

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

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		WELL API NO. 30-025-08512
2. Name of Operator Kaiser-Francis Oil Company		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> FED <input type="checkbox"/>
3. Address of Operator P.O. Box 21468, Tulsa, OK 74121		6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u>H</u> : <u>2,310</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>East</u> line Section <u>8</u> Township <u>16S</u> Range <u>35E</u> NMPM County <u>Lea</u>		7. Lease Name or Unit Agreement Name State 8
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4,039' DF		8. Well Number #4
9. OGRID Number 12361		10. Pool name or Wildcat Townsend Wolfcamp

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

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

- Set 5-1/2" CIBP @ 10,336'. Circ hole w/ MLF. Pressure test csg. Spot 25 sx smt @ 10,336-10,236'. Spot 25 sx 8000 Abo
- Perf & Sqz 50 sx cmt @ 7,360-7,160'. (Tubbs)
- Perf & Sqz 50 sx cmt @ 4,703-4,503'. (8-5/8" Shoe & San Andres)
- Perf & Sqz 50 sx cmt @ 3,020-2,820'. WOC & Tag (B/Salt)
- Perf & Sqz 50 sx cmt @ 2,006'-1,806'. WOC & Tag (T/Salt)
- Perf & Sqz 90 sx cmt @ 400' to surface. (13-3/8" Shoe)
- Cut off well head, verify cmt @ surface, weld on dry hole maker

4" diameter 4' tall Above Ground Marker

SEE ATTACHED CONDITIONS
 OF APPROVAL

Spud Date: 11/4/55 Rig Release Date: 12/23/55

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

SIGNATURE *Christina Opfer* TITLE Regulatory Manager DATE 1/12/2022
 Type or print name Christina Opfer E-mail address ChristinaO@kfoc.net PHONE 918-491-4468

For State Use Only

APPROVED BY: *Kerry Fortner* TITLE Compliance Officer A DATE 2/11/22

Conditions of Approval (if any): 575-263-6633

Kaiser-Francis Oil Company
State 8 #4
API #30-025-08512
Proposed Plugging Procedure

Kaiser-Francis Oil Company is submitting a Notice of Intent, form C-103F, regarding the State 8 #4. Below is the planned plugging procedure.

1. Set 5-1/2" CIBP @ 10,336'. Circ hole w/ MLF. Pressure test csg. Spot 25 sx smt @ 10,336-10,236'. **Spot 25 sx 8000 Abo**
2. Perf & Sqz 50 sx cmt @ 7,360-7,160'. (Tubbs) **P&S 50 sx 6100 Glorieta**
3. Perf & Sqz 50 sx cmt @ 4,703-4,503'. (8-5/8" Shoe & San Andres)
4. Perf & Sqz 50 sx cmt @ 3,020-2,820'. WOC & Tag (B/Salt)
5. Perf & Sqz 50 sx cmt @ 2,006'-1,806'. WOC & Tag (T/Salt)
6. Perf & Sqz 90 sx cmt @ 400' to surface. (13-3/8" Shoe)
7. Cut off well head, verify cmt @ surface, weld on dry hole maker

WELL DIAGRAM - 8/26/15

STATE 8 #4

2310' FNL & 660' FEL

8-16S-35E

LEA COUNTY, NM

13 3/8" 48# H-40 @ 338'. Cmt'd w/ 400 sx. Circ. SPUD: 11/4/55 COMPL: 12/23/55 DF: 4039' (11' AGL)

COMPLETION:

PF: 10,406-426' WOLFCAMP

Acidize w/500 gal acid

8 5/8" 32# J55 and H40 @ 4641'. Cmt'd w/ 1700 sx. Circ.

Acidize w/1500 gal acid

Tubing Detail:

132 jts 2 7/8" L80/J55
192 jts 2 3/8" N80/J55 tbg
2 3/8" X 5 1/2" TAC @ 10,287'
3 jts 2 3/8" tbg
1 jt 2 3/8" IPC
1 25/32" SN @ 10,418'
4' perf sub
1 jt MA
EOT @ 10,454'

WO 5/60:

PF: 10,386-393' & 10,397-401' (4 spf)

Trtd w/3000 gal 15% NE acid

1988: 4 tubing leaks repaired

9/89: TL

11/89: TL. Replaced ~6400' of 2 3/8" w/ N-80.

WS 5/05: Tbg leak, split 17 jts above SN; SN full of rubber, pump change

WS 7/05: Rod part, pin break 229th rod – 3/4" replace

207 jts 2-3/8" and 127 jts 2-7/8"

WS: 6/07: Rod part

6/08: TL- tested back in hole. Busted 3 jts.

5/09: PC

8/11: PC

3/12: TL. Scan tbg out of hole. Replace 42 2 7/8" and 127 2 3/8" jts

10/12: Changed SL f/ 100" to 86"

8/15: **CSG leak:** Tag PBTB @ 10,472' w/ tbg. 2" square piece of casing came out w/ TAC. Hit tight spot @ 5469' going in hole w/ plug and pkr. Ran 4 3/4" tapered string mill to dress out tight spot. Isolated leak 5370-5407. Dug out and replaced 8 5/8" casing valves. Est inj: 2 BPM @ 500# returns up 5 1/2" X 8 5/8". Set retainer. Pumped 400 sx cmt. W/ 10 bbls to go on displacement, S/I 5 1/2" X 8 5/8" annulus. Hesitated and sqz'd up to 1000#. D/O ret and cement. Fell out @ 5395'. Tested sqz to 1000# w/ 5 1/2" X 8 5/8" open. Found wellhead packing between 5 1/2" and 8 5/8" leaking by. Negative test sqz over night. No entry. Pull RBP and put well back on line.

10/15: PC. Test tbg tp 750#. Found no issue w/ pump. Tag FL @ 10,200' w/ swab

Rod Detail

75-1" rods Grade D??
72-7/8" rods
259-3/4" rods
9 7/8" rods
Spiral rod guide
on/off tool
2" X 1 1/4" X 24' w/ GA
TOC @ ??????

10,386-393'

10,397-401'

10,402-426'

5-1/2" 15.5 & 17# J55/N80 @

10,525' w/300 sxs

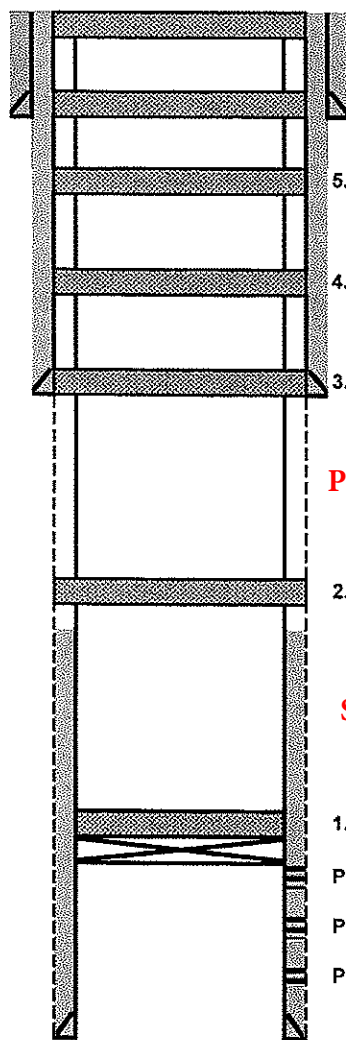
csg leak 5370-5407. Sqz'd w/ 400 sx

TD: 10,535'

PBTB: 10492'

Kaiser Francis Oil Company		Proposed	
Author:	Abby BCM	Well No.	#4
Well Name	State 8	API #:	30-025-08512
Field/Pool	Townsend Wolfcamp	Location:	Sec 8, T16S, R35E
County	Lea		2310 FNL & 660 FEL
State	New Mexico	GL:	4029
Spud Date	11/4/1955		

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	13 3/8	H40	48#	350	17 1/2	400	0
Inter Csg	8 5/8	J55 & H40	32#	4,653	11	1,700	0
Prod Csg	5 1/2	J55 & N80	15.5 & 17#	10,536	7 7/8	300	8251' Calc



- 13 3/8 48# CSG @ 350
6. Perf & Sqz 90 sx cmt @ 400' to surface. (13 3/8" Shoe)
5. Perf & Sqz 50 sx cmt @ 2006-1806'. WOC & Tag (T/Salt)
4. Perf & Sqz 50 sx cmt @ 3020-2820'. WOC & Tag (B/Salt)
- 8 5/8 32# CSG @ 4,653
3. Perf & Sqz 50 sx cmt @ 4703-4503'. (8 5/8" Shoe & San Andres)

P&S 50 sx 6100 Glorieta

2. Perf & Sqz 50 sx cmt @ 7360-7160'. (Tubbs)

Spot 25 sx 8000 Abo

1. Set 5 1/2" CIBP @ 10,336'. Circ hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 10,336-10,236'.

Perfs @ 10,386-10,393

Perfs @ 10,397-10,401

Perfs @ 10,402-10,426

5 1/2 15.5 & 17# CSG @ 10,536

DPB @ 10,492
TD @ 10,535

Formation	Top
Anhy	1797
T/Salt	1956
B/Salt	2970
Yates	3028
San Andres	4574
Glorieta	6150
Tubbs	7307
Abo	7945
?	9505

**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, WOC 4 hours and tag, this plug will be 50' 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, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing.

DRY HOLE MARKER REQUIREMENTS

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 ¼" 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

Kaiser-Francis Oil Company
State 8 #4
API #30-025-08512
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9 7/8" rods
Spiral rod guide
on/off tool
2" X 1 1/4" X 24' w/ GA
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10,525' w/300 sxs

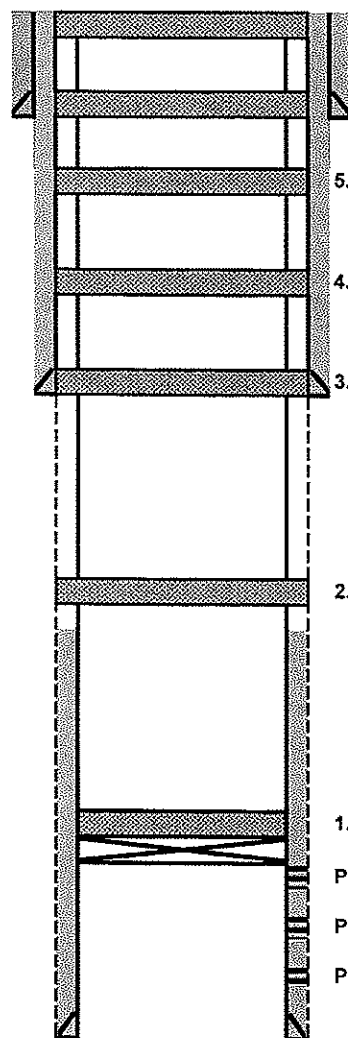
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County	Lea		2310 FNL & 660 FEL
State	New Mexico	GL:	4029
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DPB @ 10,492
TD @ 10,535

Formation	Top
Anhy	1797
T/Salt	1956
B/Salt	2970
Yates	3028
San Andres	4574
Glorieta	6150
Tubbs	7307
Abo	7945
?	9505

District I
1625 N. French Dr., Hobbs, NM 88240
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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 72157

CONDITIONS

Operator: KAISER-FRANCIS OIL CO P.O. Box 21468 Tulsa, OK 74121	OGRID: 12361
	Action Number: 72157
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached conditions of approval Note changes to procedure	2/11/2022