

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 ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Designation and Serial No. SF-078414
2. Name of Operator AMOCO PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name
Attention: D.M. TALLANT		7. If Unit or CA, Agreement Designation
3. Address and Telephone No. P.O. Box 800, Denver, Colorado 80201 (303) 830-5427		8. Well Name and No. DAY /B/ #5A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1460 FSL 800 FEL Sec. 18 T 29N R 8W		9. API Well No. 3004522714
		10. Field and Pool, or Exploratory Area BLANCO-MV
		11. County or Parish, State SAN JUAN NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent	☐ Abandonment
☐ Subsequent Report	☐ Recompletion
☐ Final Abandonment Notice	☐ Plugging Back
	☐ Casing Repair
	☐ Altering Casing
	☒ Other PERF & ACIDIZE
	☐ 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.)*

RECEIVED
JUL 12 1993
OIL CON. DIV.
DIST. 2

RECEIVED
BLM
93 JUL -6 PM 1:21
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct.
Signed DeAnne Tallant Title BUSSINESS ANALYST Date 07-01-1993
(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

AMOCO

APPROVED

JUL 17 1993

DISTRICT MANAGER

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.

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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; date 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.

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.

Day B 5A
Blanco Mesa Verde
Sec 18I-T29N-08W
Formation Reperforate and Acidize

1. Check location for anchors. Install if necessary. Test anchors.
2. MIRUSU. Blow well down. Kill, if necessary, w/ 2% KCl water. NDWH. NUBOP.
3. RIH w/ 2-3/8" tbg and tag for fill.
4. TOO H w/ 2-3/8" tbg. Visually inspect tbg and replace any bad joints.
5. TIH w/ 7" bit and scraper to top of liner. (7" csg drift I.D. is 6.331") POOH. TIH w/ 4-1/2" bit and scraper to PBTD'. (4-1/2" csg drift I.D. is 3.927 ") POOH.
6. TIH w/ 4-1/2" RBP and PKR. Set RBP at 4500', pull one stand, set PKR. Pressure test RBP to 1500 psi. Load backside and pressure test casing to 1000 psi. Isolate leak if present and report to engineer. Otherwise release PKR and retrieve RBP. POOH.

7. Lubricate in w/ 3-3/8" perforating guns loaded w/ 16 gram charges (0.41" entry diameter -4 JSPF-90 degree phasing) and perforate the following intervals:

<u>Interval</u>	<u>Thickness (ft.)</u>
4792-4810'	18
5284-5294'	10
5300-5310'	10
<u>5326-5332'</u>	<u>6</u>
TOTAL	44

*All depths are referenced from Dresser Atlas' density log dated 78/02/25. Please use this log to get "on depth" for perforating. A correlation log is attached.

8. TIH w/ 4-1/2" RBP and PKR. Set RBP at 5345'. Move uphole and set PKR at 5250'.
9. Pump the following acid job at no greater than 2 bbl/min.

preflush	: 1100 gal 15% HCl
treatment	: 1100 gal 35% Super ASOL, 65% (3% HF/12% HCl) solution
afterflush	: 1100 gal 15% HCl
displacement	: 27 bbl fresh water

10. Release PKR and retrieve RBP. Reset RBP at 4830'. Move uphole and set PKR at 4775'.
11. Pump the following acid job at no greater than 2 bbl/min.

preflush : 900 gal 15% HCl
treatment : 900 gal 35% Super ASOL, 65% (3% HF/12% HCl) solution
afterflush : 900 gal 15% HCl
displacement : 25 bbl fresh water

12. TOH w/ RBP and PKR.
13. TIH with mule shoe, 2-3/8" tubing, and seating nipple one joint off bottom. Land tbg at 5000'.
14. Swab and/or flow back load.
15. TIH w/ 4-1/2" RBP. Set RBP at 3000'. Spot sand on RBP. Perforate casing at 2150 w/ 4 JSPF (est. TOC at 2200' temperature survey) and attempt to circulate dye to determine cement volume.
16. Set PKR or cement retainer at 2100'. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to circulate to surface, if circulation to surface is possible. Shut bradenhead valve and attempt to obtain a squeeze pressure. WOC.
17. TOH. TIH w/ 4-1/2" bit and scraper. Drill out cement and pressure test casing. Resqueeze perforations if casing fails pressure test.
18. If cement is not circulated to surface, it may be necessary to run a CBL (and/or temp survey 8-10 hrs after cementing) and repeat steps 13-15.
19. TIH, circulate sand off RBP and retrieve. POOH.
20. RIH w/ 2-3/8" tbg and land at 4900'.
21. NDBOP. NUWH. RDMOSU. Return well to production, swab if necessary.

NOTE: All water which will contact formation during this procedure (excluding acid job) should be 2% KCl.
All water used during the acid job must be fresh. KCl water, when in contact with HF acid, will form unwanted precipitates. The preflush will ensure that any downhole KCl is displaced prior to pumping of HF acid.
All acid must contain 50 lb of critic acid per 1000 gal of solution to serve as an iron sequestering agent.
Acid solution for treatment can be mixed in yard but must be recirculated on location prior to treatment.
The time between pumping acid and swabbing back the load should be kept to a minimum.

REPORT ANY PROBLEMS TO TY SMITH (socon 721-5164)