

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OGD

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

OCD Hobbs

NOV 03 2011

5. Lease Serial No.  
NM-10934

6. If Indian, Allottee or Tribe Name

**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

☐ Oil Well ☐ Gas Well ☒ Other Injection Well2. Name of Operator  
Chevron U.S.A. Inc3a. Address  
15 Smith Rd, Midland, TX 797053b. Phone No (include area code)  
(432) 687-76884. Location of Well (Footage, Sec., T. R., M., or Survey Description)  
660' FNL & 660' FWL Section 35 Township 24S Range 37E Lea County, NM

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

8. Well Name and No  
C.C. Fristoe A Federal NCT 1 #69. API Well No  
30-025-11371

10. Field and Pool or Exploratory Area

11. Country 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

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other Determine cause  
of backside pressure

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 9/19/11 and rigged down 9/28/11. Pressured up csg to 950 psi 'GOOD'. Pumped brine down tbg, no communication seen with csg. Set profile plug @ 3316', pressured tbg to 1900#. Held for 15 mins. POOH w/ tbg & pkr RIH w/ PKR & O/O Tool. Set PKR @ 3321'. Circulated pkr fluid. Test TBG while RIH. All joints held to 6000#. Test csg to 980# lost 20# in 10 min then held for 30 min. NDBOP, NUWH. Pressured TBG to 1300# to pump out plug. CSG pressure went up 200#. Pressure CSG to 510#. Ran chart 'OK'. Install INJ line, turn on to injection over weekend. Inj pressure TBG 1200# CSG 900#. Open CSG to tank. Set profile plug in nipple. Pressure CSG to 1800#, TBG started to run over, lost pressure on CSG. Pressure TBG to 2000#, CSG started to run over, TBG lost pressure. NDWH, NUBOP. POOH w/ TBG & O/O Tool. Seals cut in O/O Tool. RIH w/ IPC Prod TBG & O/O Tool. Load and test TBG to 1800#. HELD. Load and test CSG to 1000#. HELD. Circulated PKR fluid and tested TBG to 1600# 'GOOD'. NDBOP, NUWH. Pressured up CSG & PKR to 500# for H5 test. 'Held good for 15 min'. Put well on injection. RDMO.

SEE ATTACHED FOR  
CONDITIONS OF APPROVALENTERED  
IN AFMS

This is a resend, to include applicable Conditions of Approval

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

Name (Printed/Typed)

Jamie Castagno

Title Production Engineer

Signature

Date 10/03/2011

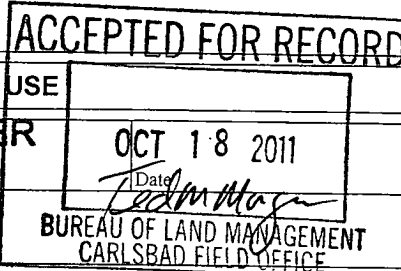
THIS SPACE FOR FEDERAL OR STATE OFFICE USE

PETROLEUM ENGINEER

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.

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)

NOV 03 2011

Good test  
bottoming - Am

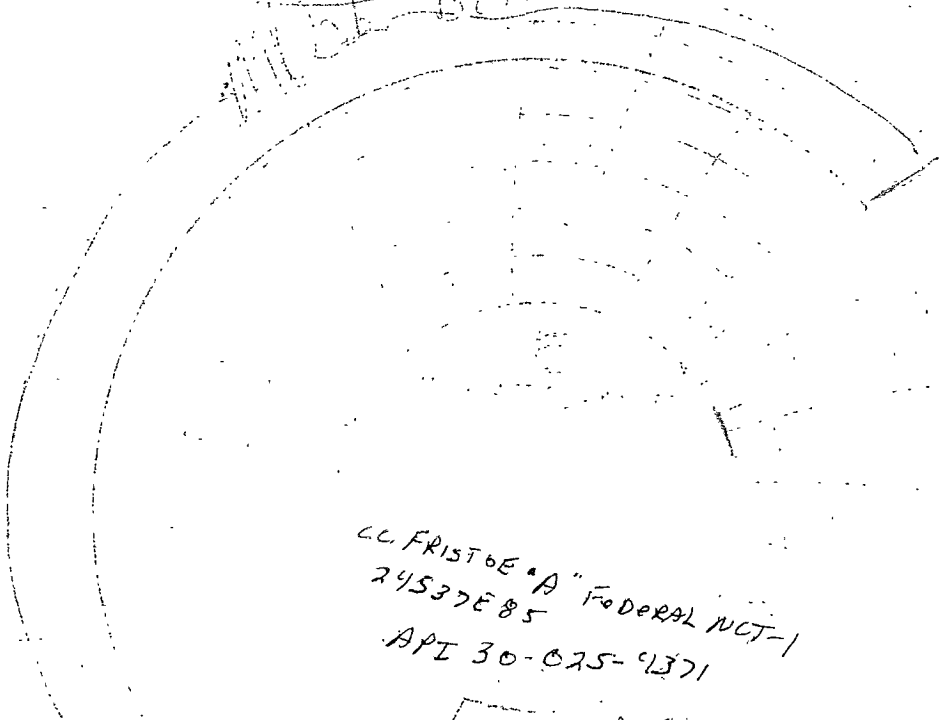
Bottom line  
3353'

Open Hole  
3353'  
3518'

OKR set  
@ 3321'

30-025-11371  
CCPRIDE A-1 #6  
LSE # NM 10934  
35-24-37

11/21/85 BLN



CC FRISTOE "A" FEDERAL NCT-1  
24537E85  
API 30-025-9371

LARRY PAGLIANO  
9-23-11

BOYD  
YARD  
C



WELL NAME: Fristoe A NCT 1 #6

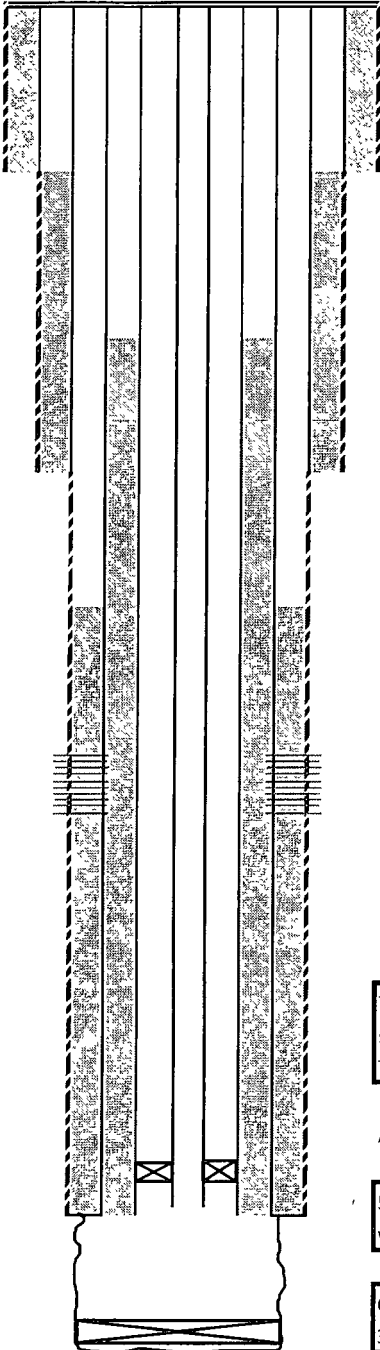
API #: 30-025-11371

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'

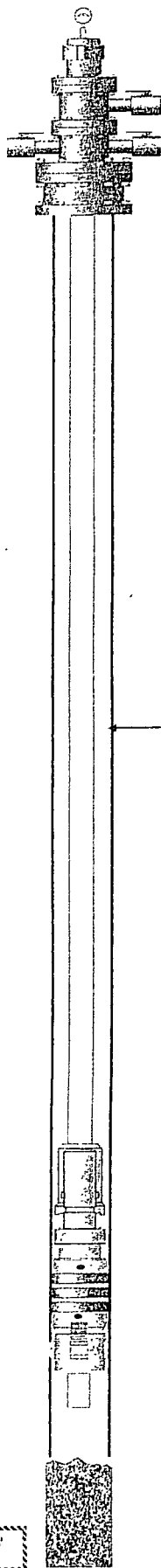
Arrowset PKR set @ 3325' (09/11)

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'



## Chevron

PBTD @ 3518'

# Conditions of Approval

**Chevron USA Inc**  
**Fristoe A Federal NCT 1 #6**  
**API 3002511371**  
November 1, 2011

## General Conditions of Approval: Wells with Packers

- 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 workover.
  - 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.
- 3) Other unexplained significant variations of rate or pressure to be reported within 5 days of notice.
- 4) The casing/tubing annulus is required to be monitored for communication with injection fluid or loss of casing integrity.
- 5) 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.
- 6) **Submit a subsequent report (Sundry Form 3160-5) describing the installation of packer fluid level monitoring equipment within 30 days of this approval.**

- 7) 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.
- 8) 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.
- 9) Also submit to this office a (Sundry Form 3160-5) Notice of Intent (NOI) for planned well work involving a formation change, casing repair/replacement, and injection well fracture treatment for approval by BLM and NMOCD. Verbal approval for the plan may be given by a BLM authorized officer, with the NOI filed within five business days. Packer and tubing repair (normal maintenance procedures) do not require a NOI, but a subsequent sundry needs to be filed.
- 10) Submit a (Sundry Form 3160-5) Subsequent report (daily reports) describing all wellbore activity and Mechanical Integrity Test as per item 1) above. Include the date(s) of the well work, and the setting depths of required equipment: tubing, on/off tool, profile nipple, and packer.

PRS 10131