

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.*

5. Lease Serial No.  
NMNM014378

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

8. Well Name and No.  
H J LOE FEDERAL B 3E

9. API Well No.  
30-045-24555-00-C1

10. Field and Pool or Exploratory Area  
BASIN DAKOTA  
FULCHER KUTZ PICTURED CLIFFS

11. County or Parish, State  
SAN JUAN COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
FOUR STAR OIL GAS COMPANY  
Contact: APRIL E POHL  
E-Mail: APRIL.POHL@CHEVRON.COM

3a. Address  
332 ROAD 3100  
AZTEC, NM 87410

3b. Phone No. (include area code)  
Ph: 505-333-1941

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 23 T29N R12W SWSE 1100FSL 2000FEL  
36.707687 N Lat, 108.066055 W Lon  
**OIL CONS. DIV DIST. 3**  
**MAR 24 2017**

**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 recomplate 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 recompletion 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.

THIS WELL AHS REACHED THE END OF ITS ECONOMMIC LIFE, FOUR STAR IS REQUESTING PA.

All cement volumes use 100% excess outside pipe and 50% excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.

2. Rods: Yes , No , Unknown   
Tubing: Yes , No , Unknown , Size 2-3/8, Length 6225'  
Packer: Yes , No , Unknown , Type

**BLM'S APPROVAL OR ACCEPTANCE OF THIS OPERATION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS IN FEDERAL AND INDIAN LANDS**

Notify NMOCD 24 hrs prior to beginning operations

**SEE ATTACHED FOR CONDITIONS OF APPROVAL**

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

**Electronic Submission #366861 verified by the BLM Well Information System  
For FOUR STAR OIL GAS COMPANY, sent to the Farmington  
Committed to AFMSS for processing by ABDELGADIR ELMADANI on 03/21/2017 (17AE0188SE)**

Name (Printed/Typed) GREG BROSE	Title PETROLEUM ENGINEER
Signature (Electronic Submission)	Date 02/13/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By ABDELGADIR ELMANDANI Title PETROLEUM ENGINEER Date 03/21/2017

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 Farmington

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 \*\***

**NMOCD**

## Additional data for EC transaction #366861 that would not fit on the form

### 32. Additional remarks, continued

If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

3. NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where a CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.

4. Plug #1 (Dakota interval and Gallup top, 6016' ? 5175?): Round trip gauge ring or casing scraper to 6016', or as deep as possible. RIH and set 4.5' cement retainer at 6016'. Pressure test tubing to 1000 PSI. Load casing with water and circulate well clean. Mix 68 sxs Class B cement inside casing from 6016' to isolate the Dakota interval and cover through the Gallup top. PUH and WOC (open Pictured Cliffs perforations). TIH and tag cement; top off if necessary. TOH.

5. Plug #2 (Mancos top, 4351' ? 4251?): Perforate squeeze holes at 4351'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 4301'. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside 4.5' casing and leave 12 sxs inside casing to cover the Mancos top. TOH.

6. Plug #3 (Mesaverde and Chacra tops, 3193' ? 2545?): Mix and pump 57 sxs Class B cement (extra cement due to open perforations above plug) and spot an under balanced plug inside casing to cover the Mesaverde and Chacra tops. PUH and WOC. TIH and tag cement, top off if necessary. TOH.

7. Plug #4 (Pictured Cliffs interval and Fruitland top, 1564' ? 1306?): RIH and set 4.5' cement retainer at 1564'. Pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as appropriate. Load casing with water and circulate well clean. Mix 24 sxs Class B cement inside casing from 1564' to cover the PC interval and the Fruitland top. PUH.  
BALANCE OF PROCEDURE IS ATTACHED.

BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
NECESSARY PERMITS OR APPROVALS FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS

## PLUG AND ABANDONMENT PROCEDURE

### H. Loe Federal B #3E

Basin Dakota / Fulcher Kutz Pictured Cliffs  
1100' FSL and 2000' FEL, Section 23O, T29N, R12W  
San Juan County, New Mexico / API 30-045-24555  
Lat: N .7077942 / Lat: W 108.0664749

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
2. Rods: Yes X, No     , Unknown     .  
Tubing: Yes X, No     , Unknown     , Size 2-3/8, Length 6225'.  
Packer: Yes     , No X, Unknown     , Type     .  
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
3. **NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where a CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.**
4. **Plug #1 (Dakota interval and Gallup top, 6016' – 5175')**: Round trip gauge ring or casing scraper to 6016', or as deep as possible. RIH and set 4.5" cement retainer at 6016'. Pressure test tubing to 1000 PSI. Load casing with water and circulate well clean. Mix 68 sxs Class B cement inside casing from 6016' to isolate the Dakota interval and cover through the Gallup top. PUH and WOC (open Pictured Cliffs perforations). TIH and tag cement; top off if necessary. TOH.
5. **Plug #2 (Mancos top, 4351' – 4251')**: Perforate squeeze holes at 4351'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 4301'. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside 4.5" casing and leave 12 sxs inside casing to cover the Mancos top. TOH.
6. **Plug #3 (Mesaverde and Chacra tops, 3193' – 2545')**: Mix and pump 57 sxs Class B cement (extra cement due to open perforations above plug) and spot an under balanced plug inside casing to cover the Mesaverde and Chacra tops. PUH and WOC. TIH and tag cement, top off if necessary. TOH.
7. **Plug #4 (Pictured Cliffs interval and Fruitland top, 1564' – 1306')**: RIH and set 4.5" cement retainer at 1564'. Pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as appropriate. Load casing with water and circulate well clean. Mix 24 sxs Class B cement inside casing from 1564' to cover the PC interval and the Fruitland top. PUH.
8. **Plug #5 (Kirtland and Ojo Alamo tops, 8.625" casing shoe, 606' – 0')**: Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 50 sxs cement and spot a balanced plug from 606' to surface, circulate good cement out casing valve. TOH and LD tubing; top off as necessary. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing and annulus from the squeeze holes to surface. Shut in well and WOC.
9. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations

OIL CONS. DIV DIST. 3

MAR 30 2017

## PLUG AND ABANDONMENT PROCEDURE

### H. Loe Federal B #3E

Basin Dakota / Fulcher Kutz Pictured Cliffs  
1100' FSL and 2000' FEL, Section 23O, T29N, R12W  
San Juan County, New Mexico / API 30-045-24555  
Lat: N .7077942 / Lat: W 108.0664749

8. **Plug #5 (Kirtland and Ojo Alamo tops, 8.625" casing shoe, 606' – 0')**: Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 50 sxs cement and spot a balanced plug from 606' to surface, circulate good cement out casing valve. TOH and LD tubing; top off as necessary. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing and annulus from the squeeze holes to surface. Shut in well and WOC.
9. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations

MAR 24 2017

# H. Loe Federal B #3E Current

Basin Dakota / Fulcher Kutz Pictured Cliffs  
1100' FSL, 2000' FEL, Section 23O, T-29-N, R-12-W  
San Juan County, NM, API #30-045-24555

Today's Date: 1/11/17  
Spud: 9/29/80  
DK Completed: 10/31/80  
PC Completed: 10/1/92  
Elevation: 5583' GL  
5595' KB

Ojo Alamo @ 390'

Kirtland @ 566'

Fruitland @ 1356'

Pictured Cliffs @ 1608'

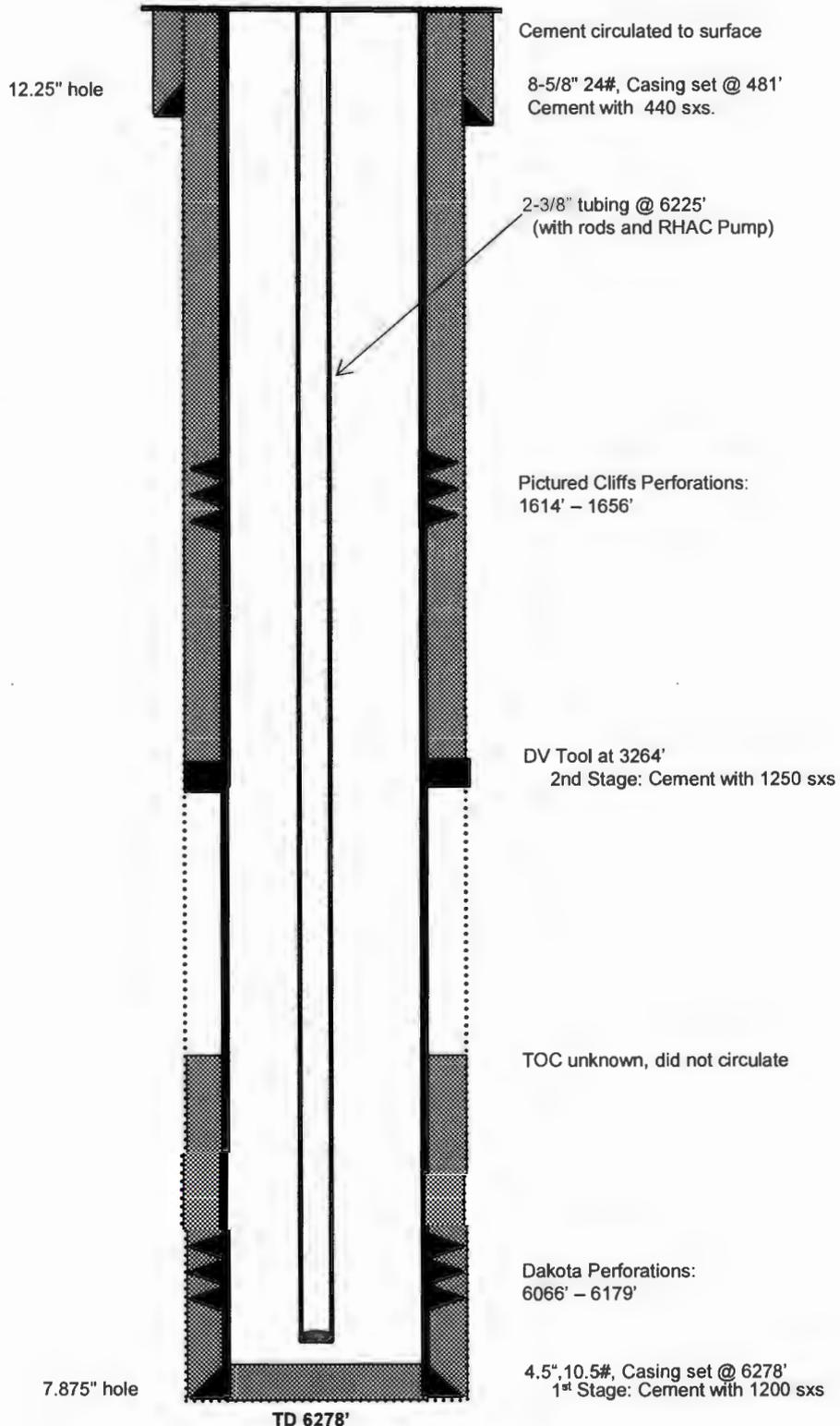
Chacra @ 2595'

Mesaverde @ 3143'

Mancos @ 4301'

Gallup @ 5225'

Dakota @ 5966'



MAR 24 2017

# H. Loe Federal B #3E

Today's Date: 1/11/17  
 Spud: 9/29/80  
 DK Completed: 10/31/80  
 PC Completed: 10/1/92  
 Elevation: 5583' GL  
 5595' KB

**Basin Dakota / Fulcher Kutz Pictured Cliffs**  
 1100' FSL, 2000' FEL, Section 23O, T-29-N, R-12-W  
 San Juan County, NM, API #30-045-24555

Ojo Alamo @ 390'

12.25" hole

Kirtland @ 566'

Fruitland @ 1356'

Pictured Cliffs @ 1608'

Chacra @ 2595'

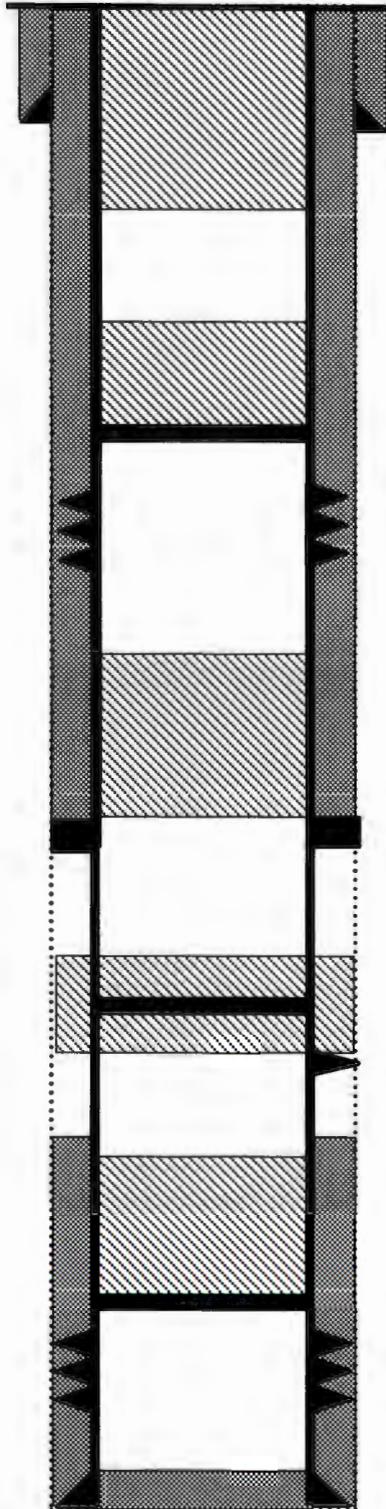
Mesaverde @ 3143'

Mancos @ 4301'

Gallup @ 5225'

Dakota @ 5966'

7.875" hole



TD 6278'

Cement circulated to surface

8-5/8" 24#, Casing set @ 481'  
 Cement with 440 sxs.

**Plug #5: 606' – 0'**  
 Class B cement, 50 sxs

**Plug #4: 1564' – 1306'**  
 Class B cement, 24 sxs

**Set CR @ 1564'**

Pictured Cliffs Perforations:  
 1614' – 1656'

**Plug #3: 3193' – 2545'**  
 Class B cement, 57 sxs  
 (extra cement due to open perforations above plug)

DV Tool at 3264'  
 2nd Stage: Cement with 1250 sxs

**Plug #2: 4351' – 4251'**  
 Class B cement, 51 sxs:  
 12 inside and 39 sxs

**Set CR @ 4301'**

**Perforate @ 4351'**

TOC unknown, did not circulate

**Plug #1: 6016' – 5175'**  
 Class B cement, 68 sxs

**Set CR @ 6016'**

Dakota Perforations:  
 6066' – 6179'

4.5", 10.5#, Casing set @ 6278'  
 1st Stage: Cement with 1200 sxs

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: H J Loe Federal B # 3E

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
  - a) Set Plug #2 (4382'-4282') ft. to cover the Mancos top. BLM picks top of Mancos at 4332 ft.
  - b) Set Plug #4 (1564'-1197') ft. To cover the Fruitland top. BLM picks top of Fruitland top at 1247' ft.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.