

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.5. Lease Serial No.
NMNM15321

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
RED HILLS FEDERAL 105H9. API Well No.
30-025-46743-00-X110. Field and Pool or Exploratory Area
AVALON SHALE11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KAISER FRANCIS OIL COMPANY

Contact: ERIC HANSEN

E-Mail: EricH@KFOC.net

3a. Address

TULSA, OK 74121-1468

3b. Phone No. (include area code)

Ph: 918-491-4339

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 31 T25S R33E NESW 2364FSL 1795FWL
32.086292 N Lat, 103.614128 W Lon**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	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 request to change the Red Hills 105H APD# 10400041725(FKA Red Hills 502H) target formation and casing design. The target formation is now the Avalon formation. Attached is updated wellhead info, GBCD connection spec sheet, cement design, casing design, directional plans, and any pertinent data. A similar well Red Hills 103H was drilled on this same pad. The Red Hills 105H will be modeled after that well. KFOC plans on drilling the Red Hills 105H from an already existing pad Red Hills Pad 2. Drilling the well from the existing location will reduce environmental impact and reduce economic waste.

Casing design will be changed to the following.

Surface --> 950' 13-3/8" 54.5# J-55 BTC set in 17-1/2" hole drilled with Fresh water. Cement will be brought to surface, 597 sacks minimum will be pumped. Using over 30% excess in the cement

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #497659 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 01/13/2020 (20PP0896SE)**

Name (Printed/Typed) ERIC HANSEN

Title DRILLING ENGINEER

Signature (Electronic Submission)

Date 01/03/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By DYLAN ROSSMANGO

Title PETROLEUM ENGINEER

Date 01/22/2020

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 ****

Additional data for EC transaction #497659 that would not fit on the form**32. Additional remarks, continued**

calculation.

Intermediate--> 4950' 9-5/8" 40# L-80 LTC set in 12-1/4" hole drilled with Brine. Cement will be brought to surface, over 1000 sacks of cement will be pumped, using a 30% excess in the cement calculation.

Production --> 15,589' 5-1/2" 20# P-110 GBCD set in 8-1/2" hole drilled with cut Brine. Attached is a sheet with safety factors. Cement will be brought up to 3800'. Over 2100 sack of cement will be pumped using a 10%excess in the calculation.

Safety factors are as follows:

Collapse Tensile	Burst Tensile	Body Tensile	Joint
2.5	6.1	16.5	17.6
1.2	2.2	4.6	3.7
2.3	2.7	3.2	3.4

Formation tops are as follows TVD:

Rustler	860
Salado	1200
Top of Salt	2005
Base of Salt	4450
Lamar	4750
Bell Canyon	4870
Cherry Canyon	5860
Brushy Canyon	8600
LBC	8800
Avalon	9010
1 BSS	9950
2 BSS	10510

Revisions to Operator-Submitted EC Data for Sundry Notice #497659

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM15321	NMNM15321
Agreement:		
Operator:	KAISER FRANCIS OIL COMPANY 6733 SOUTH YALE AVE TULSA, OK 74136 Ph: 918-491-4339	KAISER FRANCIS OIL COMPANY TULSA, OK 74121-1468 Ph: 918-491-4314
Admin Contact:	ERIC HANSEN DRILLING ENGINEER E-Mail: EricH@KFOC.net Ph: 918-491-4339	ERIC HANSEN DRILLING ENGINEER E-Mail: EricH@KFOC.net Ph: 918-491-4339
Tech Contact:	ERIC HANSEN DRILLING ENGINEER E-Mail: EricH@KFOC.net Ph: 918-491-4339	ERIC HANSEN DRILLING ENGINEER E-Mail: EricH@KFOC.net Ph: 918-491-4339
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	WOLFCAMP JENNINGS	AVALON SHALE
Well/Facility:	RED HILLS 105H Sec 31 T25S R33E Mer NMP FSL FWL	RED HILLS FEDERAL 105H Sec 31 T25S R33E NESW 2364FSL 1795FWL 32.086292 N Lat, 103.614128 W Lon

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 379066

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 379066
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	1/7/2025
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing.	1/7/2025