

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.
NMSF078319A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.7. If Unit or CA/Agreement, Name and/or No.
NMNM73213

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
RIDDLE C 2

2. Name of Operator

BP AMERICA PRODUCTION CO

Contact:

MARY CORLEY

E-Mail: corleyml@bp.com

9. API Well No.

30-045-10372-00-S1

3a. Address

P. O. BOX 3092
HOUSTON, TX 77253

3b. Phone No. (include area code)

Ph: 281.366.4491
Fx: 281.366.070010. Field and Pool, or Exploratory
BLANCO MESAVERDE

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

Sec 30 T31N R9W NENE 0990FNL 0990FEL
36.87390 N Lat, 107.81525 W Lon

11. County or Parish, and State

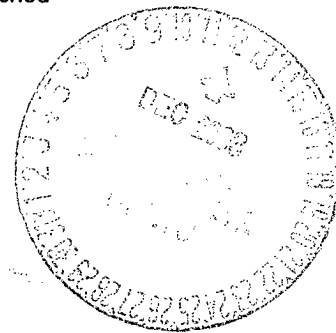
SAN JUAN COUNTY, NM

12. CHECK 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 Workover Operations
	<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 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 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.)

BP request permission repair the Bradenhead and then frac the Menefee formation as per the attached procedure.

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

14. Thereby certify that the foregoing is true and correct.

Electronic Submission #24066 verified by the BLM Well Information System

For BP AMERICA PRODUCTION CO, sent to the Farmington

Committed to AFMSS for processing by MATTHEW HALBERT on 12/08/2003 (04MXH1275SE)

Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 10/08/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Riddle C LS 2
API # 30-045-10372
Repair Bradenhead/Frac Menefee

Procedure:

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. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.
5. RU slickline unit or wireline unit. RIH and set plugs (CIBP, tbg collar stop, or plug set in nipple) for isolation.
6. Tally OH with 2-3/8" tubing string set at 5723'. Visually inspect tbg while POOH.

Contingency: *If the tubing is in poor condition, replace entire tubing string.*

7. TIH with bit and scraper for 4-1/2" casing to PBTD at 5745'.
8. Set CIBP at 3200'.
9. Bleed production casing to zero while monitoring intermediate casing.
10. If intermediate casing bleeds down with production casing:
 - a. Run retrievable packer on pipe to determine if leak is in the tree.
 - b. If leak is in the tree, repair as necessary.
11. If leak is not in the tree:
 - a. Back off 4 1/2" casing at depth about 3000'. Run CBL if necessary.
 - b. RIH with 7" casing scraper to top of 4 1/2" casing.
 - c. Set 7" retrievable bridge plug or CIBP at top of 4 1/2" casing.
 - d. RU Schlumberger and run CBL/VDL/GR/CCL from 2000' to surface.
 - e. PU perforating guns. Perforations depth will be determined later after having the CBL result.
 - f. Attempt to circulate or establish injection rate.
 - g. Mix and pump cement as per Schlumberger design. If possible, circulate cement to surface. WOC.
 - h. Clean out cement to top of bridge plug. Test casing to 500 psi.
 - i. Clean out or pull bridge plug.

- j. Run 4-1/2" casing with DV tool and screw in to the top of 4 1/2" casing in the hole.
 - k. Mix and pump cement as per Schlumberger design. Circulate cement to surface. WOC
 - l. Install tubing spool.
 - m. RIH and clean out cement to top of CIBP at 3200'.
12. Test casing to 500 psi.
 13. Clean out to PBTD at 5745'.
 12. Set CIBP at 5410'.
 13. RIH with 3-1/8" select-fire perforating guns. Perforate Menefee formation w/ 2 SPF at: 5154, 5162, 5168, 5180, 5228, 5260, 5266, 5301, 5311, 5315, 5353, 5369, 5382, 5395' (correlate to GR log).
 14. RIH with 2-7/8" frac string and 4-1/2" packer. Set packer at 5100'.
 15. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures ≤ 5500 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.
 16. Flowback frac immediately.
 17. Release packer and TOH with frac string and packer. LD frac string.
 18. TIH with tubing and bit. Cleanout fill and drill bridge plug set at 5410'. C/O to PBTD at 5745'. Blow well dry at PBTD.
 19. Rabbit tubing and RIH with 2-3/8" production tubing (with a muleshoe and X-nipple with blanking plug). Fill tubing with KCL water while RIH.
 20. Land 2-3/8" production tubing at 5675'.
 21. Pressure test tubing to 500 psi with rig pumps.
 22. Swab down tubing with sandline.
 23. RU SL unit. Run gauge ring for 2-3/8" tubing. Pull plug and set tubing stop for plunger. RD slickline unit.
 24. ND BOP's. NU WH. Test well for air. Return well to production.

Riddle C LS 2

Sec 30, T31N, R9W

API #: 30-04510372

GL: 6364'

History:

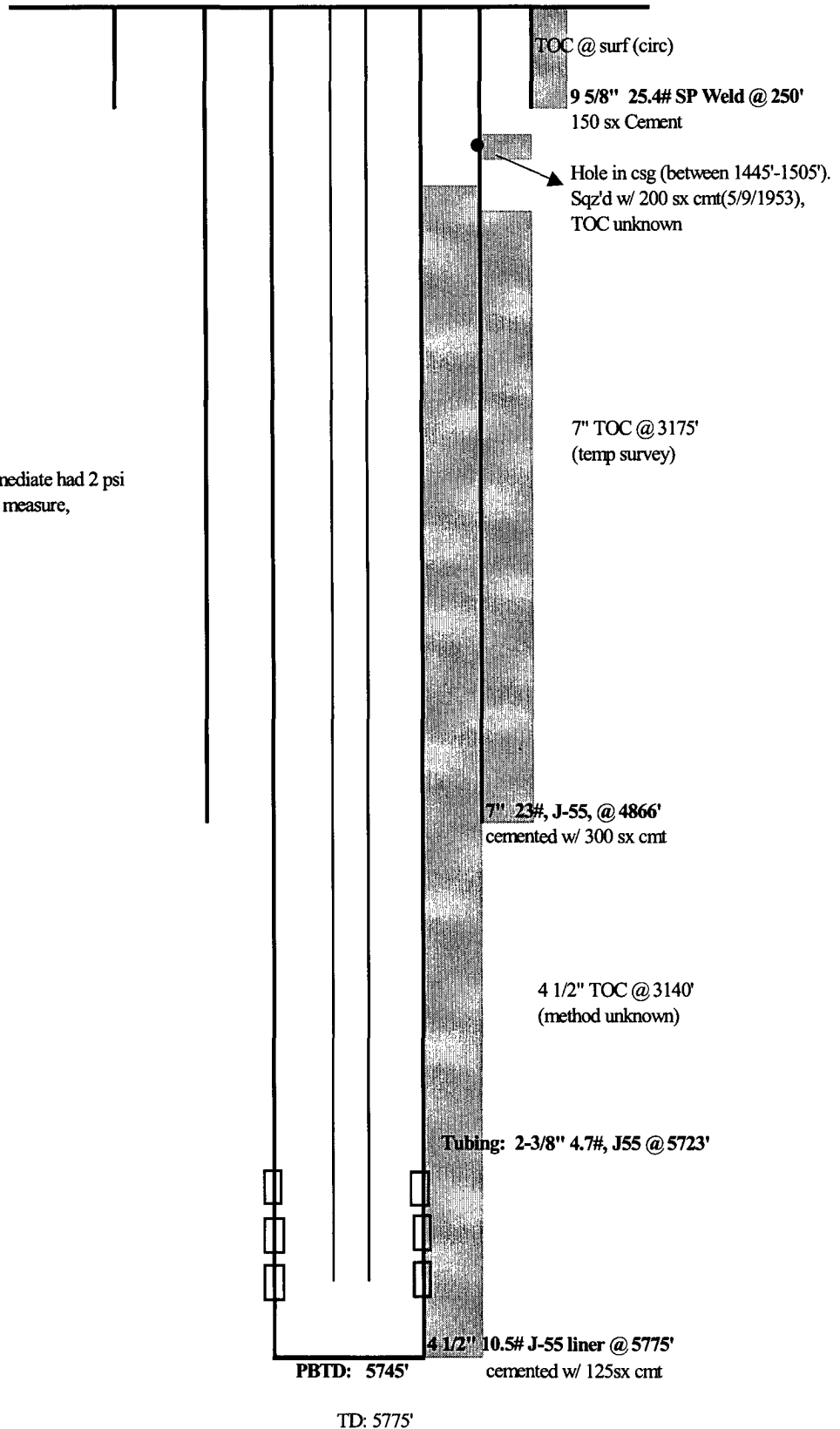
- Drilled & completed as OH in 5/15/1953
- Ran 4 1/2" casing in 1966

Bradenhead History:

- Jan 1996, BH had no pressure and intermediate had 2 psi
- June 1999, BH pressure was too small to measure, puff gas when opened.

MV perforations

- 4920' - 5047', frac'd with 23 klbs sand
- 5437' - 5525', frac'd with 36 klbs sand
- 5574' - 5731', frac'd with 19 klbs sand



updated: 09/19/02 az