

(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS 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

5. Lease Designation and Serial No.

SF-078415

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Roelofs A

#3

9. API Well No.

3004508581

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

SAN JUAN

NEW MEXICO

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Mary Corley

3. Address and Telephone No.

P.O. BOX 3092 Houston, TX 77253

281-366-4491

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

990' FNL

990' FEL

Sec. 9

T

29N

R

8W

UNIT A

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Amend procedure to Perf

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ 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 markers and zones pertinent to this work.)\*

subsurface locations and measured and true vertical depths for all

Amoco Production Company requests permission amend procedure previously submitted on 12/17/98 and approved by your office on 1/12/99 to perf and frac this well. Please note that the changes in procedure begin with item 7 on page 2 of 2 of the attached procedures.

For technical questions please contact Dean Tinsley at (303) 830-6111. For administrative questions please contact Mary Corley.

RECEIVED  
MAR - 1 1999  
OIL CON. DIV.  
BKT 3

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

Signed

Title

Sr. Business Analyst

Date

02-22-1999

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

/s/ Duane W. Spencer

Title

Team Lead, Petroleum Management

Date

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 statements or representations as to any matter within its jurisdiction.

\* See Instructions on Reverse Side

NMCCD

# SJOET Well Work Procedure

**Roeloffs A #3**

**Pack 9**

**Version:**

Final (revised)

**Date:**

1/4/99

**Budget:**

Payadd/Repair

**Repair Type:**

Repair

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## Objectives:

1. Isolate upper PLO and Menefee pay
2. Frac upper PLO and Menefee pay
3. Return Well to Production

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## Pertinent Information:

Location: 9A-29N-08W

Horizon: Mesa Verde

County: San Juan

API #: 30-045-08581

State: New Mexico

Engr: Dean Tinsley

Lease: SF-078415

Phone: H--(303)426-5889

Well Flac: 978650 - Lease Flac: 699065

W-(303)830-6141

SAP#: X4-0018K - OARS#: 44561

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## Economic Information:

APC WI: 50%

MV BWO: 80 MCFD

Estimated Cost: \$ 150,000

MV AWO: 255 MCFD

Payout: Years

Max Cost -12 Mo. P.O. \$

PV15: \$ M

Max Cost PV15: \$ M

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

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## Formation Tops: (Estimated formation tops)

Nacimiento:

Menefee: 4838

Ojo Alamo: 1995

Point Lookout: 5229

Kirtland Shale: 2167

Mancos Shale:

Fruitland: 2738

Gallup:

Pictured Cliffs: 3087

Graneros:

Lewis Shale: 3190

Dakota:

Cliff House: 4680

Morrison:

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## Bradenhead Test Information:

**Test Date:** 7/10/96 **Tubing:** 210 **Casing:** 215 **BH:** 0

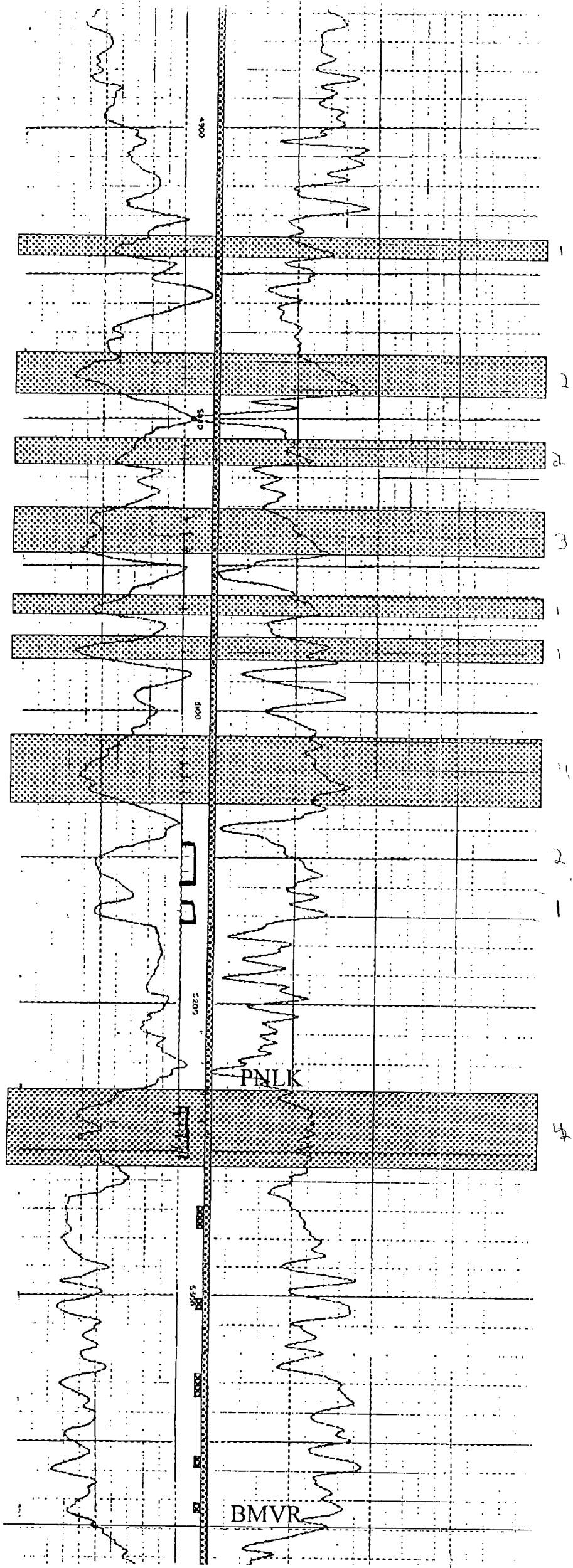
| Time   | BH | CSG | INT | CSG |
|--------|----|-----|-----|-----|
| 5 min  |    |     |     |     |
| 10 min |    |     |     |     |
| 15 min |    |     |     |     |

Comments:

1. Check anchors. MIRUSU.
2. Check and record tubing, casing and bradenhead pressures.
3. Blow down wellhead, kill if necessary.
4. Nipple down wellhead, nipple up and pressure test BOP.
5. Tag and Tally OH with 2.375" tubing (currently set at 5351'). TIH with Bit X Scraper to PBTD.
6. RU DS Wireline Unit and Packoff.
7. TIH with composite BP. Set at 5260'.
8. Log Mesa Verde (Upper PLO and MF) interval (approx. 5260'-4700') with CBL/GR/CCL to ensure zonal isolation across MV (Upper PLO and MF). Please fax logs to (303) 830-5388.
9. Perforate the following intervals at 120 deg. phasing using 3 1/8" HSC ported guns (12.5 GM, .34" EHD. 13.13 TTP, Select Fire). Correlate with attached Gamma/Induction Log:  
  
Upper PLO: 5249, 5244, 5237  
  
MF: 5168, 5154, 5150, 5129, 5123, 5119, 5113, 5079, 5066, 5046, 5040, 5033, 5014, 5010, 4982, 4987, 4942
10. TIH with tapered frac string (2 3/8" tubing across Cliffhouse, 2 7/8" to surface) X Packer. Pressure test BP. Set packer @ +/-4890'.
11. Break down and balloff perfs with 1.5 X's excess; 1.1 SG RCN balls.
12. TOOH with tbg x pkr.
13. Retrieve balls with WL junk basket. TIH x set packer @ +/-4890'.
14. Fracture Stimulate Upper PLO/MF down tubing according to schedule 'A'.
15. Flow back immediately, untill well logs off.
16. TOH with Frac String.
17. DO BP; CO to PBTD
18. TIH with 2 3/8" land at +/-5350'.
19. Return well to production; alter criteria and run plunger (if necessary).

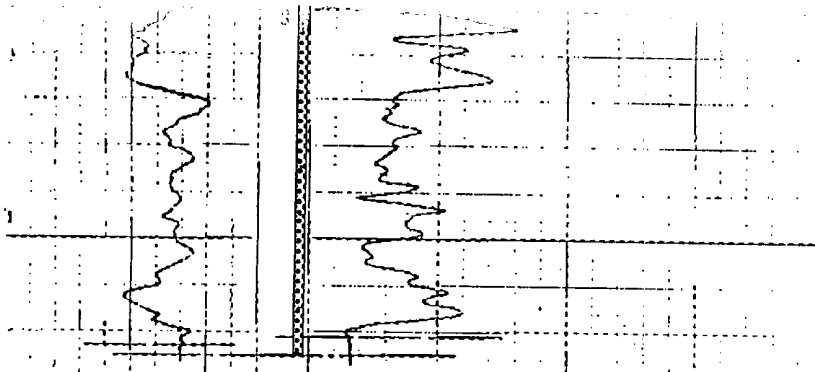
## Form 22-5 (Rev. 2-62)

|                                                      |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
|------------------------------------------------------|-----------------------|-------------------------|----------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Well<br>Roelofs "A" #3 (OWWO)                        |                       | Land Office<br>Santa Fe |                | Lease Number<br>078415                                                        |                                                                                                                                                                                                                                                        |
| Location<br>990' N, 990' E, Section 9, T-29-N, R-8-W |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
|                                                      |                       |                         |                | County<br>San Juan                                                            | State<br>New Mexico                                                                                                                                                                                                                                    |
| Formation<br>Mesa Verde                              |                       |                         |                | Field<br>Blanco Mesa Verde                                                    |                                                                                                                                                                                                                                                        |
| POTENTIAL                                            | Old Test <sup>1</sup> | New Test <sup>2</sup>   | FORMATIONS     | TOPS                                                                          | SCHMATIC<br>£                                                                                                                                                                                                                                          |
| Formation                                            | Mesa Verde            | Mesa Verde              | Ojo Alamo      | 1995                                                                          | <p>9 5/8" @ 173'</p> <p>7" @ 4653'</p> <p>4696-4704'</p> <p>4718-26'</p> <p>4793-4801'</p> <p>4816-20'</p> <p>4832-36'</p> <p>5270-78'</p> <p>5302-06'</p> <p>5328-36'</p> <p>2 3/8" @ 5351'</p> <p>5356-60'</p> <p>5372-76'</p> <p>4 1/2" @ 5418'</p> |
| Test Date                                            | 1-21-53               | 11-9-65                 | Kirtland       | 2167                                                                          |                                                                                                                                                                                                                                                        |
| AOF                                                  |                       | 8,339                   | Fruitland      | 2738                                                                          |                                                                                                                                                                                                                                                        |
| Ck. Vol.                                             | 5,618                 | 3,509                   | Pictured Cliff | 3087                                                                          |                                                                                                                                                                                                                                                        |
| BOPD                                                 |                       |                         | Lewis          | 3190                                                                          |                                                                                                                                                                                                                                                        |
| GOR                                                  |                       |                         | Cliff House    | 4680                                                                          |                                                                                                                                                                                                                                                        |
| SIPT                                                 | 1030                  | 529                     | Menefee        | 4860                                                                          |                                                                                                                                                                                                                                                        |
| SIPC                                                 | 1043                  | 852                     | Point Lookout  | 5229                                                                          |                                                                                                                                                                                                                                                        |
| IBHP                                                 |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
| Elev.<br>6391' GL                                    |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
| Spud Date<br>11-28-52; W/O 10-20-65                  |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
| Completion Date<br>1-10-53; W/O 11-1-65              |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
| Logs and Surveys<br>ES, GRI, G-Cor, Temp. Survey     |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
|                                                      |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
|                                                      |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
|                                                      |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
| STIMULATION FORMATION                                | TYPE                  |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
| Mesa Verde                                           | Perf & SW/frac        |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
|                                                      |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
|                                                      |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
|                                                      |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
|                                                      |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
| DRILLING CONTRACTORS                                 |                       |                         |                |                                                                               |                                                                                                                                                                                                                                                        |
| Strawn Drilling Company                              |                       |                         | DST No.        | Show csg., cmt. top, tbg., pkrs., plugs, depth, perms., seating nipples, etc. |                                                                                                                                                                                                                                                        |
| Dwinell Bros.                                        |                       |                         | Cores No.      |                                                                               |                                                                                                                                                                                                                                                        |



Part 100

5237  
4.  
19



RADIOACTIVITY INCREASES

10 125 20 50 100 10

RADIOACTIVITY INCREASES

10 125 20 50 100 10