

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT  
Bureau of Land Management  
Farmington Field Office

RECEIVED

JUN 24 2008

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

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

5. Lease Designation and Serial No.  
NM-03190

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA, Agreement Designation  
Cox Canyon

8. Well Name and No.  
Cox Canyon Unit #7C

9. API Well No  
30-045-33018

10. Field and Pool, or Exploratory Area  
Blanco MV/Basin DK

11. County or Parish, State  
San Juan, NM

SUBMIT IN TRIPLICATE

1. Type of Well  
Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.  
PO BOX 640 Aztec, NM 87410-0640

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Surface: 1485' FSL & 1940' FWL Sec 17, T32N, R11W

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>Squeeze &amp; Commingle</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)\*

Williams Production, LLC. plans to place cement behind the 5-1/2" casing to cover the Lewis, Pictured Cliffs and Fruitland Coal formations. At this time we also plan to remove the packer between the Dakota and Mesaverde and commingle the two zones. A commingle application has been filed with the NMOCD

CONDITIONS OF APPROVAL  
Adhere to previously issued stipulations.

RCVD JUN 27 '08  
OIL CONS. DIV.

DIST. 3

Submit squeeze operation results on next sundry

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

Signed Larry Higgins  
Larry Higgins

Title Drilling COM Date 6-23-08

(This space for Federal or State office use)

Approved by Troy L. Sahyers

Title Petroleum Engineer Date 6-25-08

Conditions of approval, if any



Exploration & Production  
**SQUEEZE & COMMINGLE PROGNOSIS**

<b><u>WELL NAME:</u></b>	Cox Canyon #7C	<b><u>DATE:</u></b>	6/23/2008
<b><u>LOCATION Surface:</u></b>	1485 FSL, 1940' FWL SEC. 17-T32N-R11W San Juan, NM	<b><u>FIELD:</u></b>	Blanco MV Basin DK
		<b><u>API NUMBER:</u></b>	30-045-33018
<b><u>LOCATION Btm Hole:</u></b>	1485 FSL, 1940' FWL SEC. 17-T32N-R11W San Juan, NM	<b><u>SURFACE:</u></b>	Fee-K. Decker
		<b><u>MINERALS:</u></b>	Fed / NM-03190
<b><u>ELEVATION:</u></b>	6,737' GR	<b><u>AFE NUMBER:</u></b>	WT1612(MV) WT5262(DK)
<b><u>DRILLER KB:</u></b>	14' AGL	<b><u>AMOUNT:</u></b>	\$ 726,864(MV) \$ 831,013(DK) \$1,557,877(Total)
<b><u>DRILLER TD:</u></b>	8,206'	<b><u>DCT:</u></b>	\$1,148,490
<b><u>PROD CSG Set at:</u></b>	8142'	<b><u>OGRE ID:</u></b>	5564(MV) 6130(DK)
<b><u>FLOAT COLLAR:</u></b>	8,094'	<b><u>ORACLE ID:</u></b>	62048877(MV) 62164655(DK)
<b><u>MARKER JTS:</u></b>	5,541'-5560'	<b><u>PROD TEAM LEAD:</u></b>	Cyd Shepard
<b><u>DRILL RIG:</u></b>	AWS 124	<b><u>PROD TECH:</u></b>	Darrell Bays
<b><u>DRILL CNSLTNT:</u></b>	Willie Mock/G. Gathings	<b><u>INV RTG CODE:</u></b>	NXEKK334711
<b><u>DRILL SPUD/FIN:</u></b>	3/9/08-3/24/08		

**CASING RECORD:**

TYPE	SIZE	WT	GRADE	THRD	SET AT	OH SIZE	TOC
Surface	10 3/4	40.5	K-55	ST&C	362	14 3/4	surface
Intermediate	7 5/8	26.4	K-55	LT&C	2,865	9 7/8	surface
Drlg Liner	None						
Longstring	5 1/2	17	N-80	LT&C	8,142	6 3/4	4690 CBL

**WIRELINE LOGS:** Weatherford – MPD/MDN, MAI/MFE (03-23-08)

**FORMATION TOPS:**

Ojo Alamo	1,386	Menefee	5,320
Kirtland	1,448	Point Lookout	5,681
Fruitland	2,941	Mancos	6,022
Picture Cliffs	3,388	Gallup	7,066
Lewis	3,575	Greenhorn	7,770
Huerfanito	4,070	Graneros	7,831
Cliffhouse Trans	4,928	Dakota	7,899
Cliff House	5,167	TD	8,206

## Cox Canyon #7C Squeeze and Commingle Plan

### PROJECT OBJECTIVE:

To place cement behind the 5 1/2" casing in order to isolate and separate the Lewis, Pictured Cliffs, and Fruitland Coal. Also to remove the packer between the Dakota and Mesaverde and commingle the two zones.

### CRITICAL ITEM DISCUSSION:

While drilling the Dakota formation a kick occurred about 7974'. At 7996' the wellbore was thought to be getting wet so the rig mudded up. While running the 5 1/2" casing circulation was lost. The pipe could not be run all the way to the bottom and was set at 8142' and cemented. There was no circulation of mud at the surface during the job. The pump pressure was abnormally high and it was suspected that a bridge-off occurred. A CBL was run and confirmed the TOC at 7830'. During the completion cement was squeezed behind the 5 1/2" casing numerous times to a height of 4690' and the Dakota and Mesaverde were completed. The BLM has requested that cement be placed the rest of the way up to the intermediate casing to adequately isolate the Lewis, PC, and Fruitland coal formations. ✓

### A. PREPARATION:

1. MIRUCU. NDWH. NU BOPE, Blooie line, & 2 7/8 handling tools. RU pump and recirculating pit. RU Air package. The workstring will be the 2 7/8" 6.5# N-80 EUE production tubing that is in the well.
2. Pick up on 2 7/8" production tubing and unset Weatherford production packer set at 6245' and TOO H.

### B. SQUEEZE:

3. RU Perforating truck and set CIBP at 4730'.
4. Shoot 3 squeeze holes (120 phase) at 4650'. ✓
5. Pump into holes with water and establish rate and pressure trying to circulate to surface. Discuss with engineer.
6. If circulation is possible, order 150 sacks of PLHS cement. If circ is not possible, order 100 sacks of PLHS cement.
7. PU 5 1/2" cement retainer and RIH on 2 7/8 tubing and set at apprx 4565' (dodge collars at 4546' & 4586').
8. Perform cement squeeze, sting out of retainer, reverse circ tbg clean and TOO H. WOC.
9. If cement job went as expected then run CBL. If TOC is not sufficient (2800' or above), repeat process until it is. ✓

### C. CLEAN UP:

1. PU 4 3/4" bit and drill out cement retainer(s) to CIBP. PSI test csg to 1500 psi for 30 min.
2. Drill CIBP and push to bottom.
3. Circulate well clean with air/mist and TOO H.
4. Run 2 7/8" production tubing with 1/2 MS on bottom with pump-out check and SN.
5. Land tubing with MS below bottom perf (8076') or as per Production Engineer instructions.
6. No packer is to be run because both zones are to be commingled.
7. ND BOP and NU WH.
8. Pump out plugs and kick well off up the tubing.
9. Rig down and release rig.

  
for Kirk Place  
Production Engineer