

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL. (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER	3. LEASE DESIGNATION AND SERIAL NO. NM-013685
2. NAME OF OPERATOR Amoco Production Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 800, Rm. 1846, Denver, CO 80201	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1120' FSL x 810' FWL, SW/4, Sec. 27	8. FARM OR LEASE NAME Schwerdtfeger LS, 1A, 1R
14. PERMIT NO.	9. WELL NO. #3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6083' GR	10. FIELD AND POOL, OR WILDCAT Undesignated Fruitland
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27-T31N-R9W
	12. COUNTY OR PARISH San Juan
	13. STATE NM

15. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐
REPAIR WELL ☐	CHANGE PLANS ☐
(Other) Amend APD, Change of Operator ☒	

REPORT OF:

WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREATMENT ☐	ALTERING CASING ☐
SEALING OR PLUGGING ☐	ABANDONMENT* ☐

(Other) Amend APD, Change of Operator ☒
NOTE: For multiple completion on Well (Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and 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 has taken over operatorship of the above referenced location, effective 7/1/88, and wishes to file change of operator with the BLM from Tenneco to Amoco Production Company. In addition, Amoco wishes to change the name under which this location was originally permitted (by Tenneco) from the Schwerdtfeger #3, to the Schwerdtfeger LS, 1A, 1R #3.

The original total depth on the APD is stated as 3030 ft. However, in the event the well does not yield commercial volumes of gas from the open hole completion, the water filled hole will be mudded-up and weighted-up (9-11#/gal.) for hole stability and well control. The well will then be deepened approximately 250' into the Pictured Cliffs to provide necessary footage for a cased and cemented completion technique to allow a fracture stimulation.*Please amend the APD as detailed. The logging and casing programs have also been revised as per the attached.

Should you require additional information, please contact B.L. Bren-Carley (303) 830-4542.

*Regardless of TD completion will be Fruitland Coal.

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

SIGNED J. Hampton
(This space for Federal or State office use)

TITLE Admin. Supv.

DATE 4/6/89

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE NMOCD

APPROVED
DATE

APR 11 1989
AREA MANAGER

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

<u>Quantity</u>	<u>Size</u>	<u>Weight</u>	<u>Description (Grade/End)</u>
<u>SURFACE CASING</u>			
250'	9-5/8"	36#	K55 LT&C
<u>INTERMEDIATE STRING</u>			
3100'	7"	20#	K55 LT&C
<u>OIL STRING</u>			
400'	5-1/2"	23#	N80 LT&C

The above casing design is based upon a 9.0#/gallon mud weight.
The contingency string is based upon a 11.0#/gallon mud weight.

Volume of Cement on Contingency Liner

$$0.2386 \text{ ft}^3/\text{ft} \times 650' = 155 \text{ ft}^3 \times 25\% \approx \underline{200 \text{ ft}^3}$$

Additional Remarks:

A pre-perforated liner is tentatively planned to hang in the open hole uncemented.
A contingency liner will be necessary if the well is deepened into the Pictured Cliffs, requiring a cemented completion technique for a fracture stimulation.
Plan on using:

650'	4-1/2"	11.6#	K-55 LT&C
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Evaluation:

Mud logs will be the only logs run if the well is complete as an open hole.
The log surveys (FDC/GR/CAL, DIL/SP/GR, Microlog, Mudlogger) will be run only if the well is drilled into the Pictured Cliffs formation.