

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

| | | |
|--|--|--|
| 1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Designation and Serial No. SF 078807-A |
| 2. Name of Operator AMOCO PRODUCTION COMPANY | | 6. If Indian, Allottee or Tribe Name |
| 3. Address and Telephone No. P.O. BOX 800 DENVER, COLORADO 80201 | | 7. If Unit or CA, Agreement Designation |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 790 FNL 790 FEL Sec. 14 T 28N R 13W UNIT A | | 8. Well Name and No. GALLEGOS CANYON UNIT 234 |
| | | 9. API Well No. 3004511714 |
| | | 10. Field and Pool, or Exploratory Area West Kutz Pictured Cliffs Gas Pool |
| | | 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 |
| <input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other RECOMPLETION <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> 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 COMPANY REQUESTS PERMISSION TO PERMANENTLY PLUG AND ABANDON THE BASIN DAKOTA AND TO RECOMPLETE THE ABOVE WELL TO THE PICTURED CLIFFS ACCORDING TO THE ATTACHED PROCEDURES.

FOR TECHNICAL INFORMATION CONTACT MARK YAMASAKI 303-830-5841

RECEIVED
JUN - 9 1997

OIL COAL AND
DIST. B

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECEIVED
MAY 14 1997
97 APR 18 PM 1:38
070 FARMINGTON, NM

| | | | |
|---|--------------------------|-------|-----------------|
| 14. I hereby certify that the foregoing is true and correct | | | |
| Signed | <i>Nancy I. Whitaker</i> | Title | Staff Assistant |
| | | Date | 04-15-1997 |

(This space for Federal or State office use)

| | | | | | |
|---------------------------------|--|-------|--|------|-------------|
| Approved by | | Title | | Date | MAY 29 1997 |
| 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 statements or representations as to any matter within its jurisdiction.

* See Instructions on Reverse Side

AMOCO

SJOET Well Work Procedure

GCU #234

Version: Final
Date: 4/10/97
Budget: Major Cash/Recompletion
Repair Type: Recompletion

Objectives: Stimulate Pictured Cliffs

1. Isolate Dakota
2. Stimulate PC
3. Test PC
4. Put on Production.

Pertinent Information:

| | | | |
|------------|----------------------|----------|------------------|
| Location: | 14 - 28N - 13W NE | Horizon: | Pictured Cliffs |
| County: | San Juan | API #: | 30-045-11714 |
| State: | New Mexico | Engr: | Yamasaki |
| Lease: | Federal; SF 078807-A | Phone: | H--(303)202-0361 |
| Well Flac: | 985719 | | W-(303)830-5841 |
| | | | P--(303)553-6437 |

Economic Information:

| | | | |
|-----------------------|------------|--------------------|----------|
| APC WI: | 51.8% | PC Anticipated IP: | 250 MCFD |
| Estimated Cost: | \$ 90,000 | | |
| Payout: | 2.65 Years | | |
| Max Cost -12 Mo. P.O. | \$ | | |
| PV15: | \$ 10 M | | |
| Max Cost PV15: | \$ 100 M | | |

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

Formation Tops: (Estimated formation tops)

| | | | |
|------------------|------|----------------|------|
| Nacimiento: | | Menefee: | |
| Ojo Alamo: | | Point Lookout: | |
| Kirtland Shale: | | Mancos Shale: | 4150 |
| Fruitland: | 1114 | Gallup: | 5070 |
| Pictured Cliffs: | 1325 | Graneros: | 5875 |
| Lewis Shale: | 1590 | Dakota: | 5980 |
| Cliff House: | 2960 | Morrison: | |

Bradenhead Test Information:

| Test Date: | Tubing: | Casing: | BH: | |
|------------|---------|---------|-----|-----|
| 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. TOH with 2.375" tubing.
6. Set CIBP at 5850'.
7. Spot Cement plug to 5700'.
8. Set CIBP at 2300'. Spot Cement plug to 2100' Note: New PBTD will be 2100'.
8. Load Hole with 2% KCL. RU Wireline Unit with Packoff.
9. Log with CBL/CNL/GR/CCL to insure zonal isolation across Pictured Cliffs. Pressure test casing to 2000#.
10. Perforate the following interval 120 deg. phasing using 3 1/8" HSC ported guns (12.5 GM, .34" EHD, 13.13 TTP, 4 SPF). Correlate with Welex Induction log ran at completion:
1385-1409
11. Fracture Stimulate down casing with approximately 50 Mlbs, 70 Qal foam.
12. Shut in well for 2 hours. Flow back untill well logs off.
13. Flow test well reporting Gas and Water to Denver
14. TIH with 2 3/8" land at bottom of perforations.
15. Flow well back, a rod pump may be needed.
16. Put well on production and make money.

GL - 5647
KB - 5659

8-5/8" 24# CSA 340' x 225 sk

DV SA 4154 x 1584

2-3/8" TSA ~~5974~~
6099

5986-6081

PBD - 6145
TD - 6183

4-1/2" 10.5# CSA 6183

Amoco Production Company

Gallegos Canyon Unit #234

SCALE:

ORG.
NO.

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

311 South First., Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

RECEIVED
PLM

97 APR 18 PM 1:38

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|--------------------------|---|---|
| API Number 3004511714 | Pool Code 79680 | Pool Name 070 FARMINGTON, NM WEST KUTZ PICTURED CLIFFS GAS POOL |
| Property Code | Property Name GALLEGOS CANYON UNIT | Well Number # 234 |
| OGRID No. 000778 | Operator Name AMOCO PRODUCTION COMPANY | Elevation 6183 |

Surface Location

| UL or lot no. | Section | Township | Range | Lot. Idn | Feet from the | North/South Line | Feet from the | East/West Line | County |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|----------|
| UNIT A | 14 | 28N | 13W | | 790 | NORTH | 790 | EAST | San Juan |

Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot. Idn | Feet from the | North/South Line | Feet from the | East/West Line | County |
|---------------------------|-----------------|--------------------|-----------|----------|---------------|------------------|---------------|----------------|----------|
| | | | | | | | | | San Juan |
| Dedicated Acreage: 160 | Joint or Infill | Consolidation Code | Order No. | | | | | | |

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

| | | |
|--|--|--|
| | OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature: <i>Nancy I. Whitaker</i> Printed Name: Nancy I. Whitaker Position: Staff Assistant Date: 04/15/1997 | |
| | SURVEY CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date of Survey: 03/07/1966 Signature & Seal of Professional Surveyor: ERNEST V. ECHOHAWK Certificate No.: 3602 | |
| | | |
| | | |



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington District Office
1235 La Plata Highway
Farmington, New Mexico 87401

IN REPLY REFER TO:

**Attachment to Notice of
Intention to Workover**

**Re: Plug Back
Well: 234 Gallegos Canyon Unit**

CONDITIONS OF APPROVAL

1. Set the CIBP between 5936' to 5886' (within 50' to 100' of the top perforation), spot a minimum of 50' of cement on top of the CIBP.
2. Place a Gallup cement plug from 5119' to 5019' inside the casing plus 50 linear feet excess cement. (top of Gallup @ 5069', 12 sxs)
3. Place a Mesaverde cement plug from 3010' to 2910' inside the casing plus 50 linear feet excess cement. (top of Mesaverde @ 2960', 12 sxs)
4. **Mike Flaniken** with the Farmington District Office is to be notified at least 24 hours before the workover operations commence (505) 599-8907.