

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-078039

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Barnes "A" #20

9. API Well No.

30 045 27834

10. Field and Pool, or Exploratory Area

San Juan, New Mexico

11. County or Parish, State

San Juan, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other Coal Seam

2. Name of Operator

Amoco Production Company Attn: John Hampton

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

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

1230' FNL, 800' FEL, Sec. 27, T32N-R11W

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Perf, Frac, remedial cmt
☐ 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 subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company Perf and frac information and also remedial cementing work on the subject well is attached.

RECEIVED
NOV 1 1991
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
OCT 15 AM 10:46
SANTA FE, N.M.

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

Signed

John Hampton

Title Sr. Staff Admin. Supv.

Date 10/1/91

(This space for Federal or State office use)

ACCEPTED FOR RECORD

OCT 3 1991

Approved by

Conditions of approval, if any:

Title

BY *SW*

GENERAL INSTRUCTIONS

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.

SPECIFIC INSTRUCTIONS

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.

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 in-

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 13—Proposals to abandon a well and subsequent reports of abandonment should include such 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

NOTICE

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.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

Did not cement to surface on production casing job.
 Drill DV tool from 1870'-1883'. Drill out cement to 3304'.
 Ran Cbl from 3315'-100'.
 Perforate 2948'-2949', W/4 JSPF, .5" diam., 4 shots open.
 3161'-3162', W/4 JSPF, .5" diam., 4 shots open.
 Run in hole with Retrievable Packer to 2987', Pmp down tbg
 at 1.5 BPM, 500psi. with 116 BBls Cl B cmt, recovered 10 BBls
 partial returns. TOH w/PKR.
 TIH to 2983 set retainer, pump 30 BBls WT dwn TBG, no returns.
 Pump 21 BBls of 15.6# gal cmt Cl B, and displace with 11 BW. WOC.
 Drill cement and clean out to 3325'. Test csg 500-250psi press. bled. off in 15
 min. Run CBL 3321'-2800'. CMT bond looks good from
 3284'-2950'. Set drillable BP @ 3048'. Pump 50sx Cl B. Performed 6 stage squeeze,
 pumped a total of 4.4 BBls cmt behind csg.
 Drill cmt & clean out to 3038'. Press test csg to 200psi for 15 min. Held OK .
 Ran CBL from 3010'-2800'. Cmt top at 2932'. Good bond from 2932'-3200'.
 Perforate 2600'-2601', W/4 JSPF, .5" diam., 4 shots open.
 2905'-2906', W/4 JSPF, .5" diam., 4 shots open.
 Set cmt. retainer @ 2799'. Pump 150sx Cl B displace with 15 BW,
 balance with a 25sx plug from 2620'-2420'.
 Drill & clean out cmt from 2534'-2789'. Press. test csg to 2000psi
 Held @ 750psi. Run CBL from 2770'-2300'. Pump 25sx Cl B cmt and displace cmt to
 perf interval. Place 3 BBls cmt behind csg. Set Pkr @ 2608' and press. test to
 3000psi. Reset @ 2598' and test backside to 2500psi. held.
 Mix and pump 50sx Oilwell Class G cmt. Drill cmt to 2610', Tag retainer. press.
 test csg to 3000psi. Held. Drill out retainer to 2809'.
 Set cmt retainer @ 2555'. Mix and pump 50sx Cl B Oilwell, circ. cmt to within 1'
 of retainer, pump 8 BBls into perfs.
 Set Pkr @ 30', press. test csg and tbg, bled to 2500psi in 2 min.
 Drill cmt & retainer @ 3048', clean out to 3325'. Circulate hole clean.
 Perforate 3132'-3138', W/4 JSPF, .5" diam., 24 shots open.
 3161'-3177', W/4 JSPF, .5" diam., 64 shots open.
 3186'-3189', W/4 JSPF, .5" diam., 12 shots open.
 Frac 3132'-3189' frac down csg, pump 2200gal WT to fill hole, pump
 pad of 64536gal .75#/gal FR-28., 5000# 40/70 Brady
 sn, 12000# 20/40 brady sn.
 Perforate 2948'-2951', W/4 JSPF, .5" diam., 12 shots open.
 2964'-2968', W/4 JSPF, .5" diam., 16 shots open.
 3001'-3005', W/4 JSPF, .5" diam., 16 shots open.
 3079'-3082', W/4 JSPF, .5" diam., 12 shots open.
 3092'-3105', W/4 JSPF, .5" diam., 52 shots open.
 Frac 2948'-3189' Frac down csg with 1478 BBls gel pad, 200000#
 20/70 sn.
 Run CBL from 2792'-1800'. Cmt top @ 2500'.
 Set drillable BP @ 2570' test to 1500psi. held.
 Perforate 1839'-1840', W/4 JSPF, .5" diam., 4 shots open.
 1055'-1056', W/4 JSPF, .5" diam., 4 shots open.
 Cement SQ. Mix and pump 31.5 BBls Cl B cmt.
 Set CMT retainer @ 1034', mix and pump 350sx Cl B cmt, displace with 2.4 BW.
 TIH and tag CMT @ 990', Drill out cmt retainer to 1056', TIH to 1725' pressure
 test csg to 1000psi., leaked off in 1 min.
 Set PKR @ 809' and pump 50sx Cl B cmt, mix and pump 10.5 BBls Slurry. Expected
 cmt top @ 918'. Released PKR @ 809', drill to 989, Tag Cmt top @ 989', retainer
 at 1770'. Drill cmt 989'-1770', CO fill. Test perfs at 1055'-1056' to 1500psi
 for 15min, test 8-5/8" wellhead to 500psi, dropped to 150psi in 10min. Drill cmt
 retainer at 1770'. Drill cmt to 1820'-152', test SQ perfs 1839'-1840', to
 1500psi, 15min Held. TIH CIBP at 2570'. CO to 3325'. TOH LD DC. TIH with 1 jt 2-
 3/8" tbg, SN nipple and TBG to 2500'. Test 8-5/8" 5.5 Csg to 500psi. Bled off to
 250psi 10min, repressure to 500psi. Bled off to 150psi 15min.-repressure to
 650psi. bled off to 150psi in 15min.- repressure to 600psi. bled off to 150psi
 in 30min. bled off pressure.
 TIH try to Co 25" fill, not able to circ. Land TBG at 2648'.