

<b>Well Name:</b> NORTH BELL LAKE FEDERAL	<b>Well Location:</b> T23S / R34E / SEC 6 / SENE /	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 03	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM0587	<b>Unit or CA Name:</b> BELL LAKE NO. 2 DEVONIAN	<b>Unit or CA Number:</b> NMNM68292B
<b>US Well Number:</b> 3002533077	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> KAISER FRANCIS OIL COMPANY

**Notice of Intent**

**Sundry ID:** 2701689

**Type of Submission:** Notice of Intent

**Type of Action:** Temporary Abandonment

**Date Sundry Submitted:** 11/07/2022

**Time Sundry Submitted:** 01:21

**Date proposed operation will begin:** 11/08/2022

**Procedure Description:** Kaiser-Francis Oil Company wishes to TA the North Bell Lake Federal 3-6 to prevent corrosion of tubulars and maintain the integrity of the well bore. A detailed plan is attached along with the current and proposed WBDs.

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

NBLU\_\_3\_6\_TA\_program\_20221107125647.pdf

BellLakeNorth\_3\_6\_\_Apache\_\_proposed\_20221107125647.pdf

BellLakeNorth\_3\_6\_\_Apache\_\_20221107125647.pdf

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FEDERAL

Well Location: T23S / R34E / SEC 6 /  
SENE /

County or Parish/State: LEA /  
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Well Number: 03

Type of Well: CONVENTIONAL GAS  
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Allottee or Tribe Name:

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DEVONIAN

Unit or CA Number:  
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Well Status: Producing Gas Well

Operator: KAISER FRANCIS OIL  
COMPANY

### Conditions of Approval

#### Specialist Review

NBLU\_\_3\_6\_TA\_PROCEDURE\_AND\_COA\_20221107134320.pdf

### Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: CHRISTINA OPFER

Signed on: NOV 07, 2022 12:56 PM

Name: KAISER FRANCIS OIL COMPANY

Title: Regulatory Manager

Street Address: 6733 S YALE AVENUE

City: TULSA

State: OK

Phone: (918) 491-4468

Email address: CHRISTINAO@KFOC.NET

### Field

Representative Name: Jeremy Parent

Street Address: 88 Shell Rd

City: Jal

State: NM

Zip: 88252

Phone: (580)504-2593

Email address: jeremyp@kfoc.net

### BLM Point of Contact

BLM POC Name: KEITH P IMMATTY

BLM POC Title: ENGINEER

BLM POC Phone: 5759884722

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition: Approved

Disposition Date: 11/07/2022

Signature: KEITH IMMATTY

**Kaiser-Francis Oil Company  
North Bell Lake Unit #3-6 (Apache)**

**TA procedure**

SE NE, Section 6, T23S, R34E

Lea County, New Mexico

API # 30-025-33077

**WELL DATA**

TD: 17,540'  
PBSD: 14,589'

Elevation: GL Elev. = 3456'  
KB Elev. = 3488'

Surface Casing: 20" @ 900', cemented w/ 1550 sx, circ.

Intermediate Csg: 13-3/8" @ 4867' cemented w/ 4600 sx, circ.

Intermediate Csg: 9-5/8" 53.5# & 62.8# @ 12,021' cemented w/ 1600 sx, TOC @ 9000' estimated.

Liner: 7-5/8" 39# P110 HDL Liner from 11,664' -14,401', cemented w/ 250 sx. Sqzd TOL with 300 sx.

Production Csg: 5-1/2" 23# T95 from surf – 2608'  
5-1/2" 19.81# & 20# L80 from 2608' – 14,134'  
5" 18# L80 from 14,134' – 17,340', cmtd w/ 350 sx, TOC @ 14,330' est.

Production Tbg: 438 jts 2 7/8" 6.5# L-80 w/ GLVs (f/ 1889'-5718').  
XO  
20 jts 2 7/8" 6.4" L-80 Ultra FJ  
XO  
2 3/8" T2 ON/Off tool w/ 1.87" ID N/C X-nipple  
5" X 2 3/8" 10K N/C packer w/ carbide slips @ 14,445'  
1 jt 2 3/8" 4.7# L-80  
XN Nipple w/ 1.791" OD no-go  
WLREG @ 14,484'

Existing Perfs: Devonian 14,574'-14,580' BH Temp = 186 deg F

Well data cont'd

OD	Weight	Grade	Depth	Conn OD	ID	Drift	Capacity	Burst (80%)	Coll. (80%)	Jt Str. (80%)
5 1/2"	23#	T-95	0-2608'		4.67	4.545	0.021185	9384	10336	
5 1/2"	20#	L-80	2608-14134 14134-		4.778	4.653	0.022176	7352	7056	
5"	18#	L-80	17340		4.276	4.151	0.017761	8112	8392	
2 7/8"	6.5#	L-80	0-13,826' 13826-	3.5	2.441	2.347	0.005788	8456	8456	115968
2 7/8"	6.4#	L-80	14443	2.875	2.434	2.347	0.005755	8456	8456	89760

Annulus	Capacity
2 7/8" X 5"	0.009732
2.875" X 5.5" 23#	0.013156
2.875" X 5.5" 20#	0.014147

**PROCEDURE**

- 1) MIRU WOR. Set pipe racks and catwalk. **RU H2S safety equipment (well could have 7000 ppm H2S)**. Blow down well. Kill with produced wtr or clean brine from recycle plant. ND WH, NU 5000# hydraulic BOP w/ 2 7/8" pipe rams. Release packer and allow well to equalize-ensure well is static. R/U PS as necessary to release packer. TOOH w/ tubing, packer and gas-lift valves-laying down. Send tubing in for inspection.

*Note: max torque on 2 7/8" L-80 tubing is 2880 ft\*lbs*

*Note: have slip elevators on hand to handle ~600' of UFJ tubing.*

*Note: if packer still will not come free w/ swivel, consider shooting equalizing hole in the tubing just above the on/off tool*

- 2) Flush well to top perf w/ 2% KCl-based packer fluid (corrosion inhibitor, biocide, oxygen scavenger, etc). Do not exceed 3000# injection pressure.
- 3) MIRU ELU and pressure control. Round-trip GR/JB for 5", 18# casing to 14,530'. RIH and set 5" CBP @ 14,520'. Tag plug and POOH w/ setting tool.
- 4) Dump bail 35' of cement on top of plug. RDMO ELU and pressure control.
- 5) Top off 5 1/2" casing and pressure-test plug/casing to 500# for 30 minutes. If well passes, notify BLM for official MIT (575-393-3612).

Kaiser-Francis		North Bell Lake #3-6 (Apache)										
<b>Location:</b>	SE NE, Sec 6, T23S, R34E	<b>API -</b>	30-025-33077									
<b>County:</b>	Lea	<b>Spud Date:</b>	9/5/95									
<b>State:</b>	New Mexico	<b>Completed:</b>	1/12/96									
<b>Elevation:</b>	GL - 3456' KB - 3488'	<b>Diagram:</b>	Updated - 12/2015									
		<b>Work History:</b>										
		<p><b>9/95</b> - Well spud by Amerada Hess. DST #1 - Devonian 14,594'-692', Flw g P 2170#, 4.6 mmcfpd, 1344 bw pd. Core Ellenburger 17,216-17,228', recov 7.5'. Attempted Ellenburger DST, tool failed.</p> <p><b>COMPLETION:</b> DO cmt. Losing 50 BPH. Set RH pkr at 16,804'. Sw ab OH Ellenburger interval. KO - 5859 mcf, 74 bw, 0 bo. SITP 2430#</p> <p><b>3/8/96</b> - Add Ellenburger perms 17,226-236'; 17,195-205' (4 spf) - Flow 4bo, 222 bw, 6643 mcf</p> <p><b>10/21/97</b> - Pmpd down tbg w /2000 gals 15% NEFE HCL loaded w /22% methanol &amp; displ w /100 BFW loaded w /5 gals 1000 foamer. pmpd 500 gals 15% HCL 12 BFW, 12 bbbls of caustic neutralizer &amp; 19.5 BFW to clear flow line and separator. F - 3500 mcf/d.</p> <p><b>7/1/98</b> - Az w /2500 gal 15% HCL acid.</p> <p><b>06/03:</b> GIH w /1 1/2" CT to 15745'. CTU problems. SD.</p> <p><b>07/03:</b> Az Ellenburger w /5000 gal 15% HCL.</p> <p><b>10/07:</b> csg w /g in communication. tried to pull pkr - stuck. Cut tbg @ 16,745'. LD all tbg. Fish pkr w / work string. Set CIBP @ 17,150' w / 35' cmt on top. Tst csg to 500# - OK. Spot 9# mud on bottom, set CIBP @ 15,000' w / 35 sx cmt on top. Run prod tbg, circ pkr fluid, set pkr. Perf Devonian 14,598'-14,605'. Press to 3800#, could not pmp in. Sw b tst - seeing w tr entry w / little gas (SI fluid level = 500' FS). Az w / 2000 gals 15% NeFe HCl, 1.4 bpm @ 7650#, brk back &amp; inc rate to 9.2 bpm @ 5000#. Sw b w / gas shows but FL staying @ 1200'. Set retainer @ 14,589', sqz perms w / 150 sx to 4425#. Run prod strg, spot az, set pkr, perf Dev. 14,574'-580'. Perfs broke, pmpd in 10 KCl @ 2 bpm, 0 psi. Well KO flow @ 950 mcf, 7/64 ck, 3750# FTP</p> <p><b>8/13</b> - Installed GLVs</p>										
		<p>20" K55 94# @ 900'</p> <p>w/1550 sks</p>										
		<p>13-3/8" J55 N80, S95 68 &amp; 72# @ 4867'</p> <p>w/4500 sks. Run 1" Top Off w/100 sxs</p> <p>TOC 9000' Est</p> <table border="1"> <tr><th>GLVs @</th></tr> <tr><td>1889'</td></tr> <tr><td>3150'</td></tr> <tr><td>4000'</td></tr> <tr><td>4507'</td></tr> <tr><td>4794'</td></tr> <tr><td>5083'</td></tr> <tr><td>5400'</td></tr> <tr><td>5718'</td></tr> </table> <p>TOL @ 11,664'</p> <p>Sqz'd w/300 sxs</p>		GLVs @	1889'	3150'	4000'	4507'	4794'	5083'	5400'	5718'
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		<p>5" x 2-3/8" 1X Pkr @ 14,445'. Devonian perms 14,574'-580'</p> <p>Cmt rtr @ 14,589', sqz perms w/ 150 sx Devonian perms 14,598'-605', tstd wet</p> <p>CIBP @ 15,000' w/ 35' cmt on top</p> <p>CIBP @ 17,150' w/ 35' cmt on top 17195'-236' O/A</p> <p>5" L80 @ 17,340' w/ 350 sx</p> <p>Ellenburger Open Hole 17,340'-540'</p> <p>PBTD - 14,589' TD 17,540'</p>										
		<p><b>Tubing Detail: (top to bottom)</b></p> <p>438 jts 2-7/8" 6.5# L80 - w/ GLVs</p> <p>XO - .82'</p> <p>20 jts 2-7/8" L80 6.4# Ultra FJ - 617.38'</p> <p>XO - .94'</p> <p>2-3/8" T2 On/Off tool w/ 1.87 x nipple (nickel) - 1.58'</p> <p>5"x2-3/8" 1X 10k Pkr w/ carbide slips (nickel) - 6.17' @ 14,445' KB</p> <p>1 jt 2-3/8" 4.7# L80 - 31.04'</p> <p>XN Nipple (1.791 no-go) - 1.08'</p> <p>2-3/8" WLEG - .52' - EOT @ 14,484' KB</p>										
		<p><b>CASING INFORMATION:</b></p> <p>5 1/2" 23# T95 LT&amp;C - 2608'</p> <p>5 1/2" 20# L80 LT&amp;C - 8773'</p> <p>XO - 0.93'</p> <p>5 1/2" 19.81# L80 (FJ?) - 2751', Top @ est. 11,382'</p> <p>XO - 0.85'</p> <p>5" 18# L80 - approx 2715', Top @ estimated 14,134'</p> <p>Stage Collar - 2.15', Top @ 16,849'</p> <p>5" 18# L80 - 45.53'</p> <p>ECP - 14.45', Top @ 16,897'</p> <p>5" 18# L80 - 152.57'</p> <p>ECP - 14.45', Top @ 17,064'</p> <p>5" 18# L80 - 260.06'</p> <p>Float Collar</p> <p>Casing was correlated to log. EOC 17,340'</p>										

Kaiser-Francis		North Bell Lake #3-6 (Apache) TA	
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<b>County:</b>	Lea	<b>Spud Date:</b>	9/5/95
<b>State:</b>	New Mexico	<b>Completed:</b>	1/12/96
<b>Elevation:</b>	GL - 3456' KB - 3488'	<b>Diagram:</b>	Updated - 6/2013
		<b>Work History:</b>	
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		Casing was correlated to log. EOC 17,340'	

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

### Conditions of Approval for Temporary Abandonment of Wells

**Definition:** A temporarily abandoned well is a completion that is not capable of production in paying quantities, but which may have future value. Pursuant to 43 CFR 3162.3-4 (c), no well may be temporarily abandoned for more than 30 days without the prior approval of the authorized officer.

1. TA status will be effective for a period of up to one year from the date of sundry approval and can be renewed annually thereafter per IM NM-2016-017.
2. A bridge plug (CIBP) must be installed 50 to 100 feet above any open perforations or open hole. The CIBP must be capped with either a minimum of 25 sacks of cement if placed with tubing or 35 feet of cement if placed with a bailer. The top of the cement must be verified by tagging. **Composite Bridge Plug Plan OK.**
3. The wellbore must be filled with corrosion inhibited fluid and pressure tested to 500 psi. The casing shall be capable of holding this pressure for at least 30 minutes. If the well does not pass the casing integrity test, then the operator shall, within 30 days, submit a procedure to either repair the casing or to plug and abandon the well.
4. Contact the appropriate BLM office at least 24 hours prior to the scheduled Casing Integrity Test. For wells in Eddy County, 575-361-2822; Lea County 575-393-3612.
5. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if it is not isolated by a packer.
6. A bradenhead test must be conducted. If the test indicates a problem, a remedial plan and time frame for remediation shall be submitted within ninety (90) days of the test.
7. Submit a subsequent Sundry Notice (Form 3160-5) with the following information:
  - a. A well bore diagram with all perforations, CIBP's, and tops of cement on CIBP's.
  - b. A description of the temporary abandonment procedure.
  - c. A clear copy or the original of the pressure test chart.

<b>Kaiser-Francis</b>	<b>North Bell Lake #3-6 (Apache)</b>
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**Work History:**

9/95 - Well spud by Amerada Hess. DST #1 - Devonian 14,594'-692', Flwg P 2170#, 4.6 mmcpd, 1344 bwpd. Core Ellenburger 17,216-17,228', recov 7.5'. Attempted Ellenburger DST, tool failed.

**COMPLETION:** DO cmt. Losing 50 BPH. Set RH pkr at 16,804'. Swab OH Ellenburger interval. KO - 5859 mcf, 74 bw, 0 bo. SITP 2430#

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10/21/97 - Pmpd down tbg w/2000 gals 15% NEFE HCL loaded w/22% methanol & displ w/100 BFW loaded w/5 gals 1000 foamer. pmpd 500 gals 15% HCL 12 BFW, 12 bbls of caustic neutralizer & 19.5 BFW to clear flowline and separator. F - 3500 mcf/d.

7/1/98 - Az w/2500 gal 15% HCL acid.

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**Tubing Detail: (top to bottom)**

439 jts 2-7/8" 6.5# L80 - 13,799.03'

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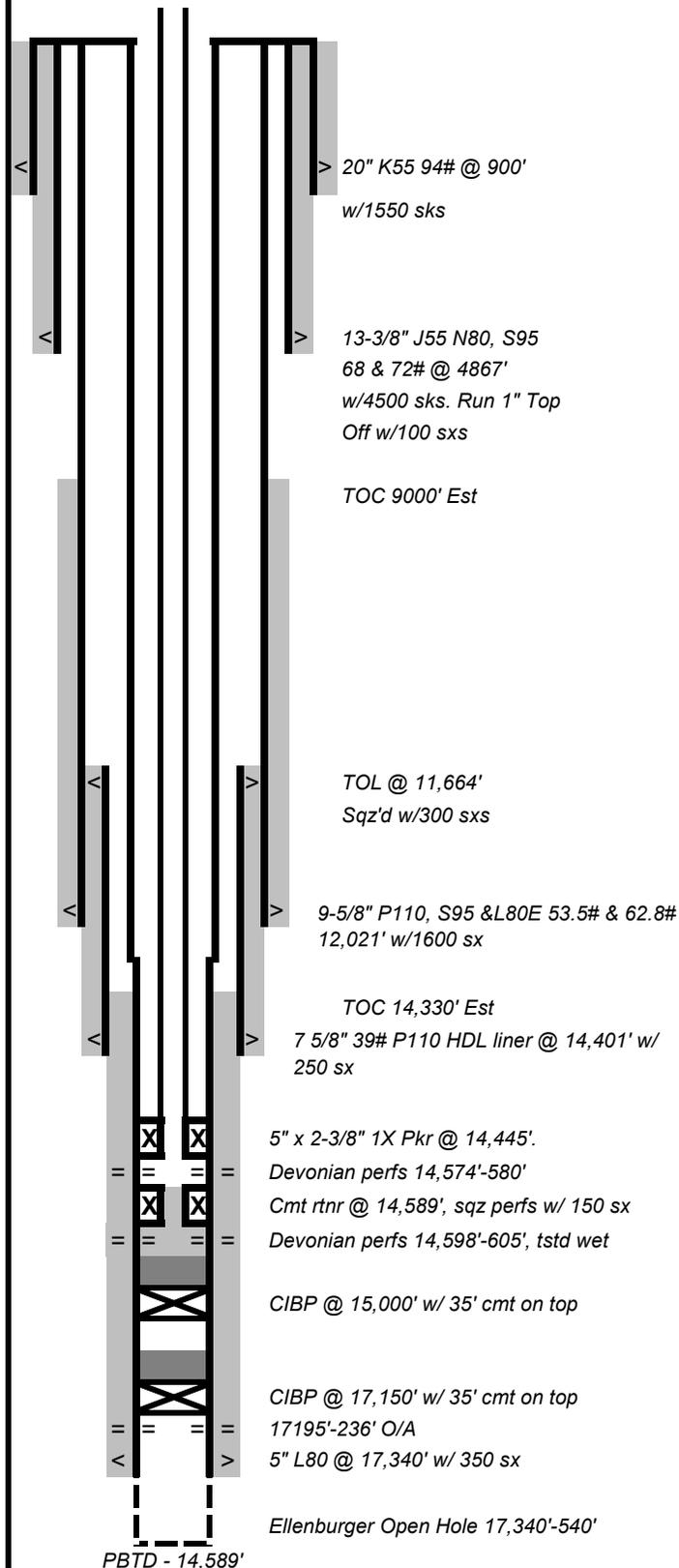
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TD 17,540'

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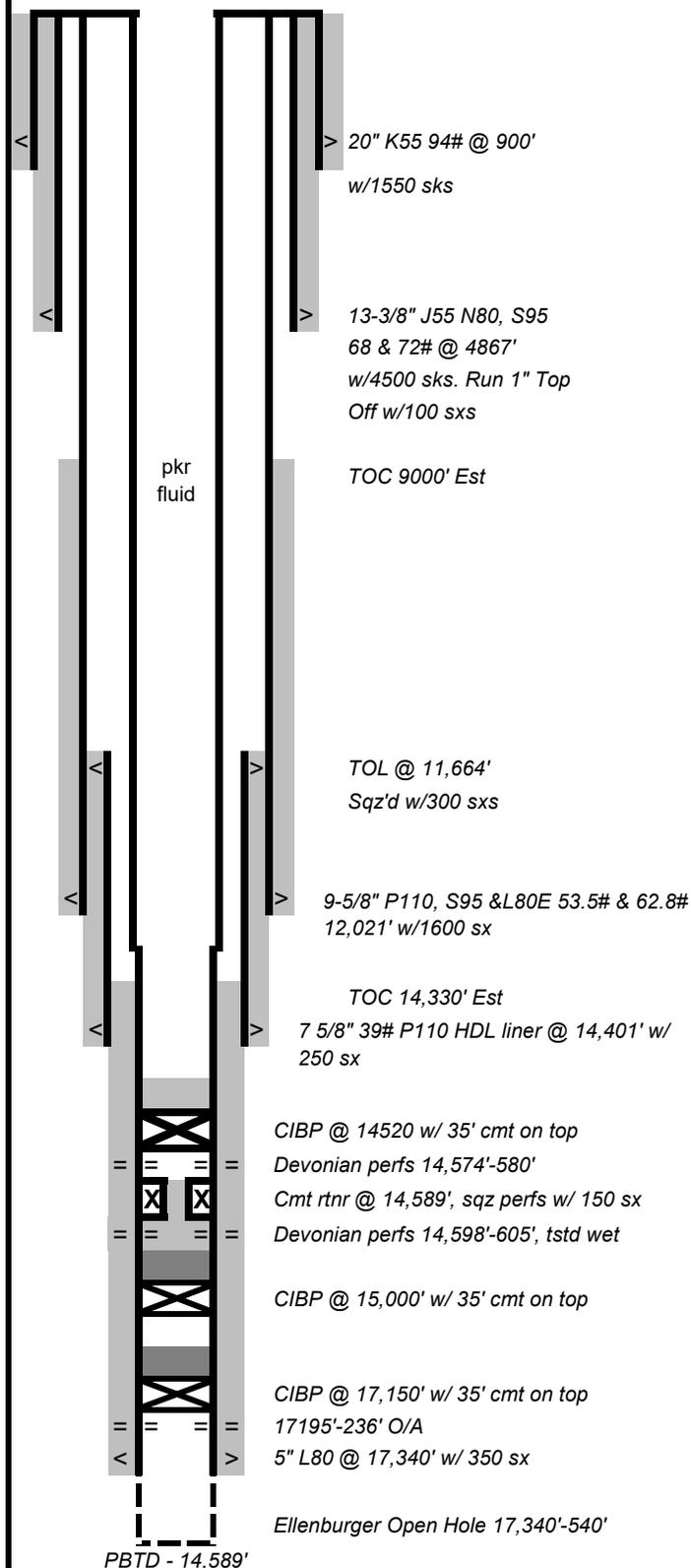
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- 5 1/2" 20# L80 LT&C - 8773'
- XO - 0.93'
- 5 1/2" 19.81# L80 (FJ?) - 2751', Top @ est. 11,382'
- XO - 0.85'
- 5" 18# L80 - approx 2715', Top @ estimated 14,134'
- Stage Collar - 2.15', Top @ 16,849'
- 5" 18# L80 - 45.53'
- ECP - 14.45', Top @ 16,897'
- 5" 18# L80 - 152.57'
- ECP - 14.45', Top @ 17,064'
- 5" 18# L80 - 260.06'
- Float Collar

TD 17,540'

Casing was correlated to log. EOC 17,340'

**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 Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 156740

**CONDITIONS**

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 156740
	Action Type: [C-103] NOI Temporary Abandonment (C-103I)

**CONDITIONS**

Created By	Condition	Condition Date
gcordero	None	3/3/2023