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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

2003 SEP -4 AM 9:39

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

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.*

5. Lease Serial No

NMSF 080244

6. If Indian, Allottee or tribe Name

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

NMNM 73113

8. Well Name and No.

RIDDLE A 2

API Well No.

30-045-11792

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

SAN JUAN, NM

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well



Oil Well



Gas Well



Other

2. Name of Operator

BP AMERICA PRODUCTION COMPANY

3a. Address

P.O. BOX 3092 HOUSTON, TX 77253-3092

3b. Phone No. (include area code)

281-366-4081

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC 18 T30N & R9W SESE 1120' FSL 860' FEL

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

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice



Acidize



Alter Casing



Casing Repair



Change Plans



Convert to Injection



Deepen



Fracture Treat



New Construction



Plug and Abandon



Plug Back

TYPE OF ACTION



Production (Start/Resume)



Reclamation



Recomplete



Water Disposal



Water shut-Off



Well Integrity



Other

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 recomplete 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

On 2/4/03 BP America requested permission to plug the Pictured Cliffs formation and recomplete into the FC. Permission was granted 2/18/03.

BP America Production Company respectfully requests permission to plug the Pictured Cliffs formation with a CIBP (no cement) & recomplete the subject well into the Basin Fruitland Coal as per the attached procedure.

If possible, please call Cherry Hlava (281-366-4081) or the engineer Dan Crosby (281-366-0769) with verbal approval prior to mailing hard copy approval.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/typed)

CHERRY HLAVA

Title REGULATORY ANALYST

Signature

*Cherry Hlava*

Date 9/3/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

SEP 08 2003

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.

NMOCD

## SJ Basin Well Work Procedure

**Well Name:** Riddle A #2  
**Date:** September 3, 2003  
**Repair Type:** Recompletion

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**Objective:** Plug Pictured Cliffs, recomplete to Fruitland Coal

1. Plug Pictured Cliffs
2. Perforate and fracture Fruitland Coal
3. Return well to production

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**Pertinent Information:**

Location:	T30N-R9W-Sec18	API #:	30-045-11792
County:	San Juan	FlacWell:	
State:	New Mexico	Engr:	Daniel Crosby
Horizon:	Pictured Cliffs/Fruitland Coal		ph (218) 366-0769
			fax (281) 366-0700

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**Procedure:**

Note: Fruitland Coal Perforations will be selected based on results of GR/CBL log.

1. Check anchors. MIRU workover rig.
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well. Kill with 2% KCL water ONLY if necessary.
4. Nipple down WH. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 500 psi.
5. TOH with 1-1/4" production tubing.
6. TIH with CIBP and set CIBP at 2900' kb. There will be no cement plug above CIBP because the bottom of the Fruitland Coal is approximately 10' above the top of the Pictured Cliffs at 2906'.
7. RU WL unit. RIH with GR/CBL log from 126' – 2850 to evaluate cement across Fruitland Coal and to select perforations. Fax log to Dan Crosby at (281) 366-7099. RD WL unit.
8. Pressure test casing to 2000 psi.

Contingency: If cement behind 3-1/2" casing is not adequate to isolate the Fruitland Coal, perform squeeze job as per Schlumberger design.

9. RU WL. RIH with 2" casing guns. Perforate Fruitland Coal formation (correlate to log).

Fruitland Coal Perforations, 4 spf ( shots/ holes)  
*To be determined*

11. RU frac equipment and install wellhead isolation tool.
12. Establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures  $\leq 3000$  psi during frac job to stay within 80% of the 3-1/2" casing burst rating.
18. Flowback frac immediately.
19. TIH with tubing and bit. Cleanout fill to CIBP at 2900'. Blow well dry.
20. PU replacement string of 2-1/16" tubing. Rabbit tubing and RIH with 2-1/16" production tubing (with a muleshoe, X-nipple with plug, and F-nipple).
21. Land 2-1/16" production tubing at depth to be determined after logging.
23. RU SL unit. Run gauge ring for 2-1/16" tubing. Pull plug. RD slickline unit.
24. ND BOP's. NU WH. RDMO.
25. Set beam pumping unit and compressor.
26. MIRU well servicing rig. Rod up well.
27. Return well to production.