

Well Name: RED HILLS	Well Location: T26S / R33E / SEC 6 / NENE / 32.0779322 / -103.6049509	County or Parish/State: LEA / NM
Well Number: 01	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM15321	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002525049	Operator: KAISER FRANCIS OIL COMPANY	

Notice of Intent

Sundry ID: 2814868

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 10/02/2024	Time Sundry Submitted: 08:05
Date proposed operation will begin: 10/16/2024	

Procedure Description: Proposed P&A procedure for Red Hills Fed 01, 30-025-25049. Current and P&A WBD attached. Kill both strings w/ plugging mud. ND WH. NU BOP. Round-trip gauge ring/JB. Run free-point on long string. Set CIBP in long string above dual packer @ 13,333'. Cut long string and attempt to circulate annulus. Pull long string. Work Short string free and POOH. Set CIBP @ 13,300'. Circ hole w/ plugging mud. Spot 75sx class H f/ 13300-13100' (CIBP/9 5/8" shoe plug) Spot 50sx Class H f/ 12120-12020 (Wolfcamp top plug) Free-point 7" casing. Cut and pull ~11,750' of 7" casing Spot 120sx Class H f/ 11800-11600' (7" stub/3BSS top) Spot 75sx Class H 10560-10460 (2 BSS top) Spot 75sx Class H 10000-9900 (1 BSS top) Spot 75sx Class H 9060-8960 (Avalon top) Spot 85sx Class H 8650-8471 (Brushy Canyon/DV Tool plug) WOC and tag. Perf @ 5910 and Sqz 100 sx Class C f/ 5910-5810 (Cherry Canyon Plug) Free-point 9 5/8" casing. Cut and pull ~4,900' of 9 5/8" casing. Spot 120sx Class C f/ 4950-4800' (13 3/8" shoe plug). Spot 105 sx f/ 4500-4400' (Base of salt plug). WOC and tag. Spot 200sx f/ 2050-1775 (top of salt/DV tool plug). WOC and tag Spot 105sx f/ 845-745' Spot cement f/ 0-100' Cut off wellhead 4' below ground level. Weld on P&A marker. Restore location.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Red_Hills_Fed__1_WBD_20241002080524.pdf

Received by OCD: 12/16/2024 2:28:32 PM

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US Well Number: 3002525049	Operator: KAISER FRANCIS OIL COMPANY	

Conditions of Approval

Specialist Review

RED_HILLS_FED_1__2814868__COA_AND_PROCEDURE_20241215101814.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: OCT 02, 2024 08:05 AM
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:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

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: 12/15/2024
Signature: KEITH IMMATTY	

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
SUNDRY NOTICES AND REPORTS ON WELLS <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No. NMNM15321
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. RED HILLS/01
2. Name of Operator KAISER FRANCIS OIL COMPANY		9. API Well No. 3002525049
3a. Address 6733 S. Yale Ave., Tulsa, OK 74121	3b. Phone No. (include area code) (918) 491-0000	10. Field and Pool or Exploratory Area RED HILLS-BONE SPRING, NORTH/RED HILLS-BONE SPRING, NORTH
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 6/T26S/R33E/NMP		11. Country or Parish, State LEA/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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recompleate 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 perfonned 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 recompleation 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 detennined that the site is ready for final inspection.)

Proposed P&A procedure for Red Hills Fed 01, 30-025-25049. Current and P&A WBD attached.

Kill both strings w/ plugging mud. ND WH. NU BOP.

Round-trip gauge ring/JB. Run free-point on long string.

Set CIBP in long string above dual packer @ 13,333.

Cut long string and attempt to circulate annulus. Pull long string. Work Short string free and POOH.

Set CIBP @ 13,300. Circ hole w/ plugging mud. Spot 75sx class H f/ 13300-13100 (CIBP/9 5/8 shoe plug)

Spot 50sx Class H f/ 12120-12020 (Wolfcamp top plug)

Free-point 7 casing. Cut and pull ~11,750 of 7 casing

Spot 120sx Class H f/ 11800-11600 (7 stub/3BSS top)

Spot 75sx Class H 10560-10460 (2 BSS top)

Spot 75sx Class H 10000-9900 (1 BSS top)

Spot 75sx Class H 9060-8960 (Avalon top)

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) CHRISTINA OPFER / Ph: (918) 491-4468	Title Regulatory Manager
Signature (Electronic Submission)	Date 10/02/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by KEITH P IMMATTY / Ph: (575) 988-4722 / Approved	Title ENGINEER	Date 12/15/2024
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 CARLSBAD	

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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

Spot 85sx Class H 8650-8471 (Brushy Canyon/DV Tool plug) WOC and tag.

Perf @ 5910 and Sqz 100 sx Class C f/ 5910-5810 (Cherry Canyon Plug)

Free-point 9 5/8 casing. Cut and pull ~4,900 of 9 5/8 casing.

Spot 120sx Class C f/ 4950-4800 (13 3/8 shoe plug).

Spot 105 sx f/ 4500-4400 (Base of salt plug). WOC and tag.

Spot 200sx f/ 2050-1775 (top of salt/DV tool plug). WOC and tag

Spot 105sx f/ 845-745

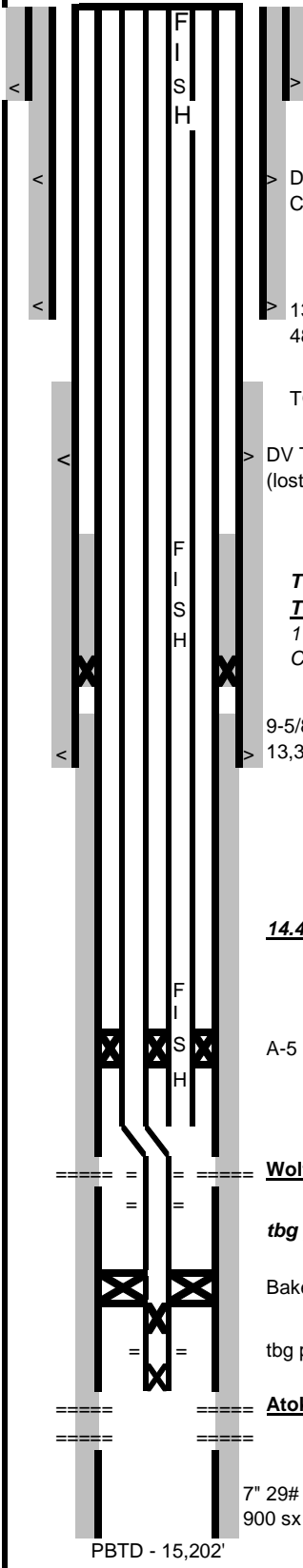
Spot cement f/ 0-100

Cut off wellhead 4 below ground level. Weld on P&A marker. Restore location.

Location of Well

0. SHL: NENE / 660 FNL / 660 FEL / TWSP: 26S / RANGE: 33E / SECTION: 6 / LAT: 32.0779322 / LONG: -103.6049509 (TVD: 0 feet, MD: 0 feet)

BHL: NENE / 660 FNL / 660 FEL / TWSP: 26S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

Kaiser-Francis Oil Company		Red Hills Federal #1	
Location:	Section 6, T26S, R33E 660FNL 660	API:	30-025-25049
Field:	Red Hills		
County:	Lea	Spud Date:	7/21/75
State:	New Mexico	Completed:	11/75
Elevation:	KB - 3372' GL - 3346.7'	Diagram Updated:	6/18/15
Work History:			
		<p>11/75-Well drilled by Mesa Petroleum Co. to 15,249'. Mild Dev. Noted film of oil on pits @ 9740'. DST #1 9702-9978'. Weak to fair blow. Rec mud. Drilling breaks: 13,459-62, 13,486' (M/C 14.5-14.1), 13,518. Took gain at 13,675' w/ 14# mud. Drilling break: 14,812-36 (MC f/ 14.1 to 13.8)</p> <p>11/75-Cmt'd 7" liner, but well still wanting to flow. Found cmt on liner top. Tested to 4500#. Couldn't pump into. Ran 7" tie-back. Cemented w/ 250sx and stabbed into liner w/ 25,000# S/O.</p> <p>11/75-Perf'd Atoka: 14,616, 23, 27, 32, 45, 49, 63, 67, 69, 73, 75, 95, 99, 706, 10, 15, 18, 20, 33, 36, 39, 45, 47, 50, 53, 55, 821, 25, 28, 31, 39, 41, 45, 48, 52, 56, 60, 77-84, 88-94 1 SPF (52 holes) w/ csg gun. Ran perm pkr & tbg</p> <p>11/75-Jetted well in w/ CT. Acidized Atoka down 2 3/8" w/ 6000 gal 15% DS-30 + 75 BS + 500 scf/bbl N2. AP-8000 AR-3.8. ISIP-6150#. Well IP'd 1.5 MMcf/d @ 1100# on 16/64"</p> <p>11/75-Acidized Atoka down 2 3/8" w/ 27,000 gal 20% Series 72 acid in 9 stages w/ BS. AP-8000 AR-6. ISIP-5700#. Well flowing 2MMcf/d w/ 900# on 1/4" ck.</p> <p>12/75-Kill well w/ 14.4# mud. Set plug in tailpipe below pkr @ 14,540'. Circ hole w/ 14.4# mud. Perf Wolfcamp: 13,431', 39, 54, 56, 58, 60, 62, 73, 75, 77, 83, 90, 92, 98, 511, 13, 23, 30, 44, 63, 79, 95, 97, 99, 621, 23, 25, 27, 29, 31, 43, 45, 47, 49, 51, 53. (72 holes) Had to circ gas out of well post perf</p> <p>12/75-Ran Hyd pkr on long string. Displace tbg w/ FW. Tried to stab into Model D- could not. Rev out FW and circ out gas w/ 14.4#. Stung into Mod D. Ran short string and set Hyd pkr.</p> <p>12/75-Jetted mud f/ long string w/ 3/4" CT. Could not retrieve plug at 14,540'. Perf'd tbg 14,530-34 w/ 9 1/4" bullets.</p> <p>12/75-Jetted mud f/ short string w/ 3/4" CT. Az Wolfcamp down 2 3/8" w/ 5000 gal 15% regular acid in 9 stages w/ 96 BS. AR-4 AP-7400 ISIP-2300 15-700#</p> <p>12/75-Wolfcamp flowing 7-10 MMcf/d w/ 1900# FTP on 24/64" ck + cond. Atoka SITP-9561#.</p> <p>1/89-Frac Wolfcamp down 2 3/8" tbg w/ 8000 gal gelled 15% HCl foamed to 60Q + 60 BS. AP-2400#.</p> <p>3/89-Lost pressure bombs in F-nipple @ 13,333' in short string. Lost tools and 13,300' of wireline. Lost additional tools tring to fish bombs and wire at 299' (detail on 3rd page)</p> <p>5/89-Set plug in long string at 14,508' (isolating Atoka-depleted?). Perf long string 13,695-97 (in blast joint). Tried to unload long string by injecting N2 down the short string-could not. Re-perf'd long string 13,490-93. Flowed both strings to sales. Tbg perfs shot in blast joints</p> <p>8/95-Jetted long string w 1 1/4" CT. SD @ 13,494'. Rec 1.25 BW, very little N2</p> <p>11/02-Az well w/ 1000 gal 20% Acetic dwn long string. Flushed w/ 10,500 scf N2</p> <p>3/03-Pumped 165 Mscf N2 down long string and returned 5 BW up short string.</p> <p>10/14-Re-installed Compressor</p>	
		<p>20", 94# H-40 STC @ 795'. Cmt'd w/ 1500 sx. Circ.</p>	
		<p>DV Tool @ 1826'. Cmt'd w/ 2100 sx. Circ. Topped w/ 7 yds</p>	
		<p>13 3/8" 54.5, 61# & 68# s80/k55 @ 4850. Cmt'd w/ 950 sx.</p>	
		<p>TOC @ 7460' (temp)</p>	
		<p>DV Tool @ 8521'. Cmt'd w/ 1350 sx (lost ret)</p>	
		<p>TOL @ 12,899'. Tst'd to 4500# Tie-back: 7", 29& 32# S-95 and P- 110 Hydril SFJP/Trip seal to surf. Cmt'd w/ 250 sx</p>	
		<p>9-5/8" 43.5, 47 & 53.5# N-80 & S-95 @ 13,300'. Cmt'd w/ 2300sx</p>	
		<p>Tubing Detail Dual strings of 2 3/8" 5.95# Detail on following sheet</p>	
		<p>14.4# Mud on backside</p>	
		<p>A-5 Hyd dual pkr set @ 13,333'</p>	
		<p>Wolfcamp: 13,431'-653' OA</p>	
		<p>tbg perfs @ 13,695' & 13,490'</p>	
		<p>Baker Model D @ 14,475'</p>	
		<p>tbg perfs</p>	
		<p>Atoka: 14,616-894' OA</p>	
		<p>7" 29# S-95 Hydril @ 15,248'. Cmt'd w/ 900 sx Class H.</p>	
		<p>PBTD - 15,202' TD - 15,249'</p>	

Short String

Split hanger

4.7# P-110 CS pin X RAB-DSS-HT pin XO

2 3/8", 5.95# pup joints

400 jts 2 3/8", 5.95#, N-80 RAB-DSS-HT tubing

1.62" ID Baker F Nipple @ 13,322' (pressure bombs stuck)

2 3/8" RAB-DSS-HT X 2 3/8" 8RD XO

Baker "C" selective J-lock seal nipple

EOT @ 13,325.8'

12,000# set on string

Long String

Split hanger

4.7# P-110 CS pin X PH-6 pin XO

2 3/8" 5.95# N-80 PH-6 subs

386 jts 2 3/8" 5.95# N-80 PH-6 IPC tbg

2 3/8" PH-6 box X 2 3/8" NU 10RD box XO

Baker Model A-5 hydraulic dual packer @ 13,333'

2 3/8" NU 10R box X 2 3/8" PH-6 pin XO

2 blast join: **Blast joints: 13,418-13,679'**

11 blast joints 3.062" X 1.995" w/ 8RD threads

2 3/8" 8RD box X 2 3/8" PH-6 pin XO

24 jts 2 3/8" 5.95# N-80 PH-6 IPC tbg

1.62" ID Baker F nipple @ 14,441'

1 jt 2 3/8" PH-6 IPC tbg

80-26 Baker model G seal assembly w/ 8 seal units

Baker Model D packer @ 14,475'

5"X 20' 23# N-80 millout extension

5" 8RD X 2 3/8" 8RD XO

10' X 2 3/8" 4.7# N-80 pup

1.56" ID Baker F-nipple @ 14,508' w/ plug in place

1 jt 2 3/8" 4.7# N-80 EUE 8RD

1.50" ID Baker F-nipple @ 14,541' w/ BCF plug (stuck)

2 3/8" pump-out plug housing

EOT @ 14,548.64'

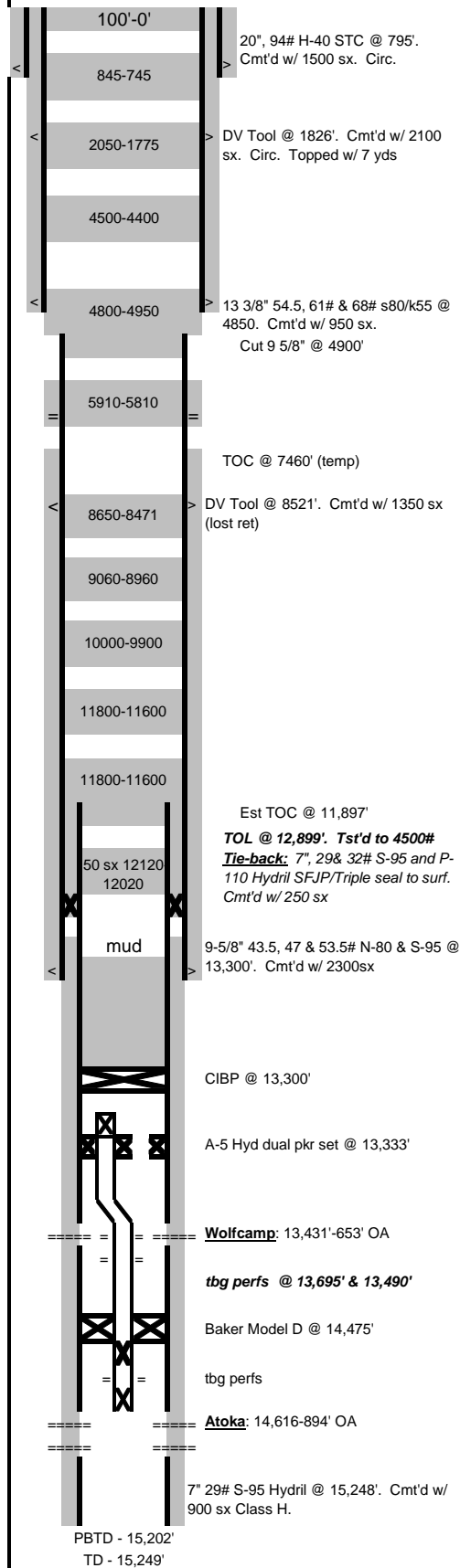
10,000# set on string

Fish #1

1 1/2" OD w/ 1 3/8" fishing neck of JDC safety release @ 265'
1 3/4" overshot w/ 1" grapple
Rope socket w/ 1" fishing neck
4 X 1 1/2" X 6' sinker bars
Collar locator
1 3/4" X 8' sinker bars
1 1/2" wireline jars
1 3/4" oil jars
1.5" grapple (overshot OD Bowen 1 3/4" & 1 25/32")
1 1/2" wireline jars
1 3/4" wireline grab @ 299'

Fish #2

13,380' of 0.092" slickline
1 1/2" rope socket (1 3/8" fishing neck)
2 X 1 1/2" X 5' sinker bars
1 1/2" knuckle joint (6" long)
1 1/2" spang jars (18" stroke)
1 1/2" knuckle joint (6" long)
2" SB pulling tool (1 3/4" OD)
1 1/2" rope socket w/ 1 3/8" fishing neck
1 1/4" catch for rope socket body (1 21/32" OD)
1 1/4" rope socket w/ 1 3/16" fishing neck
5' X 1 1/4" sinker bar
1 1/4" knuckle joint
1 1/4" spang jars (18" stroke)
1 1/4" knuckle joint
1 3/4" OD X 7/8" catch Gravel Girdy??
1 1/4" OD Soft set release head
1 1/4" OD Hanger catcher for 2" tubing
1 1/4" OD X 6' bottom hole pressure element
1 1/4" OD Middle Bomb connector
1 1/4" X 6' Bottom hole pressure element
1.67" OD No-go @ 13,323'

Kaiser-Francis Oil Company		Red Hills Federal #1 Proposed P&A	
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Field:	Red Hills		
County:	Lea	Spud Date:	7/21/75
State:	New Mexico	Completed:	11/75
Elevation:	KB - 3372' GL - 3346.7'	Diagram Updated:	6/18/15
Work History:			
		<p>11/75-Well drilled by Mesa Petroleum Co. to 15,249'. Mild Dev. Noted film of oil on pits @ 9740'. DST #1 9702-9978'. Weak to fair blow. Rec mud. Drilling breaks: 13,459-62, 13,486' (M/C 14.5-14.1), 13,518. Took gain at 13,675' w/ 14# mud. Drilling break: 14,812-36 (MC f/ 14.1 to 13.8)</p> <p>11/75-Cmt'd 7" liner, but well still wanting to flow. Found cmt on liner top. Tested to 4500#. Couldn't pump into. Ran 7" tie-back. Cemented w/ 250sx and stabbed into liner w/ 25,000# S/O.</p> <p>11/75-Perf'd Atoka: 14,616, 23, 27, 32, 45, 49, 63, 67, 69, 73, 75, 95, 99, 706, 10, 15, 18, 20, 33, 36, 39, 45, 47, 50, 53, 55, 821, 25, 28, 31, 39, 41, 45, 48, 52, 56, 60, 77-84, 88-94 1 SPF (52 holes) w/ csg gun. Ran perm pkr & tbg</p> <p>11/75-Jetted well in w/ CT. Acidized Atoka down 2 3/8" w/ 6000 gal 15% DS-30 + 75 BS + 500 scf/bbl N2. AP-8000 AR-3.8. ISIP-6150#. Well IP'd 1.5 MMcf/d @ 1100# on 16/64"</p> <p>11/75-Acidized Atoka down 2 3/8" w/ 27,000 gal 20% Series 72 acid in 9 stages w/ BS. AP-8000 AR-6. ISIP-5700#. Well flowing 2MMcf/d w/ 900# on 1/4" ck.</p> <p>12/75-Kill well w/ 14.4# mud. Set plug in tailpipe below pkr @ 14,540'. Circ hole w/ 14.4# mud. Perf Wolfcamp: 13,431', 39, 54, 56, 58, 60, 62, 73, 75, 77, 83, 90, 92, 98, 511, 13, 23, 30, 44, 63, 79, 95, 97, 99, 621, 23, 25, 27, 29, 31, 43, 45, 47, 49, 51, 53. (72 holes) Had to circ gas out of well post perf</p> <p>12/75-Ran Hyd pkr on long string. Displace tbg w/ FW. Tried to stab into Model D- could not. Rev out FW and circ out gas w/ 14.4#. Stung into Mod D. Ran short string and set Hyd pkr.</p> <p>12/75-Jetted mud f/ long string w/ 3/4" CT. Could not retrieve plug at 14,540'. Perf'd tbg 14,530-34 w/ 9 1/4" bullets.</p> <p>12/75-Jetted mud f/ short string w/ 3/4" CT. Az Wolfcamp down 2 3/8" w/ 5000 gal 15% regular acid in 9 stages w/ 96 BS. AR-4 AP-7400 ISIP-2300 15-700#</p> <p>12/75-Wolfcamp flowing 7-10 MMcf/d w/ 1900# FTP on 24/64" ck + cond. Atoka SITP-9561#.</p> <p>1/89-Frac Wolfcamp down 2 3/8" tbg w/ 8000 gal gelled 15% HCl foamed to 60Q + 60 BS. AP-2400#.</p> <p>3/89-Lost pressure bombs in F-nipple @ 13,333' in short string. Lost tools and 13,300' of wireline. Lost additional tools tring to fish bombs and wire at 299' (detail on 3rd page)</p> <p>5/89-Set plug in long string at 14,508' (isolating Atoka-depleted?). Perf long string 13,695-97 (in blast joint). Tried to unload long string by injecting N2 down the short string-could not. Re-perfed long string 13,490-93. Flowed both strings to sales. Tbg perfs shot in blast joints</p> <p>8/95-Jetted long string w 1 1/4" CT. SD @ 13,494'. Rec 1.25 BW, very little N2</p> <p>11/02-Az well w/ 1000 gal 20% Acetic dwn long string. Flushed w/ 10,500 scf N2</p> <p>3/03-Pumped 165 Mscf N2 down long string and returned 5 BW up short string.</p> <p>10/14-Re-installed Compressor</p>	

Short String

Split hanger

4.7# P-110 CS pin X RAB-DSS-HT pin XO

2 3/8", 5.95# pup joints

400 jts 2 3/8", 5.95#, N-80 RAB-DSS-HT tubing

1.62" ID Baker F Nipple @ 13,322' (pressure bombs stuck)

2 3/8" RAB-DSS-HT X 2 3/8" 8RD XO

Baker "C" selective J-lock seal nipple

EOT @ 13,325.8'

12,000# set on string

Long String

Split hanger

4.7# P-110 CS pin X PH-6 pin XO

2 3/8" 5.95# N-80 PH-6 subs

386 jts 2 3/8" 5.95# N-80 PH-6 IPC tbg

2 3/8" PH-6 box X 2 3/8" NU 10RD box XO

Baker Model A-5 hydraulic dual packer @ 13,333'

2 3/8" NU 10R box X 2 3/8" PH-6 pin XO

2 blast join: **Blast joints: 13,418-13,679'**

11 blast joints 3.062" X 1.995" w/ 8RD threads

2 3/8" 8RD box X 2 3/8" PH-6 pin XO

24 jts 2 3/8" 5.95# N-80 PH-6 IPC tbg

1.62" ID Baker F nipple @ 14,441'

1 jt 2 3/8" PH-6 IPC tbg

80-26 Baker model G seal assembly w/ 8 seal units

Baker Model D packer @ 14,475'

5"X 20' 23# N-80 millout extension

5" 8RD X 2 3/8" 8RD XO

10' X 2 3/8" 4.7# N-80 pup

1.56" ID Baker F-nipple @ 14,508' w/ plug in place

1 jt 2 3/8" 4.7# N-80 EUE 8RD

1.50" ID Baker F-nipple @ 14,541' w/ BCF plug (stuck)

2 3/8" pump-out plug housing

EOT @ 14,548.64'

10,000# set on string

Fish #1

1 1/2" OD w/ 1 3/8" fishing neck of JDC safety release @ 265'
1 3/4" overshot w/ 1" grapple
Rope socket w/ 1" fishing neck
4 X 1 1/2" X 6' sinker bars
Collar locator
1 3/4" X 8' sinker bars
1 1/2" wireline jars
1 3/4" oil jars
1.5" grapple (overshot OD Bowen 1 3/4" & 1 25/32")
1 1/2" wireline jars
1 3/4" wireline grab @ 299'

Fish #2

13,380' of 0.092" slickline
1 1/2" rope socket (1 3/8" fishing neck)
2 X 1 1/2" X 5' sinker bars
1 1/2" knuckle joint (6" long)
1 1/2" spang jars (18" stroke)
1 1/2" knuckle joint (6" long)
2" SB pulling tool (1 3/4" OD)
1 1/2" rope socket w/ 1 3/8" fishing neck
1 1/4" catch for rope socket body (1 21/32" OD)
1 1/4" rope socket w/ 1 3/16" fishing neck
5' X 1 1/4" sinker bar
1 1/4" knuckle joint
1 1/4" spang jars (18" stroke)
1 1/4" knuckle joint
1 3/4" OD X 7/8" catch Gravel Girdy??
1 1/4" OD Soft set release head
1 1/4" OD Hanger catcher for 2" tubing
1 1/4" OD X 6' bottom hole pressure element
1 1/4" OD Middle Bomb connector
1 1/4" X 6' Bottom hole pressure element
1.67" OD No-go @ 13,323'

Proposed P&A procedure for Red Hills Fed 01, 30-025-25049. Current and P&A WBD attached.

Kill both strings w/ plugging mud. ND WH. NU BOP.

Round-trip gauge ring/JB. Run free-point on long string.

Set CIBP in long string above dual packer @ 13,333'. **Please review. This step will come after fishing attempts.**

Cut long string and attempt to circulate annulus. Pull long string. Work Short string free and POOH.

Set CIBP @ 13,300'. Circ hole w/ plugging mud. Spot 75sx class H f/ 13300-13100' (CIBP/9 5/8" shoe plug) **Leak test, 500psi 30mins**

Spot 50sx Class H f/ 12120-**11899'** (Wolfcamp top plug)

Free-point 7" casing. Cut and pull ~11,750' of 7" casing

Spot 120sx Class H f/ 11800-11600' (7" stub/3BSS top)

Spot 75sx Class H 10560-10460 (2 BSS top)

Spot 75sx Class H 10000-9900 (1 BSS top)

Spot 75sx Class H **8935-8746'** (**Bone Spring Group Top**)

Spot 85sx Class H 8650-**8385'** (Brushy Canyon/DV Tool plug) WOC and tag.

Perf @ 5910 and Sqz 100 sx Class C f/ 5910-5810 (Cherry Canyon Plug)

Free-point 9 5/8" casing. Cut and pull ~4,900' of 9 5/8" casing.

Spot 120sx Class C f/ 4950-**4672'** (13 3/8" shoe plug, **Delaware Group Top**). **WOC and Tag**

Spot 105 sx f/ 4500-**4355'** (Base of salt plug). WOC and tag.

Spot 200sx f/ 2050-1775 (DV tool plug). WOC and tag

Spot f/ 1163-1051' (Top of salt plug.) WOC and Tag

Spot 105sx f/ 845-**737'**. **WOC and Tag**

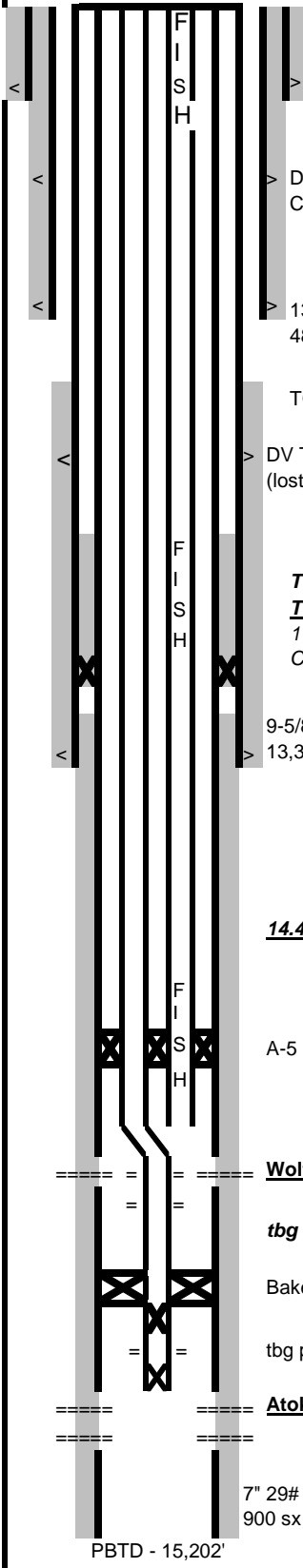
Spot cement f/ 0-100'

Cut off wellhead 4' below ground level. Weld on P&A marker. Restore location.

BLM Note: Depths adjusted to include excess. Please review volumes. Top of salt plug updated to reflect BLM Geo Report. WOC and Tag added in plugs per requirements

KEITH
IMMATTY

Digitally signed by
KEITH IMMATTY
Date: 2024.12.15
10:16:23 -07'00'

Kaiser-Francis Oil Company		Red Hills Federal #1	
Location:	Section 6, T26S, R33E 660FNL 660	API:	30-025-25049
Field:	Red Hills		
County:	Lea	Spud Date:	7/21/75
State:	New Mexico	Completed:	11/75
Elevation:	KB - 3372' GL - 3346.7'	Diagram Updated:	6/18/15
Work History:			
		<p>11/75-Well drilled by Mesa Petroleum Co. to 15,249'. Mild Dev. Noted film of oil on pits @ 9740'. DST #1 9702-9978'. Weak to fair blow. Rec mud. Drilling breaks: 13,459-62, 13,486' (M/C 14.5-14.1), 13,518. Took gain at 13,675' w/ 14# mud. Drilling break: 14,812-36 (MC f/ 14.1 to 13.8)</p>	
		<p>11/75-Cmt'd 7" liner, but well still wanting to flow. Found cmt on liner top. Tested to 4500#. Couldn't pump into. Ran 7" tie-back. Cemented w/ 250sx and stabbed into liner w/ 25,000# S/O.</p>	
		<p>11/75-Perf'd Atoka: 14,616, 23, 27, 32, 45, 49, 63, 67, 69, 73, 75, 95, 99, 706, 10, 15, 18, 20, 33, 36, 39, 45, 47, 50, 53, 55, 821, 25, 28, 31, 39, 41, 45, 48, 52, 56, 60, 77-84, 88-94 1 SPF (52 holes) w/ csg gun. Ran perm pkr & tbg</p>	
		<p>11/75-Jetted well in w/ CT. Acidized Atoka down 2 3/8" w/ 6000 gal 15% DS-30 + 75 BS + 500 scf/bbl N2. AP-8000 AR-3.8. ISIP-6150#. Well IP'd 1.5 MMcf/d @ 1100# on 16/64"</p>	
		<p>11/75-Acidized Atoka down 2 3/8" w/ 27,000 gal 20% Series 72 acid in 9 stages w/ BS. AP-8000 AR-6. ISIP-5700#. Well flowing 2MMcf/d w/ 900# on 1/4" ck.</p>	
		<p>12/75-Kill well w/ 14.4# mud. Set plug in tailpipe below pkr @ 14,540'. Circ hole w/ 14.4# mud. <u>Perf Wolfcamp</u>: 13,431', 39, 54, 56, 58, 60, 62, 73, 75, 77, 83, 90, 92, 98, 511, 13, 23, 30, 44, 63, 79, 95, 97, 99, 621, 23, 25, 27, 29, 31, 43, 45, 47, 49, 51, 53. (72 holes) Had to circ gas out of well post perf</p>	
		<p>12/75-Ran Hyd pkr on long string. Displace tbg w/ FW. Tried to stab into Model D- could not. Rev out FW and circ out gas w/ 14.4#. Stung into Mod D. Ran short string and set Hyd pkr.</p>	
		<p>12/75-Jetted mud f/ long string w/ 3/4" CT. Could not retrieve plug at 14,540'. Perf'd tbg 14,530-34 w/ 9 1/4" bullets.</p>	
		<p>12/75-Jetted mud f/ short string w/ 3/4" CT. Az Wolfcamp down 2 3/8" w/ 5000 gal 15% regular acid in 9 stages w/ 96 BS. AR-4 AP-7400 ISIP-2300 15-700#</p>	
		<p>12/75-Wolfcamp flowing 7-10 MMcf/d w/ 1900# FTP on 24/64" ck + cond. Atoka SITP-9561#.</p>	
<p>20", 94# H-40 STC @ 795'. Cmt'd w/ 1500 sx. Circ.</p>		<p>1/89-Frac Wolfcamp down 2 3/8" tbg w/ 8000 gal gelled 15% HCl foamed to 60Q + 60 BS. AP-2400#.</p>	
<p>DV Tool @ 1826'. Cmt'd w/ 2100 sx. Circ. Topped w/ 7 yds</p>		<p>3/89-Lost pressure bombs in F-nipple @ 13,333' in short string. Lost tools and 13,300' of wireline. Lost additional tools tring to fish bombs and wire at 299' (detail on 3rd page)</p>	
<p>13 3/8" 54.5, 61# & 68# s80/k55 @ 4850. Cmt'd w/ 950 sx.</p>		<p>5/89-Set plug in long string at 14,508' (isolating Atoka-depleted?). Perf long string 13,695-97 (in blast joint). Tried to unload long string by injecting N2 down the short string-could not. Re-perfed long string 13,490-93. Flowed both strings to sales. Tbg perfs shot in blast joints</p>	
<p>TOC @ 7460' (temp)</p>		<p>8/95-Jetted long string w 1 1/4" CT. SD @ 13,494'. Rec 1.25 BW, very little N2</p>	
<p>DV Tool @ 8521'. Cmt'd w/ 1350 sx (lost ret)</p>		<p>11/02-Az well w/ 1000 gal 20% Acetic dwn long string. Flushed w/ 10,500 scf N2</p>	
<p>TOL @ 12,899'. Tst'd to 4500# Tie-back: 7", 29& 32# S-95 and P- 110 Hydril SFJP/Triple seal to surf. Cmt'd w/ 250 sx</p>		<p>3/03-Pumped 165 Mscf N2 down long string and returned 5 BW up short string.</p>	
<p>9-5/8" 43.5, 47 & 53.5# N-80 & S-95 @ 13,300'. Cmt'd w/ 2300sx</p>		<p>10/14-Re-installed Compressor</p>	
<p>Tubing Detail Dual strings of 2 3/8" 5.95# Detail on following sheet</p>			
<p>14.4# Mud on backside</p>			
<p>A-5 Hyd dual pkr set @ 13,333'</p>			
<p>Wolfcamp: 13,431'-653' OA</p>			
<p>tbg perfs @ 13,695' & 13,490'</p>			
<p>Baker Model D @ 14,475'</p>			
<p>tbg perfs</p>			
<p>Atoka: 14,616-894' OA</p>			
<p>7" 29# S-95 Hydril @ 15,248'. Cmt'd w/ 900 sx Class H.</p>			
<p>PBTD - 15,202' TD - 15,249'</p>			

Short String

Split hanger

4.7# P-110 CS pin X RAB-DSS-HT pin XO

2 3/8", 5.95# pup joints

400 jts 2 3/8", 5.95#, N-80 RAB-DSS-HT tubing

1.62" ID Baker F Nipple @ 13,322' (pressure bombs stuck)

2 3/8" RAB-DSS-HT X 2 3/8" 8RD XO

Baker "C" selective J-lock seal nipple

EOT @ 13,325.8'

12,000# set on string

Long String

Split hanger

4.7# P-110 CS pin X PH-6 pin XO

2 3/8" 5.95# N-80 PH-6 subs

386 jts 2 3/8" 5.95# N-80 PH-6 IPC tbg

2 3/8" PH-6 box X 2 3/8" NU 10RD box XO

Baker Model A-5 hydraulic dual packer @ 13,333'

2 3/8" NU 10R box X 2 3/8" PH-6 pin XO

2 blast join: **Blast joints: 13,418-13,679'**

11 blast joints 3.062" X 1.995" w/ 8RD threads

2 3/8" 8RD box X 2 3/8" PH-6 pin XO

24 jts 2 3/8" 5.95# N-80 PH-6 IPC tbg

1.62" ID Baker F nipple @ 14,441'

1 jt 2 3/8" PH-6 IPC tbg

80-26 Baker model G seal assembly w/ 8 seal units

Baker Model D packer @ 14,475'

5"X 20' 23# N-80 millout extension

5" 8RD X 2 3/8" 8RD XO

10' X 2 3/8" 4.7# N-80 pup

1.56" ID Baker F-nipple @ 14,508' w/ plug in place

1 jt 2 3/8" 4.7# N-80 EUE 8RD

1.50" ID Baker F-nipple @ 14,541' w/ BCF plug (stuck)

2 3/8" pump-out plug housing

EOT @ 14,548.64'

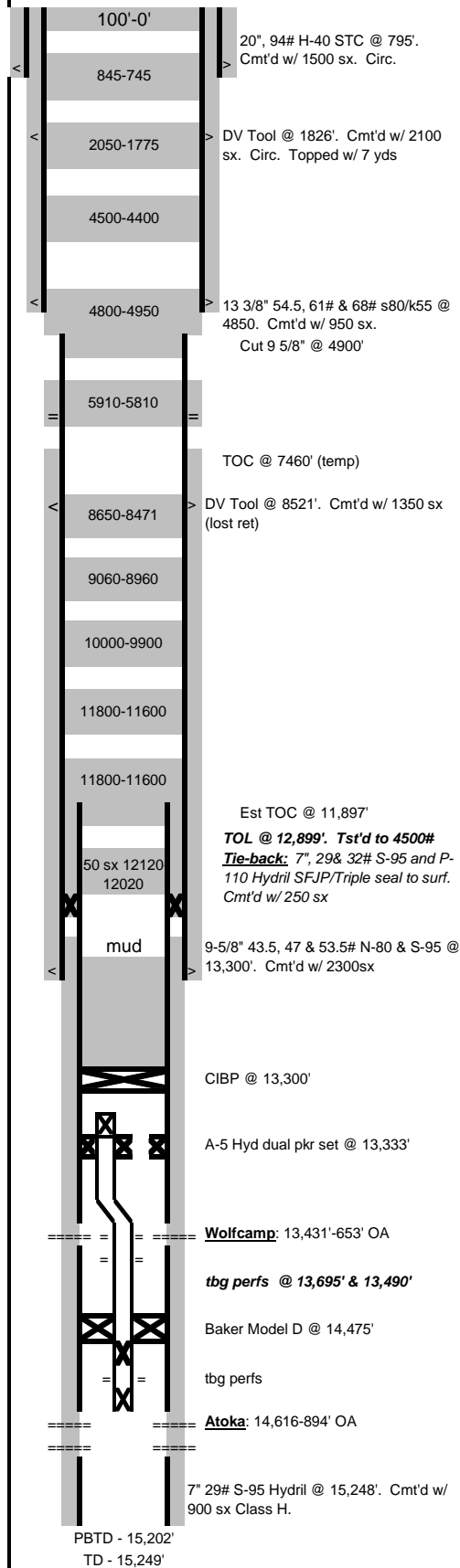
10,000# set on string

Fish #1

1 1/2" OD w/ 1 3/8" fishing neck of JDC safety release @ 265'
1 3/4" overshot w/ 1" grapple
Rope socket w/ 1" fishing neck
4 X 1 1/2" X 6' sinker bars
Collar locator
1 3/4" X 8' sinker bars
1 1/2" wireline jars
1 3/4" oil jars
1.5" grapple (overshot OD Bowen 1 3/4" & 1 25/32")
1 1/2" wireline jars
1 3/4" wireline grab @ 299'

Fish #2

13,380' of 0.092" slickline
1 1/2" rope socket (1 3/8" fishing neck)
2 X 1 1/2" X 5' sinker bars
1 1/2" knuckle joint (6" long)
1 1/2" spang jars (18" stroke)
1 1/2" knuckle joint (6" long)
2" SB pulling tool (1 3/4" OD)
1 1/2" rope socket w/ 1 3/8" fishing neck
1 1/4" catch for rope socket body (1 21/32" OD)
1 1/4" rope socket w/ 1 3/16" fishing neck
5' X 1 1/4" sinker bar
1 1/4" knuckle joint
1 1/4" spang jars (18" stroke)
1 1/4" knuckle joint
1 3/4" OD X 7/8" catch Gravel Girdy??
1 1/4" OD Soft set release head
1 1/4" OD Hanger catcher for 2" tubing
1 1/4" OD X 6' bottom hole pressure element
1 1/4" OD Middle Bomb connector
1 1/4" X 6' Bottom hole pressure element
1.67" OD No-go @ 13,323'

Kaiser-Francis Oil Company		Red Hills Federal #1 Proposed P&A	
Location:	Section 6, T26S, R33E 660FNL 660	API:	30-025-25049
Field:	Red Hills		
County:	Lea	Spud Date:	7/21/75
State:	New Mexico	Completed:	11/75
Elevation:	KB - 3372' GL - 3346.7'	Diagram Updated:	6/18/15
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		<p>11/75-Well drilled by Mesa Petroleum Co. to 15,249'. Mild Dev. Noted film of oil on pits @ 9740'. DST #1 9702-9978'. Weak to fair blow. Rec mud. Drilling breaks: 13,459-62, 13,486' (M/C 14.5-14.1), 13,518. Took gain at 13,675' w/ 14# mud. Drilling break: 14,812-36 (MC f/ 14.1 to 13.8)</p> <p>11/75-Cmt'd 7" liner, but well still wanting to flow. Found cmt on liner top. Tested to 4500#. Couldn't pump into. Ran 7" tie-back. Cemented w/ 250sx and stabbed into liner w/ 25,000# S/O.</p> <p>11/75-Perf'd Atoka: 14,616, 23, 27, 32, 45, 49, 63, 67, 69, 73, 75, 95, 99, 706, 10, 15, 18, 20, 33, 36, 39, 45, 47, 50, 53, 55, 821, 25, 28, 31, 39, 41, 45, 48, 52, 56, 60, 77-84, 88-94 1 SPF (52 holes) w/ csg gun. Ran perm pkr & tbg</p> <p>11/75-Jetted well in w/ CT. Acidized Atoka down 2 3/8" w/ 6000 gal 15% DS-30 + 75 BS + 500 scf/bbl N2. AP-8000 AR-3.8. ISIP-6150#. Well IP'd 1.5 MMcf/d @ 1100# on 16/64"</p> <p>11/75-Acidized Atoka down 2 3/8" w/ 27,000 gal 20% Series 72 acid in 9 stages w/ BS. AP-8000 AR-6. ISIP-5700#. Well flowing 2MMcf/d w/ 900# on 1/4" ck.</p> <p>12/75-Kill well w/ 14.4# mud. Set plug in tailpipe below pkr @ 14,540'. Circ hole w/ 14.4# mud. Perf Wolfcamp: 13,431', 39, 54, 56, 58, 60, 62, 73, 75, 77, 83, 90, 92, 98, 511, 13, 23, 30, 44, 63, 79, 95, 97, 99, 621, 23, 25, 27, 29, 31, 43, 45, 47, 49, 51, 53. (72 holes) Had to circ gas out of well post perf</p> <p>12/75-Ran Hyd pkr on long string. Displace tbg w/ FW. Tried to stab into Model D- could not. Rev out FW and circ out gas w/ 14.4#. Stung into Mod D. Ran short string and set Hyd pkr.</p> <p>12/75-Jetted mud f/ long string w/ 3/4" CT. Could not retrieve plug at 14,540'. Perf'd tbg 14,530-34 w/ 9 1/4" bullets.</p> <p>12/75-Jetted mud f/ short string w/ 3/4" CT. Az Wolfcamp down 2 3/8" w/ 5000 gal 15% regular acid in 9 stages w/ 96 BS. AR-4 AP-7400 ISIP-2300 15-700#</p> <p>12/75-Wolfcamp flowing 7-10 MMcf/d w/ 1900# FTP on 24/64" ck + cond. Atoka SITP-9561#.</p> <p>1/89-Frac Wolfcamp down 2 3/8" tbg w/ 8000 gal gelled 15% HCl foamed to 60Q + 60 BS. AP-2400#.</p> <p>3/89-Lost pressure bombs in F-nipple @ 13,333' in short string. Lost tools and 13,300' of wireline. Lost additional tools tring to fish bombs and wire at 299' (detail on 3rd page)</p> <p>5/89-Set plug in long string at 14,508' (isolating Atoka-depleted?). Perf long string 13,695-97 (in blast joint). Tried to unload long string by injecting N2 down the short string-could not. Re-perfed long string 13,490-93. Flowed both strings to sales. Tbg perfs shot in blast joints</p> <p>8/95-Jetted long string w 1 1/4" CT. SD @ 13,494'. Rec 1.25 BW, very little N2</p> <p>11/02-Az well w/ 1000 gal 20% Acetic dwn long string. Flushed w/ 10,500 scf N2</p> <p>3/03-Pumped 165 Mscf N2 down long string and returned 5 BW up short string.</p> <p>10/14-Re-installed Compressor</p>	

Short String

Split hanger

4.7# P-110 CS pin X RAB-DSS-HT pin XO

2 3/8", 5.95# pup joints

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1 1/4" knuckle joint
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1 1/4" OD X 6' bottom hole pressure element
1 1/4" OD Middle Bomb connector
1 1/4" X 6' Bottom hole pressure element
1.67" OD No-go @ 13,323'

Sundry ID		2814868				
Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00		0.00	Verify circulated to surface		Operator proposes to remove free casing instead of Perf and Sqz. Proposed OK
Shoe Plug	737.05	845.00	107.95	WOC and Tag		
Top of Salt @ 1113	1051.87	1163.00	111.13	WOC and Tag		
DV tool plug	1775.00	2050.00	275.00	WOC and Tag		
Base of Salt @ 4450	4355.50	4500.00	144.50	WOC and Tag		
Delaware @ 4770	4672.30	4820.00	147.70			
Shoe Plug	4751.50	4900.00	148.50	WOC and Tag		
DV tool plug	8385.79	8571.00	185.21	WOC and Tag		
Bonesprings @ 8885	8746.15	8935.00	188.85			
Wolfcamp @ 12070	11899.30	12120.00	220.70			
CIBP Plug	13265.00	13300.00	35.00	Verify depth		Leak test 500psi, 30mins

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C <7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Critical, High Cave Karst: Cave Karst depth to surface

R111P: Solid plug in all annuli - 50' from bottom of salt to surface.

Class C: 1.32 ft³/sx

Class H: 1.06 ft³/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement	Medium	KARST DEPTH/TOS to surface	500.00
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Shoe @ 795.00

Shoe @ 4850.00

Shoe @ 13300.00

Shoe @ 12898.00

Perforatons Top @	13431.00	Perforations	13653.00
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DV Tool @	8521.00	CIBP @	13300.00
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**BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

**Permanent Abandonment of Federal Wells
Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours for Class C or accelerated cement (calcium chloride) and 6 hours for Class H. Tagging the plug means running in the hole with a string of tubing or drill pipe and placing sufficient weight on the plug to ensure its integrity. Other methods of tagging the plug may be approved by the BLM authorized officer or BLM field representative.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

Fluid used to mix the cement in R111Q shall be saturated with the salts common to the section penetrated, and in suitable proportions but not less than 1% and not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified *BY PHONE* (numbers listed in 2. Notifications) a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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620 E. Greene St.
Carlsbad, New Mexico 88220-6292
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In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo “interim” reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo “final” reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines **(Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure)**. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. **This will apply to well pads, facilities, and access roads.** Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or

concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos
Supervisory Petroleum Engineering Tech/Environmental Protection Specialist
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

Jose Martinez-Colon
Environmental Protection Specialist
575-234-5951

Mark Mattozzi
Environmental Protection Specialist
575-234-5713

Robert Duenas
Environmental Protection Specialist
575-234-2229

Doris Lauger Martinez
Environmental Protection Specialist
575-234-5926

Jaden Johnston
Environmental Protection Asst. (Intern)
575-234-6252

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 412453

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 412453
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	Run CBL 13300' - 500' above TOC - 7" casing	12/31/2024
gcordero	Run CBL 11700' - 500' above TOC - 9 5/8" casing	12/31/2024
gcordero	Run CBL ~4800' - Surface - 13 3/8" Casing	12/31/2024