

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 13 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.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Williams Production Company, LLC

3a. Address
PO Box 640 Aztec, NM 87410

3b. Phone No. (include area code)
505-634-4208

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Section 23C, T31N, R6W

5. Lease Serial No.

SE-078771

6. Indian, Allottee or Tribe Name

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

8. Well Name and No.
Rosa Unit #51

9. API Well No.
30-039-20289

10. Field and Pool or Exploratory Area
Basin Dakota

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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>run geophone</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 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.)

Williams production plans to run a Pinnacle geophone array in this well bore to monitor the fracs on our Rosa Unit 634A and 634B Mancos laterals as per attached procedure.

RCVD SEP 30 '10
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Larry Higgins		Title Permit Supervisor	
Signature <u>Larry Higgins</u>		Date 8-13-10	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved by <u>Troy L. Solvers</u>		Title PE	Date 9/28/10
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 FFO	

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



EXPLORATION & PRODUCTION

VSP/FRAC MONITOR PROCEDURE

ROSA UNIT #51

RIO ARRIBA, NEW MEXICO

AUGUST 10, 2010

WELLBORE STATUS:

PBTD 7930' MD

2-3/8", 4.7#/FT, J-55 EUE TO 7735' MD--- DAKOTA COMPLETION

4-1/2" 10.5#/FT K-55 ST&C PRODUCTION CASING TO 7965'

OBJECTIVE: Monitor RU #634A & RU #634B fracs with Pinnacle geophone array.

1. MIRU, kill well, ND tree, & NU BOP's.
2. TOOH w/ tubing.
3. TIH w/ RBP & load hole w/ 2% KCl.
4. RIH w/ Pinnacle geophone array.
5. Acquire VSP prior to frac monitoring.
6. Monitor fracs in Rosa Unit #634A & 634B
7. Retrieve Pinnacle geophone array
8. Unload hole and retrieve RBP
9. TIH w/ production tubing and land @ +/- 7735.
6. ND BOP's & NU tree.
7. Return to production.

PRIOR TO PRIMARY JOB

- 1) Acquire 4-1/2" wire-line RBP.
- 2) Test rig anchors.
- 3) Verify location is OK for rig operations.
- 4) 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 gas on well as possible to kill.
3. Set BPV's as necessary and pump into tubing string and backside to load well with filtered FLSW + 2% KCl as necessary to kill well.

Note: Steps 2 & 3 are 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).

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

Note: Step 5 is to be performed each time BOP stack is nipped up.

6. POOH with 2-3/8" production string standing back, lay down any damaged or worn tubing.
7. MIRU Wireline and set 4-1/2" RBP @ ~ 7500'.
8. Load hole w/ 2% KCL water.
9. Run and set Pinnacle geophone array @ depth. (Interval will be determined on site)
10. Acquire VSP utilizing truck-mounted Vibroseis unit, located in the southern portion of the pad.
11. Monitor fracs in Rosa Unit #634A & 634B
12. Retrieve Pinnacle geophone array
13. TIH w/ work string and unload hole.

14. TIH and retrieve RBP

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.

15. TIH w/ production tubing and land @ +/- 7735'

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

16. Ensure tubing is not plugged prior to releasing the rig

17. N/D BOP's and N/U wellhead.

18. Return well to production.

19. R/D, move off location.