

AD-HOBS  
HOBBS OCD

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCT 20 2011

FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

**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

NM 10934

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

8 Well Name and No  
C C Fristoe A Federal NCT-1 #6

9. API Well No  
30-025-11371

10 Field and Pool or Exploratory Area

11 Country or Parish, State  
Lea County, NM

1 Type of Well

☐ Oil Well ☐ Gas Well ☒ Other SWD

2 Name of Operator  
CHEVRON USA INC

3a Address  
15 SMITH RD MIDLAND, TX 79705

3b Phone No. (include area code)  
(432)687-7704

4 Location of Well (Footage, Sec., T, R, M or Survey Description)  
660 FNL & 660 FWL Section 35 Township 24S Range 37E Unit Letter D NMPM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" 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.

Rigged up on 8/22/11 and rigged down 9/14/11. Initially they flowed the well down to try to relieve some pressure from the well. Circulated kill weight mud POOH w/ 3-1/2" PCID tubing. Ran csg inspection log from 3195' to surface. All casing below 3150' bad - possible holes at 2708, 2720, 2786, 2796. Ran packer and set at 3137' and tried to test, but failed. Flowed well back more. POOH w/ tubing and dumped sand to fill the open hole from 3350'-3518'. Set 10' cement plug above sand. Pressure tested w/ PKR @ 2,000 'GOOD'. Prepare the wellhead and location to run 5 5/8" J-55 casing. Run casing down to 3352'. Cement w/ 200 sacks Class 'C' cement. Bumped plug and pressured up to 1400#. Bled down casing and shoe held. Did not circulate cement. Ran temperature log and found cement top at 1050' (245' above intermediate 8 5/8" casing). Drill out cement w/ 4-3/4" bit to PBTD of 3490'. Acidized formation w/ 8000 gals 15% HCL w/ NE/FE & LST additives. Flowed back spent acid. Ran 3-1/2" IPC tubing while testing to 6000#. Set PKR @ 3325'. Tested MIT to 500 psi 'GOOD'. Busted out pump out plug and flowed back for a short time to make sure tubing is clean. Pressure tested wellhead and no leaks were found.

RDMO.

9-14-11 Original Chart & Copy of Chart attached.  
Witnessed by Mr. Johnson - BLM

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14 I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Byron Smith

Title Petroleum Engineer

Signature

Date 09/15/2011

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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.

OCT 17 2011  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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)

OCT 24 2011



WELL NAME: Fristoe A NCT 1 #6

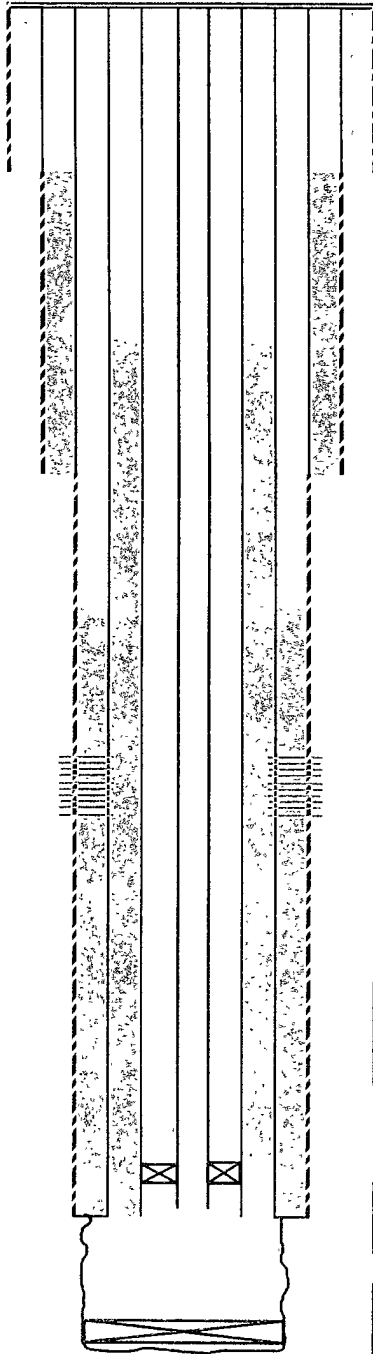
API #: 30-025-11371

OPERATOR: CHEVRON USA INC.

Location: 660FNL & 660 FWL Township/Range/Section: 24S 37E 35

Spud Date: 02/09/1940

Original Well Construction



13" 40# CSG in 18" Hole  
set @ 174' w/ 50 sx cmt  
TOC = surface by circulation

**Tubing Detail (as of 9/15/11)**

1 joint - 3-1/2" L-80 IPC	32
4 subs - 3 5" L-80 IPC (10, 8, 6, 4)	60
95 joints - 3.5" L-80 IPC	3,148
5 joints - 3-1/2" J-55 IPC	3,310
1 - 3-1/2" X 2-7/8" Cross-over joint	3,315
1 - 5-1/2" X 2-7/8" on/off tool	3,320
1 - AS1-X PKR 5-1/2" - 3325'	3,325
1 - Pump-Out Plug (2-7/8") - 3331'	3,331

8 5/8" 28# in 10 3/4" Hole  
set @ 1295' w/ 100 sx cmt  
TOC = 168'

Yates Perfs: 2708' - 2796'; perfed in 1963; SQUEEZED IN 1975

Acidized w/ 300 gals acid in each perf, Frac'ed w/ 1 ppg sand

09/2011 MMWW:

Ran new 5 5" casing inside 7" casing to isolate leaks (2708, 2720, 2786, 2796)  
and bad casing (below 3150')

7" 24# J-55 in 7-1/2" Hole  
set @ 3369' w/ 125 sx cmt  
TOC = 2200'

Arrowset PKR set @ 3325' (09/11)

5.5" 15 5# J-55 CSG set @ 3352'  
w/ 200 sx cement, TOC = 1050' by TS

Open Hole - 6 1/4"  
3369' - 3518'

TD = 3514' PBTD = 3490'

Junk in hole: 7" Bridge Plug, 3510' - 3514'

Phillip Minner

CCF-AL#6

MS

24837E85

API# 30-025-11371

7-14-11

witnessed by Mr. Johnson of the BLM.

# **Conditions of Approval: Wells with Packers\***

**Chevron USA INC**  
**C.C. Fristo A Fedreal NCT-1 #6**  
**API 3002511371**

October 05, 2011

1. Conduct a Mechanical Integrity Test of the tubing/casing annulus after a tubing, packer or casing seal is established. Repair that seal any time more than five barrels of packer fluid is replaced within 30 days.
  - a. The minimum test pressure should be 500 psig for 30 minutes or 300 psig for 60 minutes, with 200 psig differentials between tubing and casing pressure (at test time) but no more than 70% of casing burst pressure as described by Onshore Order 2.III.B.1.h. (The tubing or reservoir pressure may need to be reduced). An alternate method for a BLM approved MIT is to have the fluid filled system open to atmospheric pressure and have a loss of less than five barrels in 30 days witnessed by a BLM authorized officer.
  - b. Document the pressure test on a calibrated recorder chart registering within 25 to 85 per cent of its full range. Greater than 10% pressure leakoff will be viewed as a failed MIT. Less than 10% pressure leakoff will be evaluated site specifically and may restrict injection approval.
  - c. Notify Paul R. Swartz at 575-234-5985 and/or 575-200-7902 at least 24 hours before the test. If there is no response, notify the BLM on call drilling phone, 575-361-2822. In Lea County call 575-393-3612.
  - d. Submit a subsequent Sundry Form 3160-5 relating the MIT activity. Include a copy of the recorded MIT pressure chart. List the name of the BLM witness, or the notified person and date of notification. NMOCD is to retain the original recorded MIT chart.
  - e. Use of tubing internal protection, on/off tubing equipment just above the packer, and a profile nipple installation is required. The setting depths and descriptions of each are to be included in the subsequent sundry. List (by date) descriptions of daily activity of any previously unreported wellbore work.
  - f. **Submit the original subsequent sundry with three copies to BLM Carlsbad.**
2. Compliance with a NMOCD Administrative Order is required, submit documentation of that authorization.
  - a. Approved injection pressure compliance is required.
  - b. If injection pressure exceeds the approved pressure you are required to reduce that pressure and notify the BLM within 24 hours.
  - c. When injection pressure is within 50 psig of the maximum pressure, install automation equipment that will prevent exceeding that maximum.
    - i. Submit a subsequent report (Sundry Form 3160-5) describing the installed automation equipment within 30 days.
  - e. Other unexplained significant variations of rate or pressure to be reported within 5 days of notice.

ENTERED  
IN AFMSS

3. The casing/tubing annulus is required to be monitored for communication with injection fluid or loss of casing integrity.
- a. The annulus is to be maintained full of packer fluid at atmospheric pressure. Installation of equipment that will display on site, continuous open to the air fluid level is required. A BLM inspector may request verification of this fluid level at any time.
  - b. **Submit a subsequent report (Sundry Form 3160-5)** describing the installation of packer fluid level monitoring equipment within 30 days of this approval.
  - c. The operator shall keep monthly records documenting that the casing annulus is fluid filled. A suggested format for these records is available from the BLM Carlsbad Field Office. Copies of those records shall be furnished at the request of a BLM authorized officer.
  - d. Loss of packer fluid above five barrels per month requires notification of the BLM authorized officer within 5 days.
  - a. Gain of annular fluid requires notification within 24 hours. Cease injection and maintain a production casing pressure of Opsia. Notify the BLM's authorized officer (Paul R. Swartz at 575-200-7902). If there is no response, notify the BLM on call drilling phone, 575-361-2822. In Lea County call 575-393-3612.
  - e. Also submit to this office a (Sundry Form 3160-5) Notice of Intent (NOI) for approval by BLM and NMOCD with a detailed plan for correction and the anticipated date of correction. Verbal approval for the plan may be given by a BLM authorized officer, with the NOI filed within five business days.
  - f. After the repairs submit a (Sundry Form 3160-5) Subsequent report, describing the repair(s) and Mechanical Integrity Test as per item 1 above.

\*COA's prepared by Paul R. Swartz

ENTERED  
IN AFMSS