

RECEIVED

Form 3160-5  
(February 2005)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
JUN 25 2013

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<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other |   | 5. Lease Serial No.<br>NMSF-078767                       |
| 2. Name of Operator<br>WPX Energy Production, LLC  |   | 6. If Indian, Allottee or Tribe Name                     |
| 3a. Address<br>PO Box 640    Aztec, NM 87410   | 3b. Phone No. (include area code)<br>505-333-1806 | 7. If Unit of CA/Agreement, Name and/or No.<br>Rosa Unit |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>1850' FNL & 1720' FEL, SW/4 NE/4, sec 7, T31N, R5W     |   | 8. Well Name and No.<br>Rosa Unit #108                   |
|  |   | 9. API Well No.<br>30-039-23506                          |
|  |   | 10. Field and Pool or Exploratory Area<br>Dakota/Gallup  |
|  |   | 11. Country or Parish, State<br>Rio Arriba, NM           |

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 |
|  | <input type="checkbox"/> Change Plans         | <input checked="" 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 recomplate 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 recompletion 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.)

WPX plans to plug and abandon the Rosa #108 per the attached procedure. Approval to perform the attached procedure was given via email from Brandon Powel (NMOCD) and Jim Lovato (BLM) to Jamie Hall (WPX). In addition, a demand letter was issued (6/25/13) by the BLM to perform the approved P&A procedure regardless of final partner approval due to the well having H2S contamination.

RCVD JUN 28 '13  
OIL CONS. DIV.

|  |  |
|--|--|
| 14. I hereby certify that the foregoing is true and correct.<br>Name (Printed/Typed)<br>Ben Mitchell | DIST. 3<br>Title Regulatory Specialist |
| Signature <i>[Signature]</i>   | Date 6/25/2013                         |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

|   |        |                  |
|---|--------|------------------|
| Approved by<br><br>Original Signed: Stephen Mason   | Title  | Date JUN 27 2013 |
| 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  
BY

# WPX ENERGY

## **PLUG AND ABANDON** **ROSA UNIT #108** **RIO ARRIBA COUNTY, NEW MEXICO** **JUNE 2013**

### **WELLBORE STATUS:**

GALLUP & DAKOTA DUAL COMPLETION

TD 8188' & PBD 8010'

TOF CUT 2-3/8" TUBING @ 4060' WITH WIRELINE INSIDE @ ~4090' (~1900' LEFT IN TUBING),

2-3/8", 4.7#/FT, J-55 PRODUCTION TUBING LANDED AT 7903',

BAKER R-3 PACKER @ 7671',

4-1/2", 11.6#/FT, N-80 CASING SET FROM 8188' TO SURFACE.

**\*\*\*Ensure fuel used during job & estimate of vented gas is reported in daily reports\*\*\***  
**\*\*\*Continuous personal H2S monitoring is required. Any H2S alarms or other indications above 10ppm will require work to stop and the situation to be evaluated\*\*\***

**OBJECTIVE: Plug & abandon wellbore above TOF per BLM requirements.**

1. MIRU, kill, blow down to flow back tank.
2. ND WH & NU BOP's.
3. TIH w/ bit and scraper to prepare wellbore for plugs and logging.
4. TIH w/ workstring and establish pump rate, if possible to determine if cement can be pumped under a retainer to cover the fish.
5. Set cement retainer as close to TOF as possible @ ~4055'.
6. Schedule Antelope to record MIT on a Barton Chart using 350 psi surface pressure and verify that pressure drop is not greater than 10% over a 15 minute period.
7. Open all casing valves during the internal pressure tests and report a flow or pressure change immediately before, during, or immediately after the 15 minute pressure test.

- a. If pressure test passes, load hole, run CBL from retainer @ 4055' to surface. Submit log to BLM for final decision on inside/outside plugs vs. inside plugs only.
  - b. If pressure test fails, TIH w/RTBP pressure testing to determine location of casing failure (Cement plugs may be changed to ensure that proper repair of casing is completed). Run CBL from retainer @ 4055' to surface.
8. Spot cement plug #1 below CR @ 4055' to isolate the Dakota and Gallup perforations. Pump 345 sacks Class A cement + 100% excess at a rate of 3.6 bpm at 1250 psi or until it locks up in an effort to squeeze as much cement as possible into the perforations. Cover the CR with 150' + 50' excess (18 sacks Class A cement total).

**\*NOTE\* Assuming that good cement exists, inside casing plugs as specified will be pumped with 50' excess. If cement is not in place, the procedure will be changed to require perforating casing and spotting inside/outside plugs with 100% excess outside pipe and 50% excess inside pipe. For all cement volumes, Class A yield = 1.18cuft/sx.**

9. Set CIBP @ 3164' (PC Top @ 3114') and spot cement plug #2 with 50' excess inside casing (13.5 sacks Class A cement total) from 3164' – 3064' to cover Pictured Cliffs top.
10. Set CIBP @ 2852' (FC Top @ 2802') and spot cement plug #3 with 50' excess inside casing (13.5 sacks Class A cement total) from 2852' - 2752'.
11. Set CIBP @ 2516' (Kirtland Top @ 2466') and spot cement plug #4 with 50' excess inside casing (13.5 sacks Class A cement total) from 2516' – 2416'.
12. Set CIBP @ 2400' (Ojo Alamo Top @ 2350') and spot cement plug #5 with 50' excess inside casing (13.5 sacks Class A cement total) from 2400' – 2300'.
13. Set CIBP @ 1246' (Nacimiento Top @ 1196') and spot cement plug #6 with 50' excess inside casing (13.5 sacks Class A cement total) from 1246' – 1146'.
14. Set CIBP @ 479' and spot cement plug #7 with 50' excess inside casing (13.5 sacks Class A cement total) from 479' – 379' to cover bottom of surface casing.
15. Set CIBP @ 50' and spot cement plug #8 (4.5 sacks Class A cement total) to complete surface plug.

Plugs to be  
combined.

16. ND BOP and cut off wellhead below surface casing flange.
17. Install P&A marker with cement to comply with regulations.
18. RDMO and cut off anchors.
19. Restore location per stipulations.

### **PRIOR TO PRIMARY JOB**

- 1) Test rig anchors.
- 2) Verify location is OK for rig operations.
- 3) Schedule for Center Pointe Safety to be on location for H2S monitoring.
- 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 WPX ENERGY CONTRACTOR  
PROTOCOLS FOR THIS JOB PLAN**

Please see your WPX Energy Business Representative if you have any questions; Contractor protocols can be located in the  
WPX Energy 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 the WPX Energy Contractor Guide

1. Spot equipment, MIRU.
2. Blow down gas on well.
3. Set BPV's as necessary and pump into tubing string and backside to load well with water.

**Note:** Step 3 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).

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. TIH w/ bit and scraper to prepare wellbore for plugs and logging.
  7. TIH w/ workstring and establish pump rate, if possible to determine if cement can be pumped under a retainer to cover the fish.
  8. Set cement retainer as close to TOF as possible @ ~4055'.
  9. Schedule Antelope to record MIT on a Barton Chart using 350 psi surface pressure and verify that pressure drop is not greater than 10% over a 15 minute period.
  10. Open all casing valves during the internal pressure tests and report a flow or pressure change immediately before, during, or immediately after the 15 minute pressure test.
    - 10.1. If pressure test passes, load hole, run CBL from retainer @ 4055' to surface. Submit log to BLM for final decision on inside/outside plugs vs. inside plugs only.
    - 10.2. If pressure test fails, TIH w/RTBP pressure testing to determine location of casing failure (Cement plugs may be changed to ensure that proper repair of casing is completed). Run CBL from retainer @ 4055' to surface.
  11. Spot cement plug #1 below CR @ 4055' to isolate the Dakota and Gallup perforations. Pump 345 sacks Class A cement + 100% excess at a rate of 3.6 bpm at 1250 psi or until it locks up in an effort to squeeze as much cement as possible into the perforations. Cover the CR with 150' + 50' excess (18 sacks Class A cement total).
- \*NOTE\* Assuming that good cement exists, inside casing plugs as specified will be pumped with 50' excess. If cement is not in place, the procedure will be changed to require perforating casing and spotting inside/outside plugs with 100% excess outside pipe and 50% excess inside pipe. For all cement volumes, Class A yield = 1.18cuft/sx.**
12. Set CIBP @ 3164' (PC Top @ 3114') and spot cement plug #2 with 50' excess inside casing (13.5 sacks Class A cement total) from 3164' – 3064' to cover Pictured Cliffs top.
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  16. Set CIBP @ 1246' (Nacimiento Top @ 1196') and spot cement plug #6 with 50' excess inside casing (13.5 sacks Class A cement total) from 1246' – 1146'.
  17. Set CIBP @ 479' and spot cement plug #7 with 50' excess inside casing (13.5 sacks Class A

cement total) from 479' – 379' to cover bottom of surface casing.

18. Set CIBP @ 50' and spot cement plug #8 (4.5 sacks Class A cement total) to complete surface plug.
19. ND BOP and cut off wellhead below surface casing flange.
20. Install P&A marker with cement to comply with regulations.
21. RDMO and cut off anchors, turn over to production team for reclamation.

# ROSA UNIT #108 GALLUP/BASIN DK

Location: 1850' FNL, 1720' FEL  
SW/4 NE/4 Section 7G, T31N, R5W  
Rio Arriba Co., NM

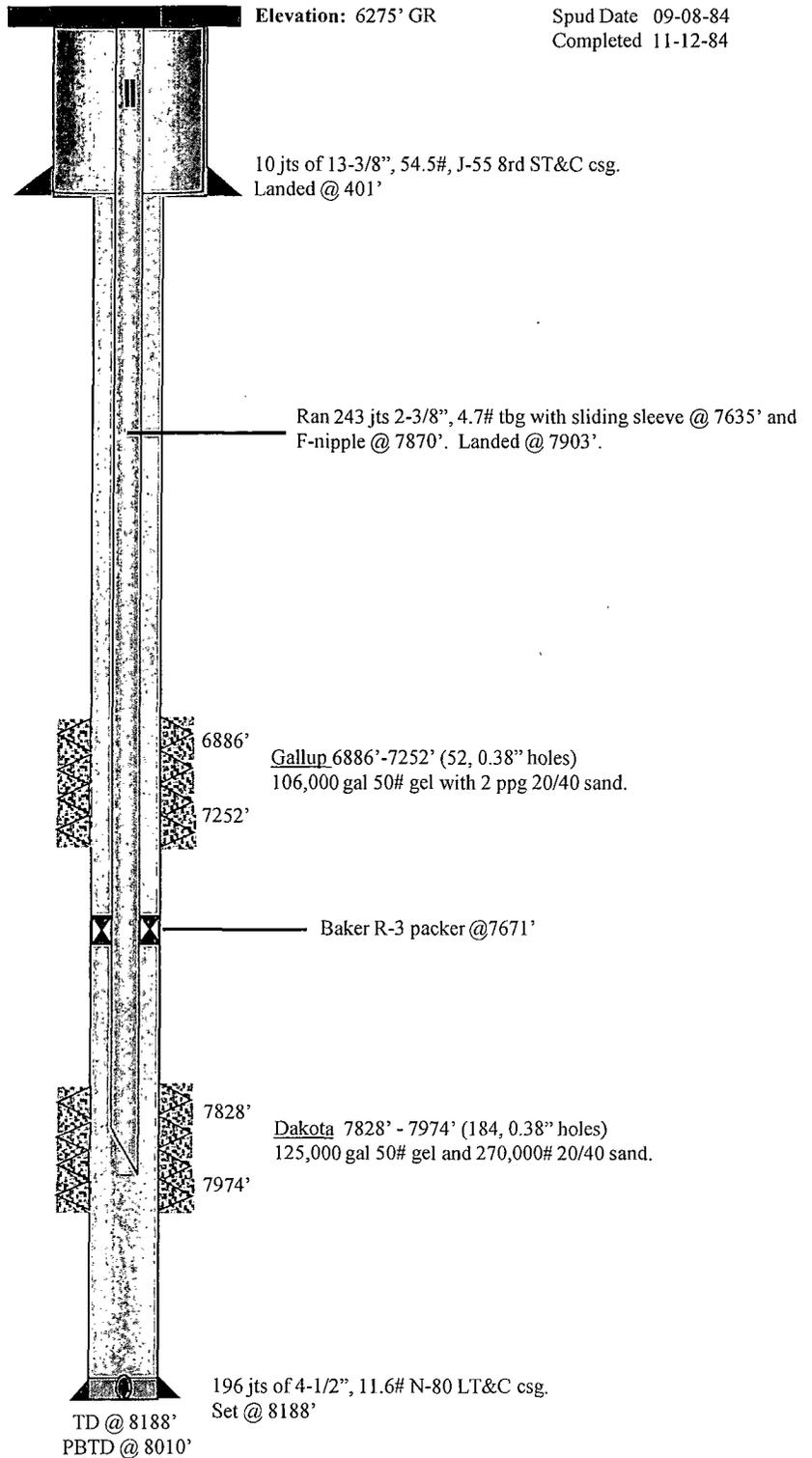
API # 30-039-23506

Elevation: 6275' GR

Spud Date 09-08-84  
Completed 11-12-84

Formation's Top Depth

|                 |       |
|-----------------|-------|
| Pictured Cliffs | 3114' |
| Lewis           | 3488' |
| Cliff House     | 5257' |
| Menefee         | 5416' |
| Point Lookout   | 5550' |
| Gallup          | 6240' |
| Dakota          | 7826' |



| HOLE SIZE | CASING  | CEMENT    | CMT TOP |
|-----------|---------|-----------|---------|
| 17-1/2"   | 13-3/8" | 438 c.f.  | Surface |
| 7-7/8"    | 4-1/2"  | 4301 c.f. | 5950'   |

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 108 Rosa Unit

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
  - a) Combine the Fruitland/Kirtland/Ojo Alamo plug from 2852' – 2300'.
  - b) You are required to have H2S monitoring equipment and personnel on location during plugging operations.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.