

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM15321
2. Name of Operator KAISER FRANCIS OIL COMPANY		6. If Indian, Allottee or Tribe Name
Contact: ERIC HANSEN E-Mail: Erich@KFOC.net		7. If Unit or CA/Agreement, Name and/or No.
3a. Address TULSA, OK 74121-1468	3b. Phone No. (include area code) Ph: 918-491-4339	8. Well Name and No. RED HILLS 602H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T25S R33E NESW 2400FSL 1715FWL 32.086391 N Lat, 103.614380 W Lon		9. API Well No. 30-025-45384-00-X1
		10. Field and Pool or Exploratory Area JENNINGS
		11. County or Parish, State LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Onshore Order Variance
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Kaiser Francis Oil Company request a variance of the 10,000 PSI Annular requirement for drilling the well listed below.

Red Hills 602H

Kaiser Francis Oil Company will use a 5,000 PSI annular BOP with a 10,000 PSI BOP stack. Similar wells: Red Hills 402H and Red Hills 403H were drilled with a 5,000 PSI annular BOP, the Red Hills 602H will be drilled identical to the 402H. Additional BOP and well control information is attached. Kaiser Francis has not had any issues with using the 5K annular BOP.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #483734 verified by the BLM Well Information System For KAISER FRANCIS OIL COMPANY, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 09/18/2019 (19PP3197SE)	
Name (Printed/Typed) ERIC HANSEN	Title DRILLING ENGINEER
Signature (Electronic Submission)	Date 09/17/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>DYLAN ROSSMANGO</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>09/25/2019</u>
Conditions of approval, if any, are attached. Approval of this notice 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.		Office Hobbs

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.

(Instructions on page 2)

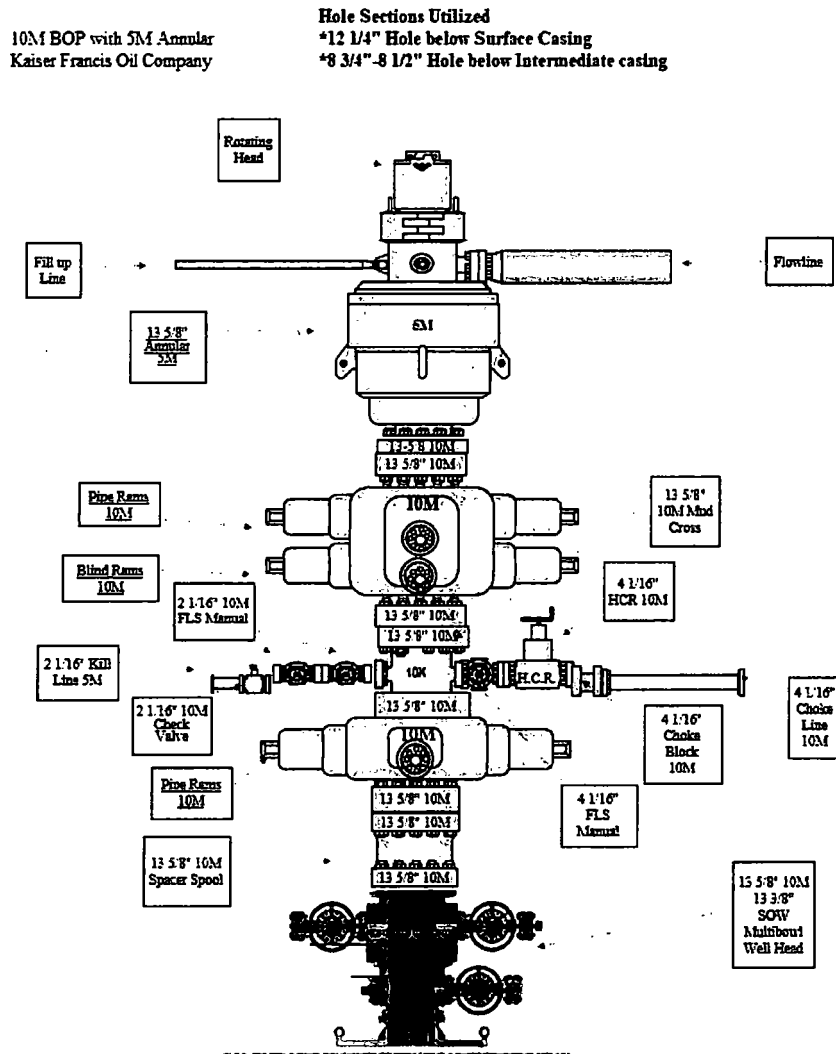
**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

K-2

Kaiser Francis Oil Co. 10K Annular Variance Request

Kaiser Francis Oil Co. request a variance to use a 5K psi annular BOP with a 10K BOP stack. Attached are Kaiser Francis Oil Co. minimum processes required to assure a proper shut-in while drilling, tripping, open hole, and moving BHA through the BOPs. A minimum of one well control drill will be performed weekly per tour, to regulate compliance with well control procedures and plans. Drills will be determined by operations, and will variate on drills conducted. Drills will consist of but are not limited to pit, trip, open hole, and choke drills. This well control plan will be available for review to all rig personnel. A copy of well control plan will be located in the Kaiser Francis Oil Co. representative's office on location, and on the rig floor during drilling operations. All BOP equipment will be tested per Onshore O&G Order No. 2 with the exception of the 5K annular which will be tested to 70% of it rated working pressure.

A. BOP Diagram



**Kaiser Francis Oil Co.
10K Annular Variance Request**

B. Component and Preventer Compatibility Table

Component	OD	Preventer	RWP
Drill Pipe	4 1/2"	Upper VBR: 3.5 – 5.5 Lower VBR: 3.5 – 5.5	10M
Heavyweight Drill Pipe	4 1/2"	Upper VBR: 3.5 – 5.5 Lower VBR: 3.5 – 5.5	10M
Drill Collars & MWD Tools	6 1/4"-4 3/4"	Annular Upper VBR: 3.5 – 5.5 Lower VBR: 3.5 – 5.5	5M 10M 10M
Mud Motor	8"-4 3/4"	Annular Upper VBR: 3.5 – 5.5 Lower VBR: 3.5 – 5.5	5M 10M 10M
Production Casing	5 1/2"	Upper VBR: 3.5 – 5.5 Lower VBR: 3.5 – 5.5	10M
Surface Casing	10-3/4"	Annular	5M
Intermediate Casing	7-5/8"	Annular	5M
All	0 – 13 5/8"	Annular	5M
Open Hole		Blind Rams	10M

C. Well Control Procedures

- I. General Procedures While Drilling:
 - a. Sound alarm – alert crew
 - b. Space out drill string
 - c. Shut down pumps and stop rotary
 - d. Open HCR
 - e. Shut well in, utilizing upper VBRs
 - f. Close choke
 - g. Confirm shut in
 - h. Notify rig manager and KFOC, Inc. company representative
 - i. Call KFOC, Inc. engineer
 - j. Read and record:
 - i. Shut in drill pressure and shut in casing pressure
 - ii. Pit gain
 - iii. Time
 - k. Regroup, identify forward plan
- II. General Procedures While Tripping:
 - a. Sound alarm – alert crew
 - b. Stab full opening safety valve and close
 - c. Space out drill string
 - d. Open HCR

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- e. Shut well in, utilizing upper VBRs
- f. Close choke
- g. Confirm shut in
- h. Notify rig manager and KFOC. company representative
- i. Call KFOC. engineer
- j. Read and record:
 - i. Shut in drill pressure and shut in casing pressure
 - ii. Pit gain
 - iii. Time
- k. Regroup, identify forward plan

III. General Procedures While Running Casing:

- a. Sound alarm – alert crew
- b. Stab full opening safety valve and close
- c. Space out drill string
- d. Open HCR
- e. Shut well in, utilizing upper VBRs
- f. Close choke
- g. Confirm shut in
- h. Notify rig manager and KFOC company representative
- i. Call KFOC engineer
- j. Read and record:
 - i. Shut in drill pressure and shut in casing pressure
 - ii. Pit gain
 - iii. Time
- k. Regroup, identify forward plan

IV. General Procedures With No Pipe in Hole (Open Hole):

- a. Sound alarm – alert crew
- b. Open HCR
- c. Shut well in with blind rams
- d. Close choke
- e. Confirm shut in
- f. Notify rig manager and KFOC company representative
- g. Call KFOC engineer
- h. Read and record:
- i. Shut in drill pressure and shut in casing pressure
 - ii. Pit gain
 - iii. Time
- j. Regroup, identify forward plan

V. General Procedures While Pulling BHA Through BOP Stack:

- 1. Prior to pulling last joint of drill pipe through stack A.
 - Perform flow check and if flowing:
 - a. Sound alarm – alert crew
 - b. Stab full opening safety valve and close
 - c. Space out drill string with tool joint just beneath upper pipe ram

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- d. Open HCR
 - e. Shut well in utilizing upper VBRs
 - f. Close choke
 - g. Confirm shut in
 - h. Notify rig manager and KFOC company representative
 - i. Call KFOC engineer
 - j. Read and record:
 - i. Shut in drill pressure and shut in casing pressure
 - ii. Pit gain
 - iii. Time
 - k. Regroup, identify forward plan
2. With BHA in the BOP stack and compatible ram preventer and pipe combo immediately available.
- a. Sound alarm – alert crew
 - b. Stab full opening safety valve and close
 - c. Space out drill string with tool joint just beneath upper pipe ram
 - d. Open HCR
 - e. Shut well in utilizing upper VBRs
 - f. Close choke
 - g. Confirm shut in
 - h. Notify rig manager and KFOC. company representative
 - i. Call KFOC engineer
 - j. Read and record:
 - i. Shut in drill pressure and shut in casing pressure
 - ii. Pit gain
 - iii. Time
 - k. Regroup, identify forward plan
3. With BHA in the BOP stack and no compatible ram preventer and pipe combo immediately available
- a. Sound alarm – alert crew
 - b. If possible to pick up high enough, pull string clear of the stack and follow Open Hole scenario (III)
 - c. If impossible to pick up high enough to pull the string clear of the stack:
 - i. Stab crossover, make up one joint/stand of drill pipe and full opening safety valve and close
 - ii. Space out drill string with tool joint just beneath the upper pipe ram
 - iii. Open HCR
 - iv. Shut in utilizing upper VBRs
 - v. Close choke
 - vi. Confirm shut in
 - vii. Notify rig manager and Mesquite SWD, Inc. company representative
 - viii. Read and record:
 - 1. Shut in drill pipe pressure and shut in casing pressure
 - 2. Pit gain
 - 3. Time

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d. Regroup and identify forward plan

**** If annular is used to shut in well and pressure build to or is expected to get to 50% of RWP, confirm space-out and swap to upper VBRs for shut in.**

**EC483734 - Variance Request
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	Kaiser Francis Oil Company
LEASE NO.:	NMNM15321
WELL NAME & NO.:	Red Hills 602H
LOCATION:	Section 31, T 25S, R 33E, NMPM
COUNTY:	Lea County, New Mexico

1. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi**.
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M) psi**. **Variance approved to use a 5M annular. The annular must be tested to full working pressure (5000 psi).**

All other previous Conditions of Approval still apply.

9/25/2019 DR