

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

| | | |
|---|---|-------------------------------------|
| Operator <u>Amoco Production Co.</u> | | Well API No. <u>30-045-27461</u> |
| Address <u>P.O. Box 800, Denver Co 80201</u> | | |
| Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain) | | |
| New Well <input checked="" type="checkbox"/> | Change in Transporter of: | |
| Recompletion <input type="checkbox"/> | Oil <input type="checkbox"/> | Dry Gas <input type="checkbox"/> |
| Change in Operator <input type="checkbox"/> | Casinghead Gas <input type="checkbox"/> | Condensate <input type="checkbox"/> |
| If change of operator give name and address of previous operator | | |

II. DESCRIPTION OF WELL AND LEASE

| | | | | |
|--------------------------------|------------------------|---|--|------------------------------|
| Lease Name <u>Riddle B1</u> | Well No. <u>2</u> | Pool Name, Including Formation <u>Basin Fruitland Coal Gas</u> | Kind of Lease State, Federal or Eco | Lease No. <u>NM012647</u> |
| Location | | | | |
| Unit Letter <u>L</u> | <u>1980</u> | Feet From The <u>South</u> Line and <u>1095</u> | Feet From The <u>West</u> Line | |
| Section <u>22</u> | Township <u>31N</u> | Range <u>9W</u> | NMPM, <u>SAN JUAN</u> County | |

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| | | | | | | |
|--|--|------|------|------|----------------------------|-------|
| Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) | | | | | |
| Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) | | | | | |
| <u>Amoco Prod Co</u> | <u>PO Box 800, Denver, Co 80201</u> | | | | | |
| If well produces oil or liquids, give location of tanks. | Unit | Sec. | Twp. | Rge. | Is gas actually connected? | When? |
| | | | | | <u>Yes</u> | |

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

| | | | | | | | | |
|---|--|----------|---------------------------------|-------------------|------------------------------------|-----------|------------|------------|
| Designate Type of Completion - (X) | Oil Well | Gas Well | New Well | Workover | Deepen | Plug Back | Same Res'v | Diff Res'v |
| | | <u>X</u> | <u>X</u> | | | | | |
| Date Spudded <u>9/20/89</u> | Date Compl. Ready to Prod. <u>10/23/89</u> | | Total Depth <u>3114'</u> | | P.B.T.D. <u>Open hole compl</u> | | | |
| Elevations (DF, RKB, HI, GR, etc.) <u>6271' GR</u> | Name of Producing Formation <u>Fruitland Coal</u> | | Top Oil/Gas Pay <u>2938'</u> | | Tubing Depth <u>2841'</u> | | | |
| Perforations <u>Open Hole Completions</u> | | | | Depth Casing Shoe | | | | |

TUBING, CASING AND CEMENTING RECORD

| | | | |
|----------------|----------------------|--------------|-----------------------------|
| HOLE SIZE | CASING & TUBING SIZE | DEPTH SET | SACKS CEMENT |
| <u>12 1/4"</u> | <u>9 5/8"</u> | <u>259'</u> | <u>230sx Cl. B</u> |
| <u>8 3/4"</u> | <u>7"</u> | <u>2864'</u> | <u>500sx Cl. B lead in,</u> |
| | <u>2 3/8"</u> | <u>2841'</u> | <u>100sx Tail</u> |

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

| | | |
|--------------------------------|-----------------|---|
| Date First New Oil Run To Tank | Date of Test | Producing Method (Flow, pump, gas lift, etc.) |
| Length of Test | Tubing Pressure | Casing Pressure |
| Actual Prod. During Test | Oil - Bbls. | Water - Bbls. |
| | | RECEIVED NOV 20 1990 |

GAS WELL

| | | | |
|--|---|---|----------------------------|
| Actual Prod. Test - MCF/D <u>1237</u> | Length of Test <u>24</u> | Bbls. Condensate/MCF <u>0</u> | Gravity of Condensate |
| Testing Method (pilot, back pr.) <u>Flowing</u> | Tubing Pressure (Shut-in) <u>268</u> | Casing Pressure (Shut-in) <u>471</u> | Choke Size <u>1.375</u> |

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature D. W. Whaley
Printed Name D. W. Whaley Title Staff Admin Supvr
Date 11-15-90 Telephone No. (303) 830-4280

OIL CONSERVATION DIVISION

Date Approved NOV 19 1990
By [Signature]
Title SUPERVISOR DISTRICT # 3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

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. NM 012647 |
| 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) 1980' FSL 1095' FWL Sec. 22 T 31N R 9W NW/4SW/4 | | 8. Well Name and No. Riddle B-1 #2 |
| | | 9. API Well No. 3004527461 |
| | | 10. Field and Pool, or Exploratory Area Basin Fruitland Coal Gas |
| | | 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"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other Workover |
| | <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 plans to workover the well per the attached procedure.

RECEIVED
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OIL CON. DIV.
DIST. 3

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OIL CON. DIV. NM

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

Signed Mike Curry Title Business Analyst Date 04-11-1994
(This space for Federal or State office use)

Approved by _____ Title _____
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.

AMOCO

APPROVED

APR 28 1994

DISTRICT MANAGER

WORKOVER PROCEDURE

RIDDLE B-1 #2

OBJECTIVES: To (1) Cleanout openhole, (2) stimulate by recavitation of the Fruitland coals, and (3) replace 2 3/8" tubing with 3 1/2" tubing.

CURRENT WELL CONDITION: This well is an open-hole Fruitland coal producer drilled in 1989. 9 5/8" 36# K-55 casing was set at 259' and cemented to surface. 7" 23# K-55 casing was set at 2864' and cemented to surface. The well was drilled to a TD of 3114', and the original completion included 27 hours of CST over a 7 day period. Flow tests during completion were up to 2.9 MMCFD. The well was first delivered 11-30-90 after a 13 month shut-in. The original completion had fill problems. The openhole appears to have caved-in or bridged off with a January, 1994, wireline tag measurement of 2930' GL. Current production is 1.4 MMCFD.

1. MIRU cavitation rig with associated openhole completion equipment.
2. Tag for fill and cleanout to TD of 3114'.
3. Using openhole completion techniques, cleanout the openhole section and stimulate the Fruitland coals. These operations should continue as long as flow rates are increasing with time and the wellbore is unstable.
4. Once hole is stabilized and no appreciable increase in gas rates are expected, RIH with production string of 3 1/2" TBG. Land TBG at 2850' and return well to production.

MDG.94.04.07.