Form 3160-5
(June 1990)

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
# BUREAU OF LAND MANAGEMENT
# SUNDRY NOTICES AND REPORT ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" - for such proposals.

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
SF-078509-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

1. Type of Well
[ ] Oil Well [X] Gas Well [ ] Other

8. Well Name and No.
Tank Mountain B 1

2. Name of Operator
Amoco Production Company

Attention:
Patty Haefele

9. API Well No.
3004528226

3. Address and Telephone No.
P.O. Box 800, Denver, Colorado 80201
(303) 830-4988

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1680' FNL & 1190' FEL Section 29 T32N R9W Unit H

11. County or Parish, State
San Juan, New Mexico

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

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|---|
| [X] Notice of Intent | [ ] Abandonment | [ ] Change of Plans |
| [ ] Subsequent Report | [ ] Recompletion | [ ] New Construction |
| [ ] Final Abandonment Notice | [ ] Plugging Back | [ ] Non-Routine Fracturing |
| | [ ] Casing Repair | [ ] Water Shut-off |
| | [ ] Altering Casing | [ ] Conversion to Injection |
| | [X] Other Clean out | [ ] Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Comany requests permission to clean out this plug back well per the attached procedure.

RECEIVED
BLM
96 OCT 17 AM 10: 49
070 FARMINGTON, NM

RECEIVED
OCT 23 1996
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed Patty Haefele Title Staff Assistant Date 10/16/96

(This space for Federal or State office use)

Approved by _____ Title _____ Date APPROVED

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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 statement or representations as to any matter within its jurisdiction..

OCT 17 1996

* See Instructions on Reverse Side

Chip Harrada
for DISTRICT MANAGER

NMOCD

# SJOET Well Work Procedure

Put into CRW & OARS 10-11-96

**Tank Mountain** **B 1**
**Version:** #1
**Date:** October 11, 1996
**Budget:** Well Repair
**Work Type:** **Run and perf liner**

**Objectives:**
1. Clean out fill; Run and perf 4 1/2" liner
2. Re-run 2 3/8" tubing and rods and pump
3. Return well to production

**Pertinent Information:**

| | | | |
|---|---|---|---|
| Location: | 1680'FNLx1190'FEL;Sect 29H-T32N-R9W | Horizon: | FT |
| County: | San Juan | API #: | 30-045-28226 |
| State: | New Mexico | Engr: | Kutas |
| Lease: | Fed: SF-078509A | Phone: | H--(303)840-3700 |
| Well Flac: | 70513101 | | W-(303)830-5159 |
| | | | P--(303)553-6334 |

**Economic Information:**

| | | | |
|---|---|---|---|
| APC WI: | 25% | Prod. Before Repair: | 0 MCFD |
| Estimated Cost: | $95,000 | Anticipated Prod.: | 300 MCFD |
| Payout: | 7 Month | | |
| Max Cost -12 Mo. P.O. | $169M | | |
| PV15: | | | |
| Max Cost PV15: | | | |

**Note:** **Economics will be run on all projects that have a payout exceeding ONE year.**

**Formation Tops:** (Estimated formation tops)

| | | | |
|---|---|---|---|
| Nacimento: | | Mesaverde: | |
| Ojo Alamo: | | Point Lookout: | |
| Kirtland Shale: | | Mancos Shale: | |
| Fruitland: | 3175'-TD | Gallup: | |
| Pictured Cliffs: | | Graneros: | |
| Cliff House: | | Dakota: | |
| | | Morrison: | |

**Bradenhead Test Information:**
**Test Date:** 3-4/96 **Tubing:** 1200 psi **Casing:** 1600 psi **BH:** 0 psi

| Time | BH | CSG | INT | CSG |
|---|---|---|---|---|
| 5 min | | | | |
| 10 min | | | | |
| 15 min | | | | |

Comments:

**Tank Mountain B 1:**
Well was shut in late 1994 due to high water disposal costs. The well last produced at 150-200 MCFD and 80 BWPD on poor-boy gas lift. Wells in the vicinity of this well have recently greatly benefited from lower line pressure and appear to be producing at quickly inclining gas rates and declining water rates. Previously, produced water was hauled to the Pritchard SWD. BVD is currently making arrangements to dispose of coal water through MCI's 32-9 Unit SWD. Attempts to return this well to production in April failed due to fill influx into the tubing and 7" casing.

Current wellbore info: 7" CSA 3284', OH at 3284-3558', 2 3/8" TSA 2509', **Fill at 2986'**
Current flow info: SITP/CP=1300/1300 psi

General observations: 1. Surrounding wells with similar production profiles are now becoming viable producers
2. Close proximity to the Isabel A 1
3. Production is limited by high LP

Short term plans: 1. C/O fill; Run and perf liner
2. Test well with beam lift and compressor
3. Obtain access to MCI's 32-9 Unit SWD for RTP test

1. MIRURT--for this initial attempt, a drilling rig is recommended because of its greater versatility and capability
2. ND tree, rig up BOP's w/cavitation capability. Test BOE. TOH w/2.375" tubing laying it down.
3. Pick up 4.750" drill collars and 3.500" drill pipe with 6.250" bit and clean out fill from 2,986' to total depth (3,558') using air and foam. Stabilize hole as quickly as possible to allow running liner (after reaching TD, trip out to casing shoe and wait for 4-6 hours and check to determine amount of fill and how difficult it is to clean up.
4. Run a blank 4.500" flush joint liner (Hydril 511) from TD back to approx. 3,100'. Install a tri-cone bit on bottom with a float immediately above bit and a Baker Model SLR-P Liner Hanger Packer. Strip in hole and drill to bottom with power swivel if necessary. Hang liner, lay down drill pipe. RDxMODU
5. RU HES, TIH and Perforate as follows:

| COAL ZONES | | PERFORATIONS | | |
|---|---|---|---|---|
| Ignacio | 3,308 to 3 310 | 3,308 to 3,342 | 4 jspf | 136 holes |
| Cottnwood#1 | 3,318 to 3 322 | | | |
| Cottnwood#2 | 3,337 to 3 342 | | | |
| Cahn #1 | 3,511 to 3.524 | 3,511 to 3,539 | 4 jspf | 112holes |
| Cahn #2 | 3,528 to 3.539 | | | |
| | | **Total** | | **248 holes** |

6. MIRU service; Pick up and run 2 3/8" as follows: 1) 2 3/8" purge valve
2) One Jt 2 3/8" TBG
3) 2 3/8" x 4' perf sub
4) 2 3/8 std. pump SN with retrievable plug in place

Land bottom of TBG at approximately 3540'. Pull retrievable plung.
7. Run rods and pump, set pump in SN; load TBG and pressure test pump
8. RDMOSU and turn well over to production, Note: bring well on slowly, beginning with a slow SPM

Dependent on speed of hole stabilization, I estimate this procedure to require approximately 5 days and to cost approximately $95,000 (see attached AFE form).