

MAILED MARCH 19, 1996

In Lieu of  
Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use  
"APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	5. Lease Designation and Serial No. NM-03189
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO BOX 3102 MS 37-4, TULSA, OK 74101 (918) 588-5298	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 990' FNL & 990' FEL' - NE/4NE/4 SECTION 21-32N-11W	8. Well Name and No. Cox Canyon Unit #4
	9. API Well No. 30-045-11368
	10. Field and Pool, or Exploratory Area Banco Mesa Verde
	11. County or Parish, State San Juan, New Mexico

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	Abandonment
<input type="checkbox"/> Subsequent Report	Recompletion
<input type="checkbox"/> Final Abandonment	Plugging Back
	Casing Repair
	Altering Casing
	<input checked="" type="checkbox"/> Other <u>Repair wellhead communication</u>
	Change of Plans
	New Construction
	Non-Routine Fracturing
	Water Shut-Off
	Conversion to Injection
	Dispose Water
	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Estimated start date: 04-08-96

Williams Production Company proposes to investigate and repair wellhead communication between Bradenhead and Intermediate values as per the following procedure.

RECEIVED  
APR - 1 1996  
OIL CON. DIV.  
DIST. 2

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

BOB MC ELHATTAN

Signed

*Bob Mc Elhattan*

Title: DIVISION ORDER ANALYST

Date: MARCH 19, 1996

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

APPROVED

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States a false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

NMOCD

APR 2 8 1996  
District Manager

PROCEDURE  
Cox Canyon Unit #4

Purpose: To eliminate Bradenhead and Intermediate casing communication.

1. Notify Farmington BLM 24 hours prior to work.
  2. Locate and test anchors. Set new anchors if necessary. Dig pit and set blow tank.
  3. MIRUSU.
  4. Blow down well. Kill Mesaverde tubing with 1% KCl water only if necessary. ND wellhead and NU BOP.
  5. TOH with 2-3/8" tubing. Visually inspect and replace bad joints. Check donut and repair if necessary. Tubing string was tested in 1995.
  6. TIH with packer and retrievable BP on 2-3/8" tubing. Set RBP in 5" casing at  $\pm 3000'$ . Drop sand on top of RBP. Load hole with water and pressure test RBP and 5" casing separately to 800 psig.
    - 6a. If casing pressure test holds proceed with next step.
    - 6b. If pressure test does not hold isolate leak with packer. Review location of leak with engineering and design cement squeeze. After cement squeeze of casing leak shut down rig overnight. Next day open Bradenhead and check for flow. Depending on squeeze, job may be complete.
- If there is still flow proceed with next step.
- Bleed off pressure between 5" and 7" annulus.
7. ND BOP and tubing head.
  8. Prepare to backoff 5" production casing. Determine depth to backoff point. TOC at 2282' by calculation. Using a string shot and spear, backoff 5" casing  $\pm 200'$  down. Pull and replace 5" casing hanger with positive seal hanger.
  9. TOH with 5" casing. Visually inspect. Repair threads as necessary.
  10. ND casing head spool. 7" casing stub should be looking up. Weld 7" stub if not.
  11. With a spear pull up 7" casing enough to remove hanger. Replace with positive seal hanger.

MODIFY REPLACEMENT TUBING HEAD AND SPOOL WITH SECONDARY SEALS

12. RIH with 5" production casing and screw back into 5" stub.
13. Replace tubing head with modified head with secondary seal elements. Energize seal elements. NU BOP.
14. TIH and retrieve 5" RBP. TOH.
15. TIH with 2-3/8" tubing string and land at 5703'
16. ND BOP, NU wellhead and pump out plug if used. Shut well in for buildup.
17. Clean up location and release rig.

A handwritten signature in cursive script, reading "Sterg Katirgis", is written over a horizontal line.

Sterg Katirgis  
Sr. Engineer

WELLBORE DIAGRAM  
COX CANYON #4  
NE/4 NE/4 SEC 21, 32N, 11W  
San Juan County, NM

990'FNL & 990'FEL  
21 32N 11W  
San Juan County, NM  
Elevation: 6535' GL

Ojo Alamo	2153
Kirtland	2778
Fruitland	3260
Pictured Cliffs	3442
Lewis	5060
Cliff House Trans.	4770
Cliff House	5064
Menefee	5162
Point Lookout	5512

2 sq holes @ 4509'. Sq w/  
100 sx Cl "B" w/ 2% CaCl. Good  
bond. Held press.

2 sq holes @ 5042'. Sq w/  
50 sx Cl "B". No bond.

PBTD=5717'

9-5/8" H-40, 8RD @203'  
Cmt w/ 125 sx  
TOC @ surface (circ)  
12-1/4" hole

7" 20#, J-55 @ 3460'  
Cmt W/ 200 sx  
TOC @ 2282' (calc)  
8-3/4" hole

186 jts 2-3/8", 4.7#, J-55, 8rd, EUE  
5697' set @ 5703'  
3' perfor nipple on botm

Additional perfs @ 4869, 71, 4923, 27, 43, 67, 92, 5032  
top perf 5072'

Mesaverde  
bottom perf 5716

5" 11.5#, J-55, 8rd, @ 5719'  
Cmt w/ 150 sx  
TOC @ 3988' (calc)  
6-1/4" hole

## DATA SHEET

**WELLNAME:** Cox Canyon Unit #4      **FIELD:** Blanco Mesaverde  
**LOCATION:** NE/4 NE/4 SEC. 21, T32N, R11W      **ELEVATION:** 6535' GR KB: 12'  
**COUNTY:** San Juan      **State:** NM      **TD:** 5719' KB

<b>FORMATION TOPS:</b>	Ojo Alamo	2153'	Cliff House Trans.	5060'
	Kirtland	2778'	Cliff House	5064'
	Fruitland	3260'	Menefee	5162'
	Pictured Cliffs	3442'	Point Lookout	5512'
	Lewis			

**I.D. DATE:** 10-28-56

### CASING RECORD:

<u>CASING</u>	<u>SIZE</u>	<u>WT. &amp; GRADE</u>	<u>DEPTH SET</u>	<u>CEMENT</u>	<u>TOC</u>
SURFACE	9-5/8"	32.3# H-40	203'	125 SX	surface
INTERMEDIATE	7"	20# J-55	3460'	200 SX	2282'(calc)
PRODUCTION	5"	11.5# J-55	5719'	150 SX	3988'(calc)

**WELLHEAD EQUIPMENT:** Casinghead: 10" 600 OCT C-20      Tubinghead: 10" 600 x 6" 600 OCT T-16  
Spool: 10" 600 x 10" 600 OCT C-20      Bonnet:

**TUBING EQUIPMENT:** 186 JTS. (5697') 2-3/8" 4.7# J-55 EUE W/ 3' perfed nipple on bottom.  
Landed @ 5703' KB.

**LOGGING RECORD:** GR, Radioactivity

**STIMULATION:** 5642'-5716' Frac w/ 50,400 gals water  
5516'-5612' Frac w/ 46,200 gals water  
5202'-5480' Frac w/ 54,000 gals water  
5104'-5072' frac w/ 50,400 gals water

**PRODUCTION HISTORY:** Cumulative production: 5374 MMCF      Current production: 230 MCFD

5/18/95 Workover: Shot 2 sq holes at 5042'. Squeezed w/ 50 sx CI "B". No bond. Shot 2 squeeze holes at 4509'. Squeezed w/ 100 sx CI "B" w/ 2%. Good bond. Perfed at 4869, 71, 4923, 27, 43, 67, 92, 5032. Did not frac; no control behind pipe.