

# RECEIVED

In Lieu of  
Form 3160  
(June 1990)

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

MAR 05 2009

Bureau of Land Management  
Farmington Field Office

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

SUBMIT IN TRIPLICATE

1. Type of Well  
Oil Well Gas Well **X** 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)  
**1980' FSL & 660' FWL SEC 29, T27N, R3W**

5. Lease Designation and Serial No.  
**Jicarilla Apache Contract #92**

6. If Indian, Allottee or Tribe Name  
**Jicarilla Apache Nation**

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Jicarilla 92 #2B**

9. API Well No.  
**30-039-29935**

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

11. County or Parish, State  
**Rio Arriba, NM**

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

TYPE OF SUBMISSION

**x** Notice of Intent  
Subsequent Report  
Final Abandonment

TYPE OF ACTION

Abandonment  
Recompletion  
Plugging Back  
Casing Repair  
Altering Casing  
**X** Other Squeeze Job

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 plans to squeeze this well per attached procedure. Verbal approval for this procedure was given by Wayne Townsend to Kirk Place on 3/2/09.

RCVD MAR 9 '09

OIL CONS. DIV.

DIST. 3

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

Signed Heather Riley  
Heather Riley

Title Regulatory Specialist

Date 3/5/09

(This space for Federal or State office use)

Approved by Wayne Townsend

Title Pet. Eng.

Date 3/6/09

Conditions of approval, if any:

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD 10



Exploration & Production  
**COMPLETION PROGNOSIS**  
Mesaverde Interval  
Squeeze Procedure

<b>WELL NAME:</b>	Jicarilla 92 #2B	<b>DATE:</b>	3/5/2009
<b>LOCATION Surface:</b>	1980' FSL, 660' FWL SEC. 29-T27N-R3W Rio Arriba, NM	<b>FIELD:</b>	Blanco MV
<b>LOCATION Btm Hole:</b>	1980' FSL, 660' FWL SEC. 29-T27N-R3W Rio Arriba, NM	<b>API NUMBER:</b>	30-039-29935
<b>ELEVATION:</b>	7,209' GR	<b>SURFACE:</b>	Jicarilla Apache
<b>DRILLER KB:</b>	14.5' AGL	<b>MINERALS:</b>	Fed / cont 92
<b>DRILLER TD:</b>	6,600'	<b>AFE NUMBER:</b>	WT2333
<b>PROD CSG Set at:</b>	6,576'	<b>AMOUNT:</b>	\$1,113,532
<b>FLOAT COLLAR:</b>	6,528'	<b>DCT:</b>	\$783,088
<b>DV STAGE TOOL:</b>	3,864'	<b>OGRE ID:</b>	5697
<b>DRILL RIG:</b>	AWS 124	<b>ORACLE ID:</b>	62050570
<b>DRILL CNSLTNT:</b>	G. Gathings/W. Mock	<b>PROD TEAM LEAD:</b>	Matt Lane
<b>DRILL SPUD/FIN:</b>	1/16/09-2/01/09	<b>PROD TECH:</b>	Tommy Clements
		<b>INV RTG CODE:</b>	NXEKK334711

**CASING RECORD:**

TYPE	SIZE	WT	GRADE	THRD	SET AT	TOL	OH SIZE	TOC
Surface	10.75	40.5	K-55	ST&C	334		14.75	surface
Production	7 5/8	26.4	J-55	LT&C	0 - 5466			
Production	7 5/8	29.7	P-110	LT&C	5466-6576		9 7/8	TBD

**WIRELINE LOGS:** Weatherford – MDN/MPD & MAI/MFE (1-29-09)

**FORMATION TOPS:**

Ojo Alamo	3,542	Cliffhouse Trans	
Kirtland	3,698	Cliff House	5,690
Fruitland	3,738	Menefee	5,812
Picture Cliffs	3,994	Point Lookout	6,106
Lewis	4,216	Mancos	6,452
Huerfano	4,501	TD (Logger)	6,600

## Jicarilla 92 #2B Completion Plan Mesaverde Interval Squeeze Procedure

### **PROJECT OBJECTIVE:**

Place cement behind the 7 5/8" casing over the Mesaverde interval to allow for proper isolation of fracturing intervals. Exceptions are the critical items noted next.

### **CRITICAL ITEM DISCUSSION:**

Normally a 7" intermediate string is run to the Lewis shale and then a 4 1/2" production liner through the Mesaverde. In this well a 7 5/8" intermediate string was run through the Mesaverde and a DV cementing stage tool was used. Neither cement stage circulated during cementing. Note the mixed string wt and grade of 7 5/8" casing (J-55&P-110).

The DV tool was drilled out and a CBL run to the surface. The top of cement was found to be at about 6260'. It is intended to block squeeze the Mesaverde isolating the Point Lookout (1<sup>st</sup> stage) from the Cliffhouse/Menefee (2<sup>nd</sup> stage) and from the Lewis shale above. The completion of the Mesaverde will be performed and then the upper portion of the well will be squeeze cemented according to a subsequent procedure to be determined by results and discussion with appropriate parties.

### **A. SQUEEZE PROCEDURE:**

1. RU wireline truck and perforate 7 5/8" casing at 6074' with 3 holes phased 120 degrees apart with 1000 psi on casing. Note if casing pressure goes to zero.
2. Pump down casing with water and establish rate and pressure.
3. PU cement retainer, run in hole on tubing, and set at approximately 6000'.
4. Apply at least 500 psi to annulus.
5. Pump 100 sacks Class G premium cement down tubing to within 1/4 Bbl of end of tubing. Sting out of retainer, reverse circulate tubing clean, and TOO H.
6. PU 6 3/4" bit and TIH. WOC 1 day. Drill retainer and cement to PBTD and TOO H. Pressure test casing to 500 psi.
7. Run CBL and discuss results with engineer. If satisfactory, proceed as follows.
8. If squeeze perfs hold pressure, perforate 2<sup>nd</sup> squeeze holes at 5708' (3 shots phased 120 degrees). If perfs do not hold pressure, then set a CIBP at 5950'.
9. Pump into squeeze perfs and establish rate and pressure. Look for circulation at surface. If it is believed that cement can be raised a significant distance, then consult with Halliburton Engineer for a light weight lead slurry and volume.
10. PU cement retainer, run in hole on tubing, and set at approximately 5630'. Pressure annulus to 500 psi.
11. Pump lead slurry (at least 200 sacks) followed by 50 sacks of Class G premium cement down tubing to within 1/4 Bbl of end of tubing. Sting out of retainer, reverse circulate tubing clean, and TOO H.
12. PU 6 3/4" bit and TIH. WOC 1 day. Drill retainer and cement to PBTD and TOO H. Pressure test casing to 500 psi.
13. Run CBL and discuss results with engineer. If satisfactory, proceed with Mesaverde completion.

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Kirk Place  
Production Engineer