

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

| | | |
|--|---|--|
| 1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 8. Well Name and No. RIDDLE 2A |
| 2. Name of Operator AMOCO PRODUCTION COMPANY | | 9. API Well No. 30-045-22148 |
| 3a. Address P.O. BOX 3092 HOUSTON, TX 77253 | 3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700 | 10. Field and Pool, or Exploratory BLANCO MESAVERDE |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T30N R9W Mer NWSE 1450FSL 1450FEL | | 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"/> WRK |
| | <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 shall 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 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.)

Amoco Production Company request permission to add additional pay in the subject well by perforating and fracing the Lewis Shale formation within the Mesaverde Pool as per the attached procedure.

| | |
|--|---------------------------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #6074 verified by the BLM Well Information System For AMOCO PRODUCTION COMPANY, sent to the Farmington Committed to AFMSS for processing by Lucy Bee on 08/06/2001 () | |
| Name (Printed/Typed) MARY CORLEY | Title AUTHORIZED REPRESENTATIVE |
| Signature | Date 07/31/2001 |



THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|--------|------|
| Approved By <u>/s/ Jim Lovato</u> | 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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

NMOCD

Riddle #2A Well Work Procedure

API #: 30-045-22148

Sec 17, T30N, R09W

1. Check anchors. MIRU workover rig.
2. Kill well if necessary. Nipple down WH. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 500 psi.
3. Tag for fill and tally OH with 2-3/8" production tubing. Visually inspect tbg while POOH.
4. TIH with bit and scraper for 4-1/2" casing to 5290'.
5. TIH with tubing-set CIBP. Set CIBP at 4380'. Load hole with 2% KCL.
6. Pressure test casing to 2500 psi
7. Swab fluid column in casing to 4200' with the sandline.
8. RIH with 3-1/8" 2 SPF 180 deg phasing casing guns with Schlumberger's Prospector, select-fire charge. Perforate Lewis formation (correlate to GR log).
9. Breakdown the perforations with acetic acid.
10. RU frac equipment and install wellhead isolation tool. Use 2% KCL-N2 foam in fracture stimulation.
11. Frac the Lewis shale according to pump schedule.
12. Flowback frac fluid immediately.
13. TIH with tubing and bit. Clean out fill and drill bridge plugs set at 4380'. Clean out fill to PBTD. Blow well dry at PBTD.
14. RIH with 2-3/8" production tubing. Fill tubing with 2% KCL and periodically pressure test to 500 psi with rig pumps while RIH.
15. Land 2-3/8" production tubing at 5275'.
16. Swab water from the tubing with the sandline.
17. ND BOP's. NU WH. Test well for air. Return well to production.

RIDDLE #2A

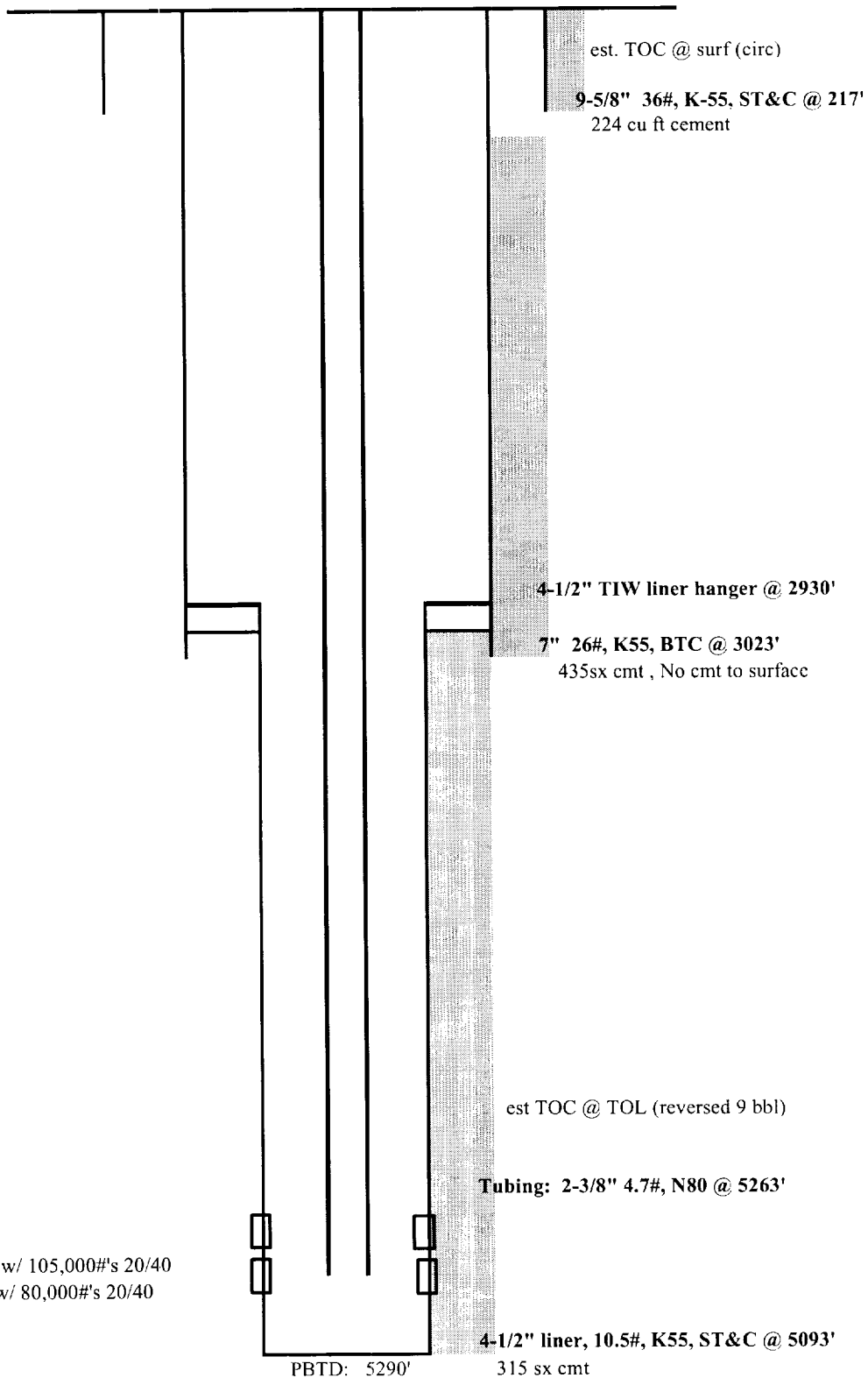
Sec 17, T30N, R9W

API #: 30-045-22148

GL: 6160'

History:

Completed in Nov. 1976



updated: 6/15/01 az