

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 22 2010

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**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.*

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF-078771
2. Name of Operator Williams Production Company, LLC		6. If Indian, Allottee or Tribe Name
3a. Address PO Box 640 Aztec, NM 87410	3b. Phone No. (include area code) 505-634-4208	7. If Unit of CA/Agreement, Name and/or No. Rosa Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2505' FNL & 895' FEL, sec 23, T31N, R6W		8. Well Name and No. Rosa Unit #14C
		9. API Well No. 30-039-30132
		10. Field and Pool or Exploratory Area Blanco MV/Basin MC/Basin DK
		11. Country or Parish, State Rio Arriba

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>monitor</u>
	<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 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 recompleate 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 recompleation 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.)

Williams Production requests authorization to move on this location, perforate and monitor the Mancos formation during winter closure. We would return in the spring, finish completing the Mancos and return the well to production as a MV/MC/DK commingle. During the winter closure the well would be produced as a Mesaverde only. Attached are procedures for observation, completion and a C-102 showing all three formations

*Verbal approved was issued 11/22/10*

RCVD DEC 1 '10  
OIL CONS. DIV.  
DIST. 3

*Obtain DHC Order Before Commingle Production*

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) <i>Carry Higgins</i>		Title Permit Supervisor
Signature		Date 11/22/10

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>[Signature]</i>	Title <i>Pet. Eng.</i>	Date <i>11/29/10</i>
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.	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)

NMOCD

☐ AMENDED REPORT

16

5280.00'

LEASE  
SF-078771

LEASE  
SF-078771

2505'

2640.00'

LAT: 36.88546 °N  
LONG: 107.42619 °W  
DATUM: NAD1983

895'

23

5280.00'

LEASE  
SF-078771

2640.00'

5278.68'

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Larry Higgins* 11-22-10  
Signature Date

LARRY HIGGINS  
Printed Name

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: JULY 24, 2010  
Date of Survey: APRIL 19, 2006

Signature and Seal of Professional Surveyor

JASON C. EDWARDS  
NEW MEXICO  
15269  
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS  
Certificate Number 15269



EXPLORATION & PRODUCTION

# MANCOS PRESSURE OBSERVATION

ROSA UNIT #14C  
RIO ARRIBA, NEW MEXICO  
NOVEMBER 2010

## WELLBORE STATUS:

PBTD 7,920' MD

2-1/16", 3.25#/FT, J-55 IJ To 5,895' KB--- MESA VERDE COMPLETION

2-1/16", 3.25#/FT, J-55 To 7,855' KB--- DAKOTA COMPLETION

5-1/2" 17# N-80 LT&C CSG @ 7,918'

ARROW MODEL "B" PACKER @ 5960

**Objective: PULL DUAL COMPLETION, RECOMPLETE MANCOS AND COMMINGLE.**

1. MIRU, kill well.
2. NDWH & NUBOP
3. TOOH w/ tubing and packer.
4. RIH w/ bridge plug set above Dakota.
5. Perf lower Mancos zone.
6. RIH w/ frac strg and packer.
7. Set packer above Mancos interval.
8. Breakdown 1<sup>st</sup> stage
9. TOH w/ packer and frac strg
10. Set comp BP w/ pressure gauges above lower Mancos zones.
11. Perf upper Mancos.
12. TIH w/ packer and frac strg set above upper zone.
13. Breakdown 2<sup>nd</sup> stage.
14. TOH w/ frac strg and packer.
15. Set comp BP w/ pressure gauges above upper Mancos zones
16. TIH and land production tbg.
17. Return to production as MV only well.

## **PRIOR TO PRIMARY JOB**

- 1) Test rig anchors.
- 2) Verify location is OK for rig operations.
- 3) Ensure JSA, ECP's and lockout procedures are in place for the flowline and other energized piping or equipment.

### **SAFETY NOTICE**

PERSONNEL SAFETY IS THE NUMBER ONE JOB.  
NO EXCEPTIONS!!!  
**PLEASE FOLLOW APPROPRIATE WILLIAMS CONTRACTOR  
PROTOCOLS FOR THIS JOB PLAN**

Please see your Williams Business Representative if you have any questions; Contractor protocols can be located in the Williams E&P Contractor Guide.

## **PROCEDURE:**

**Note:** A safety meeting shall be held each morning before work and subsequent "tailgate" safety meetings are to be held during the day when operation objectives shift in nature and intent (i.e. beginning/ending fishing operations, squeeze jobs, rigging down, etc.) Please ensure these are documented per section 2.2.7 of the Williams E&P Contractor Guide

1. Spot equipment, MIRU.
2. Blow down well.

**Note:** Steps 2 is to be performed each day before work begins and as necessary throughout the workday (with expected departure(s) when tubing is out of the hole).

3. ND tree and NU BOP's (blind & pipe rams).
4. Test BOP's for operation and have shop test report for pressure on location.

**Note:** Step 4 is to be performed each time BOP stack is nipped up.

5. TOOH and LD prod tbg.
6. Remove packer @ 5960'
7. Set CIBP @ 7,320' above Dakota.
8. RU perforating company and perforate lower Mancos zones.
9. TIH w/ work string and Packer. Set Packer @ 6,015' above Mancos zones.
10. Load tbg w/ 2% KCl wtr.
11. Breakdown lower Mancos perforations.
12. Unseat packer and TOH
13. Set retrievable BP and pressure gauge @ 7,005' above lower Mancos

14. RU perforating company and perforate upper Mancos zones.
15. TIH with packer and work string isolate Mesa Verde perms.
16. Breakdown upper Mancos perforations.
17. Unseat packer TOH.
18. Set retrievable BP and pressure gauge @6,780' above upper Mancos

**19. ATTENTION**

Only use pipe dope on the pins. Do not dope the couplings. If pipe dope gets on the exterior of the couplings or the pipe it should be wiped clean from the pipe or coupling. Do not use excess pipe dope and only dope the threads on the pins.

20. RIH w/ completion string, MU ½ mule shoe, seat nipple w/ standing valve.
21. Hang off tubing @ 5,900'.

**Note:** This well should be dead and the BOP's shall be closed and locked at the end of daily operations.

22. Ensure tubing is not plugged prior to releasing the rig
23. N/D BOP's and N/U wellhead.
24. Return well to production.
25. R/D, move off location.



EXPLORATION & PRODUCTION

## **RECOMPLETE MANCOS**

**ROSA UNIT #14C**

**RIO ARRIBA, NEW MEXICO**

**NOVEMBER 2010**

### **WELLBORE STATUS:**

**PBTD 7,920' MD**

**2-1/16", 3.25#/FT, J-55 IJ To 5,895' KB--- MESA VERDE COMPLETION**

**5-1/2" 17# N-80 LT&C CSG @ 7,918'**

**Objective: PULL DUAL COMPLETION, RECOMPLETE MANCOS AND COMMINGLE.**

1. MIRU, kill well.
2. NDWH & NUBOP
3. TOOH w/ MV tubing.
4. Retrieve BP w/ pressure gauges.
5. RIH w/ frac strg and packer.
6. Set packer above Lower Mancos interval.
7. Frac lower Mancos
8. TOH w/ packer and frac strg
9. Set CIBP above lower Mancos zones.
10. TIH w/ packer and frac strg set above upper Mancos.
11. Frac upper Mancos.
12. TOH w/ frac strg and packer.
13. Drill out BP isolating Mancos and Dakota zones
14. TIH and land production tbg.
15. Return to production as commingled well.

### **PRIOR TO PRIMARY JOB**

- 1) Test rig anchors.
- 2) Verify location is OK for rig operations.

- 3) Ensure JSA, ECP's and lockout procedures are in place for the flowline and other energized piping or equipment.

### **SAFETY NOTICE**

PERSONNEL SAFETY IS THE NUMBER ONE JOB.

NO EXCEPTIONS!!!

**PLEASE FOLLOW APPROPRIATE WILLIAMS CONTRACTOR  
PROTOCOLS FOR THIS JOB PLAN**

Please see your Williams Business Representative if you have any questions; Contractor protocols can be located in the Williams E&P Contractor Guide.

### **PROCEDURE:**

**Note:** A safety meeting shall be held each morning before work and subsequent "tailgate" safety meetings are to be held during the day when operation objectives shift in nature and intent (i.e. beginning/ending fishing operations, squeeze jobs, rigging down, etc.) Please ensure these are documented per section 2.2.7 of the Williams E&P Contractor Guide

1. Spot equipment, MIRU.
2. Blow down well.

**Note:** Steps 2 is to be performed each day before work begins and as necessary throughout the workday (with expected departure(s) when tubing is out of the hole).

3. ND tree and NU BOP's (blind & pipe rams).
4. Test BOP's for operation and have shop test report for pressure on location.

**Note:** Step 4 is to be performed each time BOP stack is nipped up.

5. TOO H and LD MV tbg.
6. Retrieve Bridge plug w/ gauges @ 6,780' and 7,005'
7. TIH w/ work string and Packer. Set Packer @ 7,005' above lower Mancos zones.
8. Frac lower Mancos.
9. Unseat packer and TOH
10. Set BP @ 7,005' above lower Mancos.
11. TIH with packer and work string isolate Mesa Verde perms.
12. Frac upper Mancos.
13. Unseat packer TOH.
14. Drill out Bridge plugs @ 7,005' and 7,320'

### **15. ATTENTION**

Only use pipe dope on the pins. Do not dope the couplings. If pipe dope gets on the exterior of the couplings or the pipe it should be wiped clean from the pipe or coupling. Do not use excess pipe dope and only dope the threads on the pins.

16. RIH w/ completion string, MU ½ mule shoe, seat nipple w/ standing valve.
17. Land tubing @ 7,885'.

**Note:** This well should be dead and the BOP's shall be closed and locked at the end of daily operations.

18. Ensure tubing is not plugged prior to releasing the rig
19. N/D BOP's and N/U wellhead.
20. Return well to production.
21. R/D, move off location.