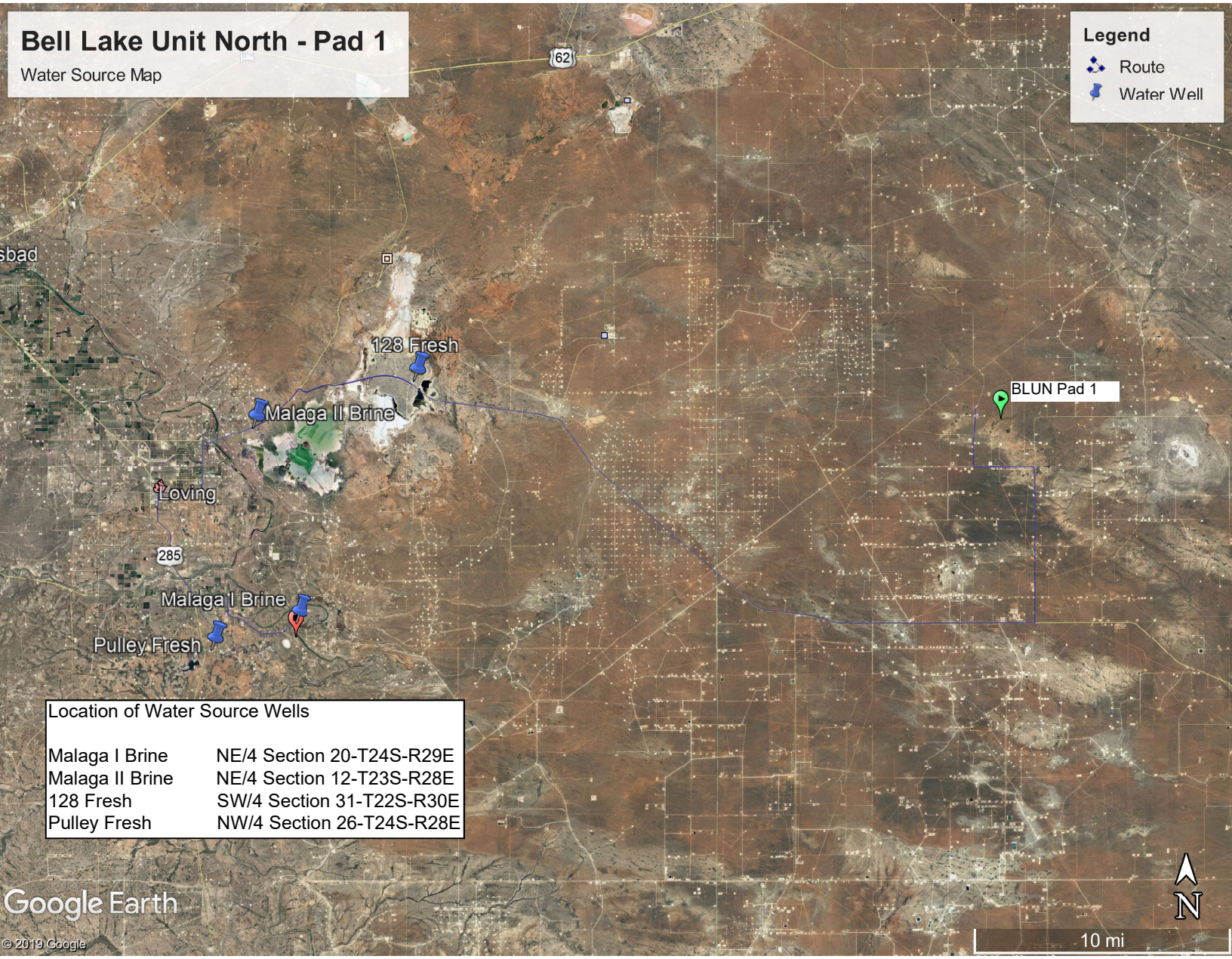
MARCH 26, 2019

SURVEY NO. 7073

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

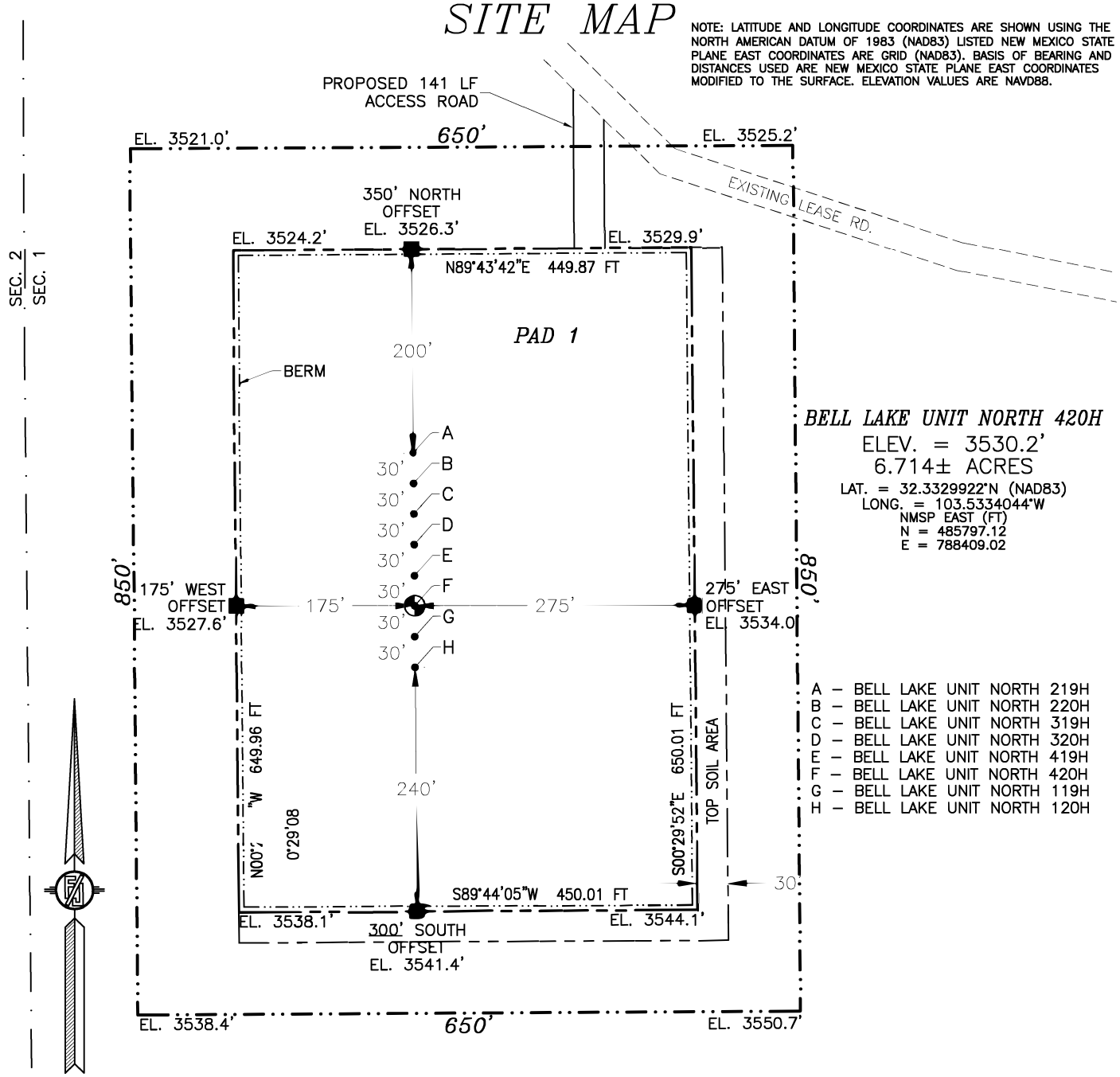
Kaiser-Francis Oil Company
Bell Lake Unit North 420H
One Mile Radius Data

ID	API	wellname	well type	ulstr	ogrid	status	dir status	elevation	MD	TVD	latitude	longitude	Pool ID
3	30-025-45510	BELL LAKE UNIT NORTH #211H	O	L-01-23S-33E	12361	N	H	3528	0	0	32.333267	-103.533385	[98259]
3	30-025-45509	BELL LAKE UNIT NORTH #119H	O	L-01-23S-33E	12361	N	H	3528	0	0	32.333185	-103.533385	[98259]
4	30-025-45153	BELL LAKE UNIT NORTH #202H	O	E-01-23S-33E	12361	N	H	3516	0	0	32.3353289	-103.5335599	[98259]
4	30-025-44691	BELL LAKE UNIT NORTH #301H	O	E-01-23S-33E	12361	N	H	3518	0	0	32.335109	-103.533561	[5150] B
4	30-025-45079	BELL LAKE UNIT NORTH #101H	O	E-01-23S-33E	12361	N	H	3516	0	0	32.3352464	-103.5335601	[98259]
4	30-025-44693	BELL LAKE UNIT NORTH #401H	O	E-01-23S-33E	12361	N	H	3518	0	0	32.335164	-103.53356	[5150] B
6	30-025-44690	BELL LAKE UNIT NORTH #201H	O	E-01-23S-33E	12361	N	H	3517	0	0	32.355054	-103.533561	[5150] B
8	30-025-26902	PRE-ONGARD WELL #001	O	F-35-22S-33E	214263	P	0	0	0	15700	32.3500481	-103.5453186	
9	30-025-26492	STATE HL #001	O	L-02-23S-33E	217955	P	V	3596	15640	15640	32.3319473	-103.5495605	[7320] B
10	30-025-42811	SOPAPILLA STATE #003H	O	3-02-23S-33E	217955	N	H	3460	0	0	32.34043665	-103.544385	[7320] B
11	30-025-40858	SOPAPILLA STATE #002H	O	N-02-23S-33E	217955	A	H	3549	15532	10930	32.3270111	-103.5443649	[7320] B
12	30-025-42831	NORTH THISTLE 2 35 FEDERAL #001H	O	2-02-23S-33E	6137	A	H	3515	16285	10959	32.3395618	-103.5413391	[7320] B
12	30-025-42821	NORTH THISTLE 2 STATE #002H	O	2-02-23S-33E	6137	A	H	3515	16285	10998	32.3395611	-103.5410153	[7320] B
12	30-025-42533	NORTH THISTLE 2 STATE #001H	O	2-02-23S-33E	6137	A	H	3514	13879	9576	32.3395612	-103.5411774	[7320] B


Bell Lake Unit North - Pad 1
Water Source Map
Legend
Route
Water Well
62
sbad
128 Fresh
Malaga II Brine
BLUN Pad 1
Loving
285
Malaga I Brine
Pulley Fresh
Location of Water Source Wells
Malaga I Brine NE/4 Section 20-T24S-R29E
Malaga II Brine NE/4 Section 12-T23S-R28E
128 Fresh SW/4 Section 31-T22S-R30E
Pulley Fresh NW/4 Section 26-T24S-R28E
Google Earth
© 2019 Google
N
10 mi

SECTION 1, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SITE MAP

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. ELEVATION VALUES ARE NAVD88.



BELL LAKE UNIT NORTH 420H
ELEV. = 3530.2'
6.714± ACRES
LAT. = 32.3329922°N (NAD83)
LONG. = 103.5334044°W
NMSP EAST (FT)
N = 485797.12
E = 788409.02

A – BELL LAKE UNIT NORTH 219H
B – BELL LAKE UNIT NORTH 220H
C – BELL LAKE UNIT NORTH 319H
D – BELL LAKE UNIT NORTH 320H
E – BELL LAKE UNIT NORTH 419H
F – BELL LAKE UNIT NORTH 420H
G – BELL LAKE UNIT NORTH 119H
H – BELL LAKE UNIT NORTH 120H

0 15 75 150 300
SCALE 1" = 150'

DIRECTIONS TO LOCATION
FROM THE INTERSECTION OF STATE HIGHWAY 128 & CR 21 (DELAWARE BASIN ROAD) GO NORTH ON CR 21 8.1 MILES WHERE ROAD TURNS RIGHT (EAST) AT THE END OF CURVE AT THE 2ND LEASE ROAD (KAISER FRANCIS SIGNS) ON LEFT SIDE OF ROAD (NORTH), TURN NORTH AT 2ND LEASE ROAD GO APPROX. 0.4 OF A MILE, ROAD TURNS LEFT (WEST) GO WEST APPROX. 1.9 MILES TO A ROAD LATH RED & WHITE FLAGGING ON LEFT (SOUTH) SIDE OF LEASE ROAD GO SOUTH 141' TO NORTH EDGE OF PAD FOR THIS LOCATION.

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR, CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THAT IT MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

FILIMON F. JARAMILLO, PLS 12797

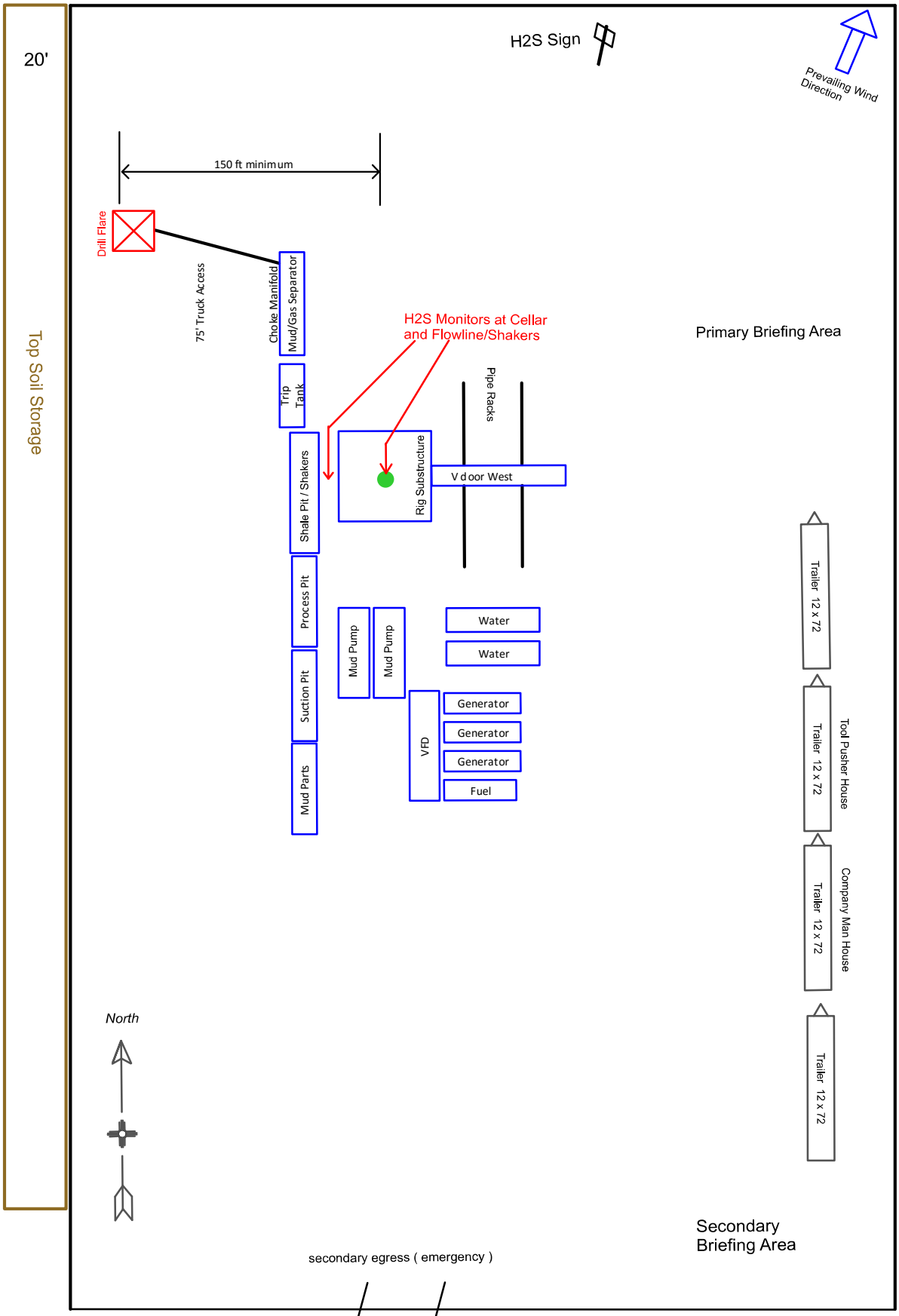
FILIMON F. JARAMILLO — NEW MEXICO — 12797 — PROFESSIONAL SURVEYOR

KAISER–FRANCIS OIL CO.
BELL LAKE UNIT NORTH 420H
LOCATED 2388 FT. FROM THE SOUTH LINE AND 380 FT. FROM THE WEST LINE OF SECTION 1, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

MARCH 26, 2019

SURVEY NO. 7073

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 *CARLSBAD, NEW MEXICO*



Drill Site Layout

450' x 650'

Bell Lake Unit North #420H

SECTION 1, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SITE MAP

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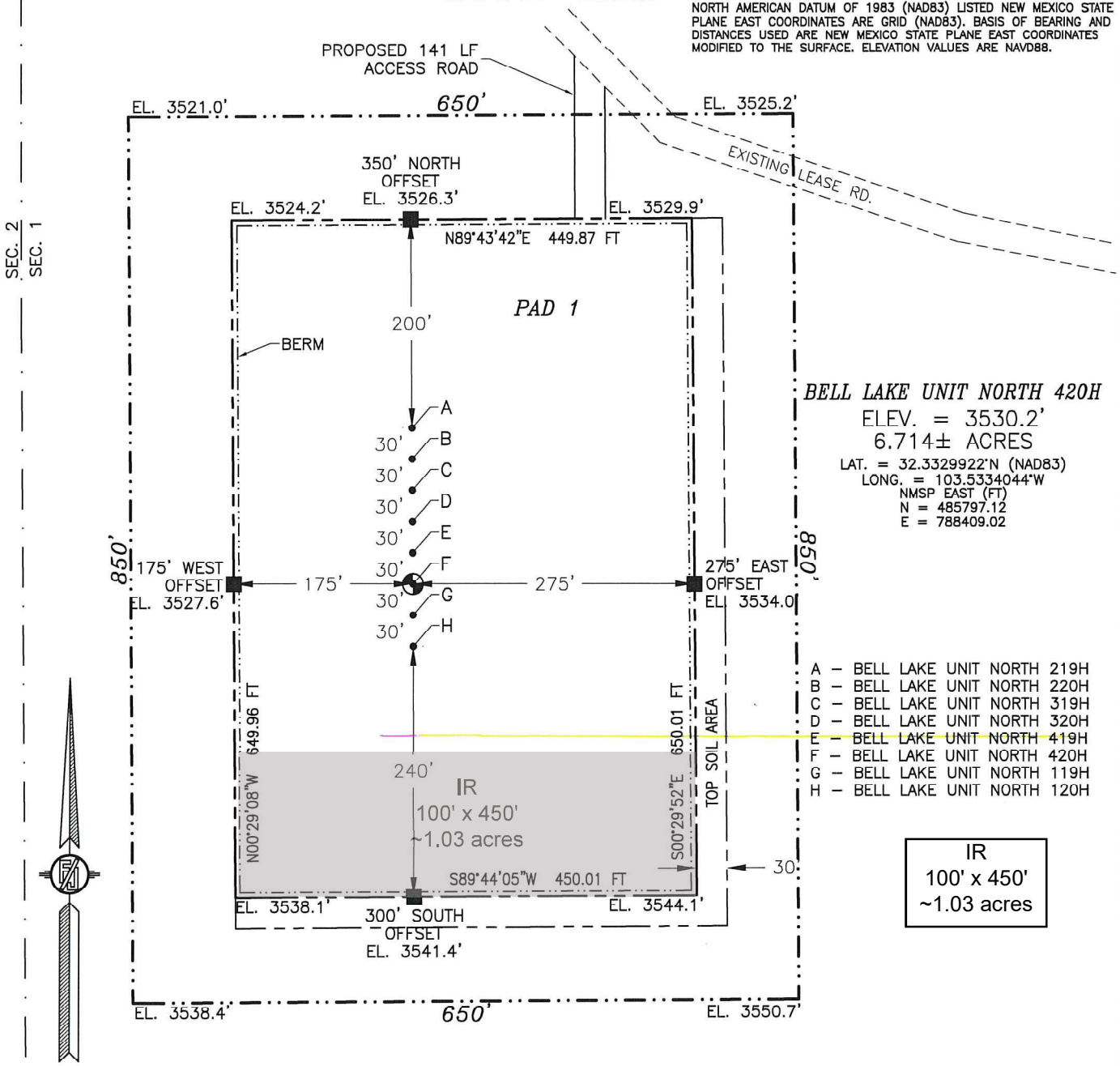

BELL LAKE UNIT NORTH 420H
ELEV. = 3530.2'
6.714± ACRES
LAT. = 32.3329922°N (NAD83)
LONG. = 103.5334044°W
NMSP EAST (FT)
N = 485797.12
E = 788409.02

A – BELL LAKE UNIT NORTH 219H
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D – BELL LAKE UNIT NORTH 320H
E – BELL LAKE UNIT NORTH 419H
F – BELL LAKE UNIT NORTH 420H
G – BELL LAKE UNIT NORTH 119H
H – BELL LAKE UNIT NORTH 120H

IR
100' x 450'
~1.03 acres

0 15 75 150 300
SCALE 1" = 150'

DIRECTIONS TO LOCATION
FROM THE INTERSECTION OF STATE HIGHWAY 128 & CR 21 (DELAWARE BASIN ROAD) GO NORTH ON CR 21, 8.1 MILES WHERE ROAD TURNS RIGHT (EAST) AT THE END OF CURVE AT THE 2ND LEASE ROAD (KAISER FRANCIS SIGNS) ON LEFT SIDE OF ROAD (NORTH), TURN NORTH AT 2ND LEASE ROAD GO APPROX. 0.4 OF A MILE, ROAD TURNS LEFT (WEST) GO WEST APPROX. 1.9 MILES TO A ROAD LATH RED & WHITE FLAGGING ON LEFT (SOUTH) SIDE OF LEASE ROAD GO SOUTH 141' TO NORTH EDGE OF PAD FOR THIS LOCATION.

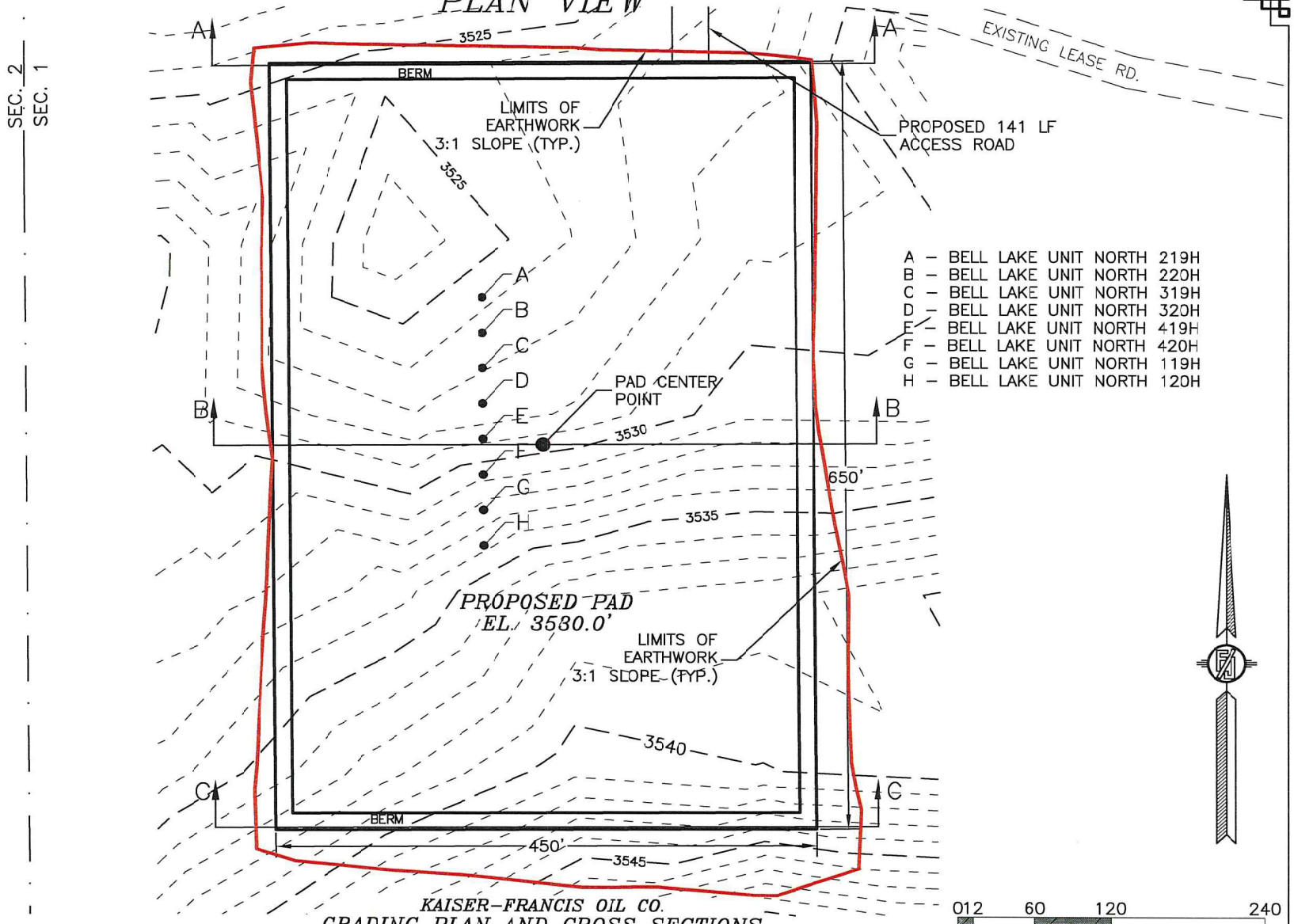
KAISER–FRANCIS OIL CO.
BELL LAKE UNIT NORTH 420H
LOCATED 2388 FT. FROM THE SOUTH LINE AND 380 FT. FROM THE WEST LINE OF SECTION 1, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

MARCH 26, 2019

SURVEY NO. 7073

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

PLAN VIEW



KAISER–FRANCIS OIL CO.

GRADING PLAN AND CROSS SECTIONS

FOR BELL LAKE UNIT NORTH 420H

SECTION 1, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

CUT	FILL	NET
40352 CU. YD	17504 CU. YD	22848 CU. YD (CUT)

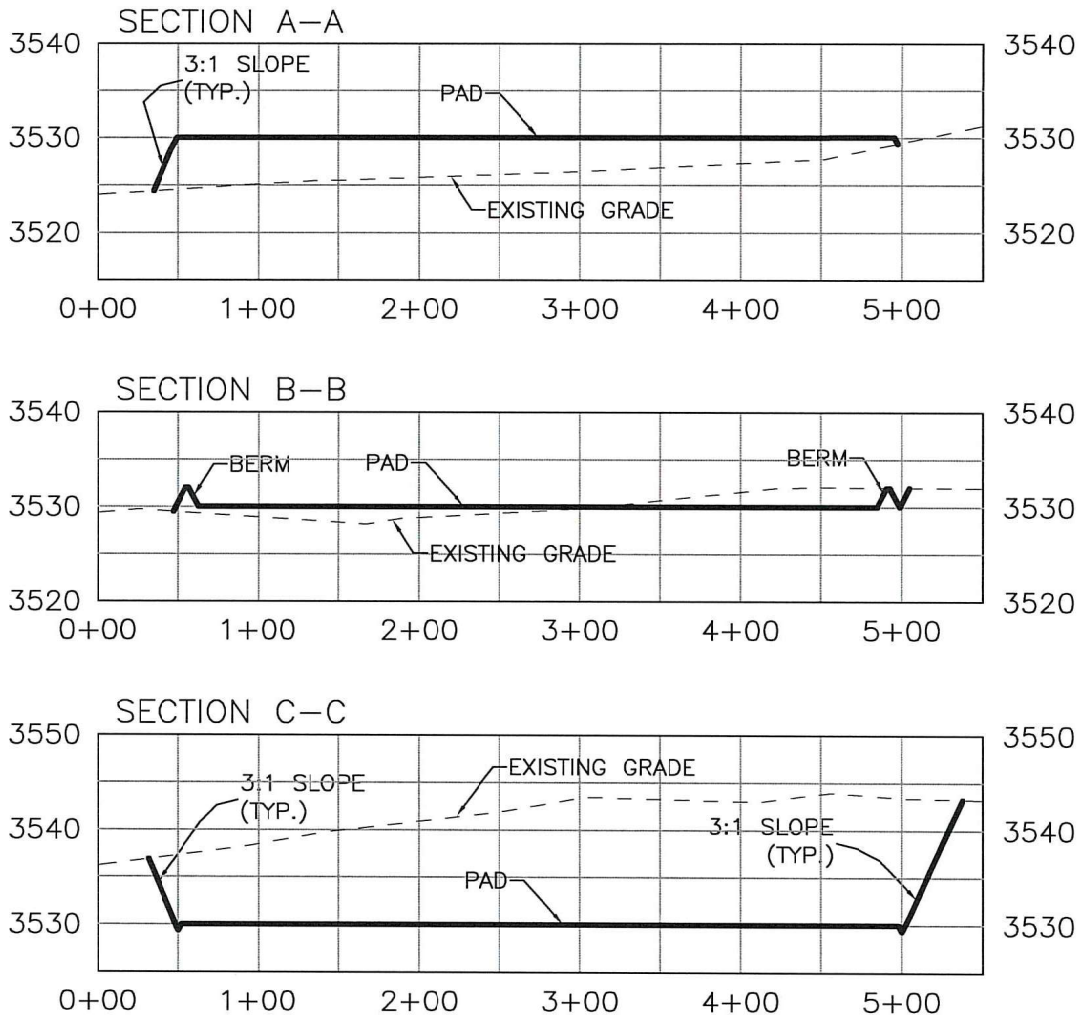
EARTHWORK QUANTITIES ARE ESTIMATED

MARCH 26, 2019

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 *CARLSBAD, NEW MEXICO*

SHEET 1–2
SURVEY NO. 7073

CROSS SECTIONS



KAISER–FRANCIS OIL CO.
GRADING PLAN AND CROSS SECTIONS
FOR BELL LAKE UNIT NORTH 420H
SECTION 1, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

012 60 120 240
SCALE 1" = 120' – 1" = 20' VER

CUT	FILL	NET
40352 CU. YD	17504 CU. YD	22848 CU. YD (CUT)

EARTHWORK QUANTITIES ARE ESTIMATED

MARCH 26, 2019

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234–3341 *CARLSBAD, NEW MEXICO*

SHEET 2–2
SURVEY NO. 7073

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

OCD – HOBBS
09/14/2020
RECEIVED

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	[2] Pool Code	[3] Pool Name
30-025-47767	98265	Ojo Chiso; Wolfcamp, Southwest

[4] Property Code	[5] Property Name	[6] Well Number
316707	BELL LAKE UNIT NORTH	420H

[7] OGRID No.	[8] Operator Name	[9] Elevation
12361	KAISER-FRANCIS OIL CO.	3530.2

[10] Surface Location

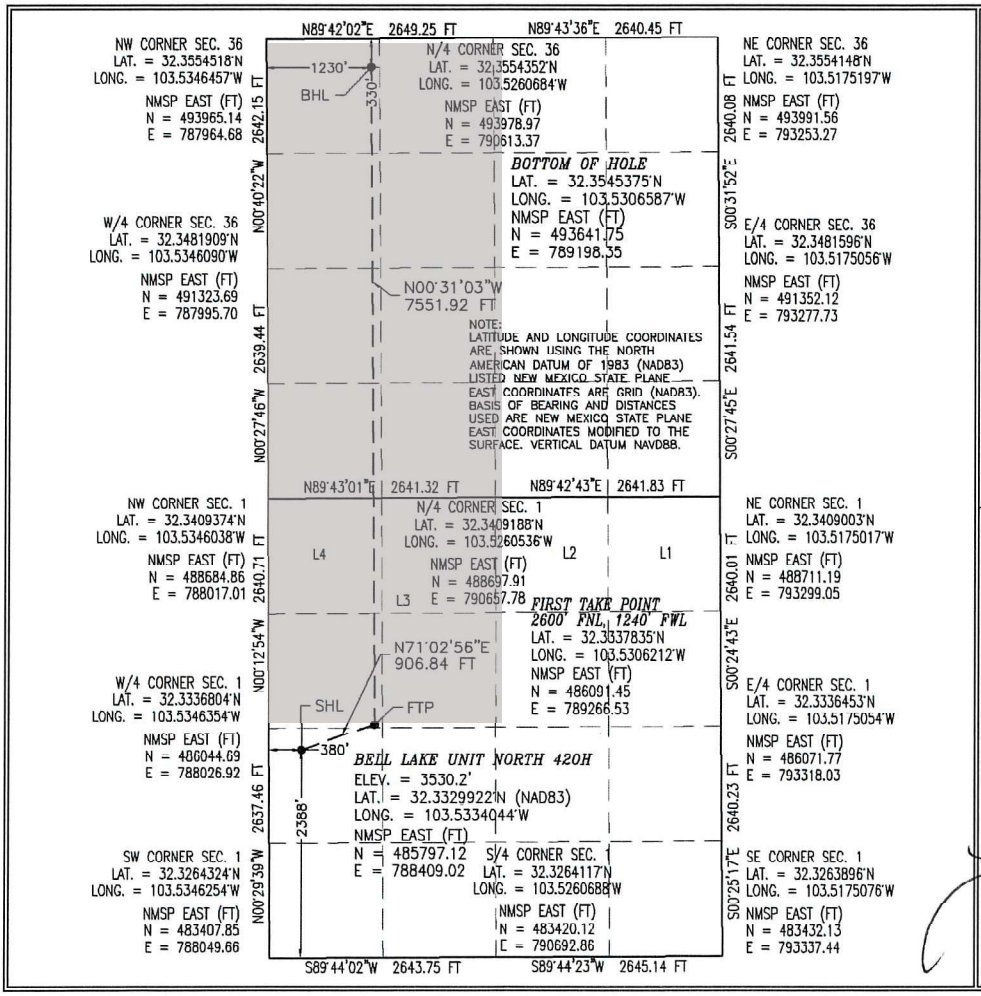
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	1	23 S	33 E		2388	SOUTH	380	WEST	LEA

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	22 S	33 E		330	NORTH	1230	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
480			R-14602A

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.



[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.

Melanie J. Wilson 01/14/2020
Signature Date

Melanie Wilson
Printed Name

mjp1692@gmail.com
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 and correct to the best of my belief.

MARCH 26, 2019
Date of Survey

FILIMON F. JARAMILLO
NEW MEXICO
12797
REGISTERED PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

Certificate Number FILIMON F. JARAMILLO, PLS 12797

SURVEY NO. 7073

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

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

OCD – HOBBS
09/14/2020
RECEIVED

Submit Original
to Appropriate
District Office

GAS CAPTURE PLAN

Date: **01/26/2018**

☒ Original
☐ Amended - Reason for Amendment:

Operator & OGRID No.: Kaiser-Francis Oil Company, 12361

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Bell Lake Unit North 219H		1-23S-33E		2000	0	
Bell Lake Unit North 220H		1-23S-33E	2508' FSL/380' FWL	2000	0	
Bell Lake Unit North 319H		1-23S-33E		2000	0	
Bell Lake Unit North 320H		1-23S-33E		2000	0	
Bell Lake Unit North 419H		1-23S-33E	2418' FSL/380' FWL	2000	0	
Bell Lake Unit North 420H	30-025-47767	1-23S-33E	2388' FSL/380' FWL	2000	0	

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to Targa and will be connected to Targa low/high pressure gathering system located in Lea County, New Mexico. It will require 11,000' of pipeline to connect the facility to low/high pressure gathering system. Kaiser-Francis Oil Company provides (periodically) to Targa a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Kaiser-Francis Oil Company and Targa have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Targa Processing Plant located in Sec. 36, Twn. 19S, Rng. 36E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on Targa system at that time. Based on current information, it is Kaiser-Francis Oil Company's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
    - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
    - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
    - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines