

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

Rec'd 07/24/2020 - NMOCD

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.)		WELL API NO. 30-025-25302
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Dry <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Kaiser-Francis Oil Company		6. State Oil & Gas Lease No. E-5096
3. Address of Operator P. O. Box 21468, Tulsa, OK 74121-1468		7. Lease Name or Unit Agreement Name Bell Lake Unit
4. Well Location Unit Letter <u>I</u> : <u>1980</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>East</u> line Section <u>36</u> Township <u>23S</u> Range <u>33E</u> NMPM <u>Lea</u> County		8. Well Number 18
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3637 GR		9. OGRID Number 012361
		10. Pool name or Wildcat Undesignated

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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. Proposed procedure: Approx starting date: 9/15/2020

- Load & test csg to 500#. Roll hole w/plug mud & spot 25 sxs cmt from 12625'-12360'.
- Wolfcamp plug: Spot 35 sxs cmt from 11620'-11470'.
- Avalon/Leonard plug: Perf @ 8825', set ret @ 8800' and est inj. Sqz 40 sxs cmt below ret 8825'-8625' on annulus. Spot 35 sxs cmt @ 8800'-8650'. WOC & tag no deeper than 8725'.
- Brushy Canyon & DV tool plug: Spot 75 sxs cmt @ 8250'-7930'. WOC & tag.
- Cherry Canyon plug: Spot 30 sxs cmt @ 7020'-6870'. Free-pt 7 5/8" & cut @ 5220'. POOH.
- Spot 85 sxs cmt from 5270'-5120'. WOC & tag no deeper than 5120'.
- DV tool plug: P&S Spot 85 sxs cmt from 3440'-3240'. WOC & tag no deeper than 3338'.
- DV tool plug: P&S Spot 85 sxs cmt from 1930'-1730'. WOC & tag no deeper than 1829'.
- Cut off WH, install marker & remediate surface as required. 4" diameter 4' tall above ground marker

9A P&S 200' circulate Class C to surface

Spud Date: 9/18/76

Rig Release Date: 1/9/77

**See Attached  
 Conditions of Approval**

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

SIGNATURE *C. Van Valkenburg* TITLE Mgr., Regulatory Compliance DATE 7/24/2020

Type or print name Charlotte Van Valkenburg E-mail address: Charlotv@kfoc.net PHONE: 918-491-4314  
**For State Use Only**

APPROVED BY: *Kerry Fortner* TITLE Compliance Officer A DATE 10/22/20  
 Conditions of Approval (if any):

# Kaiser-Francis

# South Bell Lake #18

**Location:** 1980' FSL, 660' FEL, Sec 36, T23S, R33E  
**County:** Lea  
**State:** New Mexico  
**Elevation:** GL - 3632' KB - 3652'

**API -** 30-025-25302  
**Spud Date:** 9/18/76  
**Completed:** 2/77  
**Diagram:** Updated - 11/01/13

### Work History:

**SPUD: 9/18/76** - Ran dev svy after setting 7-5/8", max dev above 10,800' is 2 deg. 11/11/76 - TS showed TOC @ 5720' behind 7-5/8". 11/16/76 - ran cbl from 11,200 - 12,458' - poor cmt below 11,800'. Perf csg @ 11,840' & cmt w/ 160 sx - reports are unclear, indicate circ was obtained.

**COMPLETION 2/77** - Ran CBL, poor cement above 10,800' Set Baker FB-1 pkr at 11,487' on 2-7/8" tbg. Swb tbg to 7000' and perf thru tubing: 3rd Morrow: 13762'-76' & 4th Morrow: 13822'-28' (4spf). Left perf gun in the hole. Flwd to clean up, SITP = 5150#. IPF 19.5 mmcfpd, 90 bcpd @ 3650# (CAOF 76.6 mmcfpd). Historical Morrow cum - 23 bcf, 45.5 mbo, & 671 mbw (water figures are questionable).

**6/00** - Ran 1-1/2" 2.76 L80 & P110 IJ syphon string, set @ 13,770'. Could not get well to unload significant fluid. Tag PBSD @ 13,872'. Pull 1.5" tbg, set plug in pkr, perf tbg above pkr - swab down getting mud. Cut off tbg at 11,464'. Circ lots of mud. RIH w/2448' of 1 1/2", XO, 2 7/8" tbg. EOT at 13,759'. SN 13730'. TA 11,276'. Ran pump and rods. Well wouldn't pump due to mud.

**4/01** - Mill over and retrieve pkr, recovered mud while milling. Ran 3-7/8" bit, tag @ 13,825' & CO to 13,868' w/ air foam, no gas shows. Set pkr @ 13,715', swb - mud packed around swb cups. Az w/ 500 gals 7.5%, 125 gals methanol, & 1000 scf N2/bbl az. Press inc to 6100# & tbg split. Ran prod string & swb recov. mud. Tried to rod pmp, pump packed off w/ mud.

**8/01** - Swb 68 bw, no show gas, recov mud in swab. Rev circ w/ air-foam recov iron sulfide and heavy mud. Attempt to pump again, pmp filled with mud.

**11/01** - Rods prtd. While trying to fish FG rod, rods dropped & tbg parted. Pull 5.5 jts tbg down to part, shut well in and rig down.

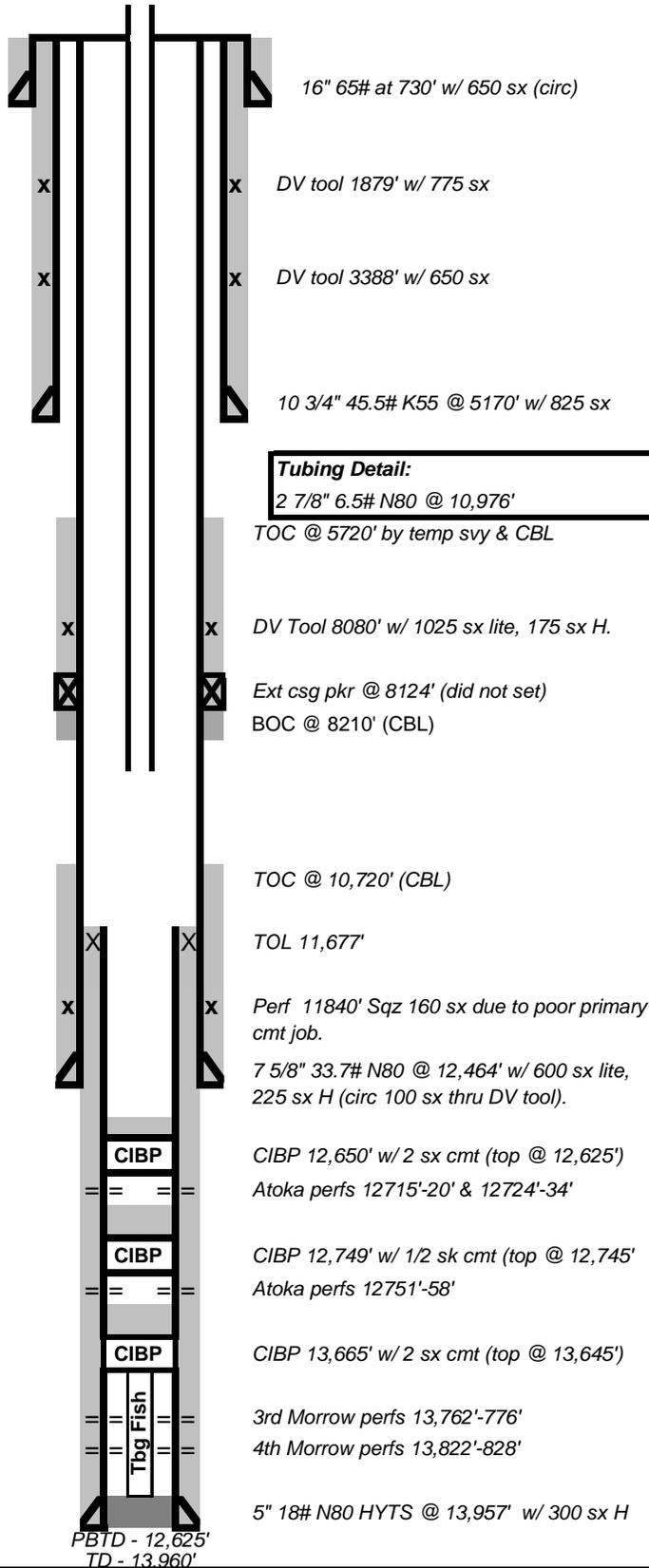
**9/02** - Fished rods and tbg out of well, leaving a tbg / rod fish in the hole @ 13,670'. Set CIBP @ 13,665' w/ 2 sx (20') cmt on top. Tstd csg to 650#.

**12/02** - TIH w/ pkr & tbg, set pkr @ 12,599'. Swb FL to 8000', perf Atoka 12,751'-58'. Well flwd gas w/ no fluid - appeared to deplete rapidly. Ran BHP svy and it showed the well to be loaded up.

**1/03** - Set CIBP @ 12,749' w/ 1/2 sx (4') cmt on top. Run pkr & tst plug to 2000#, tst csg to 800#. Swb FL to 9000', perf upper Atoka 12,715'-20' & 12,724'-34'. Well flwd gas @ 500 - 900 mcfpd rate and loaded up. Az w/ 500 gals 15% NeFe. Set CIBP @ 12,650' w/ 2 sx (20') cmt on top. TIH w/SN, 353 jts 2-7/8" 6.5# N80 at 10,976'. TA well.

**5/22/06** - Ran MIT, tested to 550#.

**2/23/12** - 10-3/4" x 7-5/8" annulus had 0 psi. 100# on 7-5/8", blew down and recov gas and oil. Loaded hole w/ 4 BW, press to 600#, bled to 540# in 30 mins.



# Kaiser-Francis

# South Bell Lake #18 Proposed P&A

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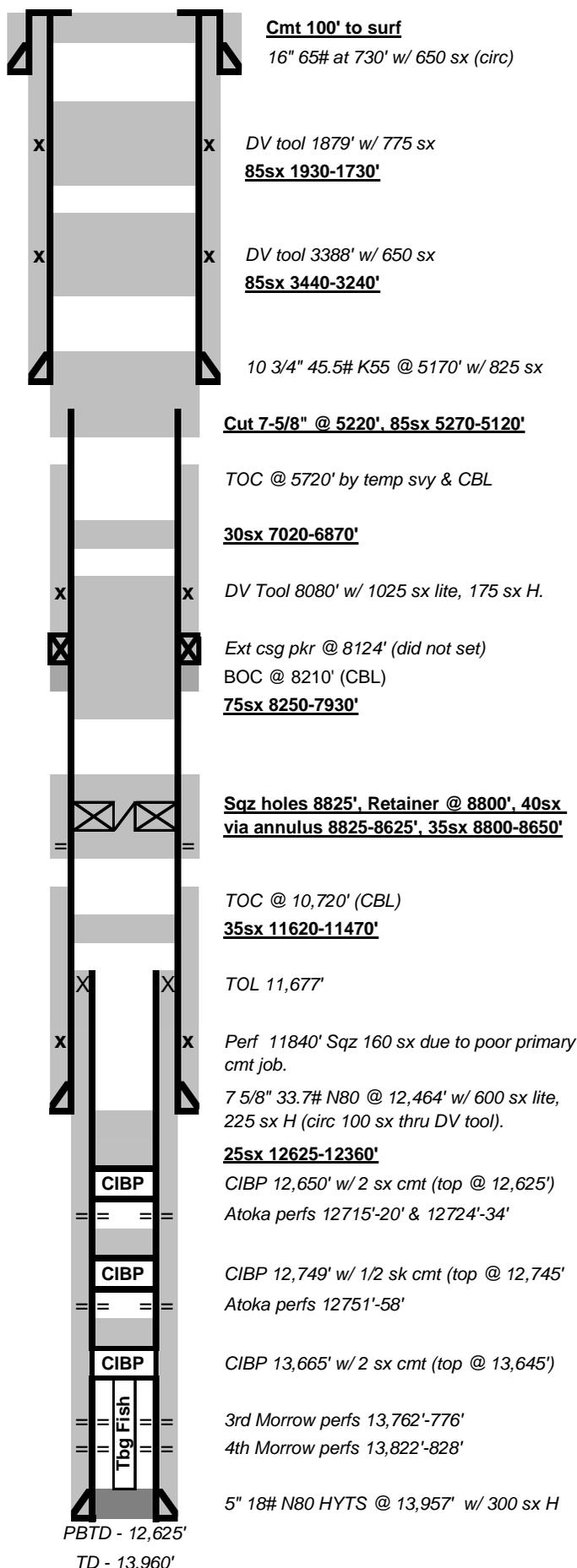
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PBTD - 12,625'

TD - 13,960'

**CONDITIONS OF APPROVAL  
FOR PLUGGING AND ABANDONMENT  
OCD - Southern District**

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify **NMOCD District Office I (Hobbs) at (575)-263-6633** at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

**Company representative will be on location during plugging procedures.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal - commercial or private- shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.
16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).

19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
- A) **Fusselman**
  - B) **Devonian**
  - C) **Morrow**
  - D) **Wolfcamp**
  - E) **Bone Springs**
  - F) **Delaware**
  - G) **Any salt sections**
  - H) **Abo**
  - I) **Glorieta**
  - J) **Yates.**
  - K) **Potash---(In the R-111-P Area (Potash Mine Area),**

A solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, woe 4 hours and tag, this plug will be SO' below the bottom and 50' above the top of the Formation.

21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, woe and tagged. These plugs will be set SO' below formation bottom to 50' above formation top inside the casing

#### **DRY HOLE MARKER REQ.UIRMENTS**

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least 1/4" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name
2. Lease and Well Number
3. API Number
4. Unit letter
5. Quarter Section (feet from the North, South, East or West)
6. Section, Township and Range
7. Plugging Date
8. County

#### **SPECIAL CASES -----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS**

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

**SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION**