

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 GAS COM D1

9. API Well No.

3004527789

10. Field and Pool, or Exploratory Area

BASIN FRUITLAND COAL GAS

11. County or Parish, State

SAN JUAN

NM

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

COAL SEAM

2. Name of Operator
AMOCO PRODUCTION COMPANY

Attention:
DALLAS KALAHAR

3. Address and Telephone No.

(303) 830-5129

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

1070' FEL 990' FNL Sec. 24 T 32N R 11W

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

TYPE OF SUBMISSION

TYPE OF ACTION

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

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other RECAVITATE OPEN HOLE

- ☐ 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.)

MIRUSU - 4/27/93 - RU B&R SERVICE AND ENCOUNTERED PARIFIN AT SURFACE TO 60 FT. RUN GUAGE RING TO F NIPPLE AT 2547 AND SET CIRCULATING BLANKING PLUG IN F NIPPLE AND BLEED OFF TBG TO NO FLOW. FLOWED CASING TO PIT W/40 PSI ON OPEN 2 INCH LINE AND WELL MAKING COAL FINES AND 20 FT FLARE. MAKE UP STRING FLOAT ON 2.375 IN TBG AND BAKER RETRIEVAMATIC PKR AND SET PKR AT 50 FT FORM SURFACE. BACK OFF TBG AND PULL TWO JOINTS OUT OF HOLE. NIIPPLE UP A 12 INCH 7.0625 IN X 3M TBG HEAD SPOOL OVER THE EXISTING TBG HEAD WHICH WOULD ALLOW THE CHOKE AND KILL LINE TO BE SQUARE W/THE CAVITATION UNIT RIG UP. MAKE UP STRING FLOAT ON 2.375 IN TBG AND BAKER RETRIEVAMATIC PKR AND SET PKR AT 50 FT FORM SURFACE. BACK OFF TBG AND PULL TWO JOINTS OUT OF HOLE. NIIPPLE UP A 12 INCH 7.0625 IN X 3M TBG HEAD SPOOL OVER THE EXISTING TBG HEAD WHICH WOULD ALLOW THE CHOKE AND KILL LINE TO BE SQUARE W/THE CAVITATION UNIT RIG UP. PLACE 3.5 IN DRILL COLLAR RAMS AT MIDDLE PIPE POSITION AND 2.875 IN DRILL PIPE RAMS IN THE TOP PIPE RAM POSITION ON TOP BOP. PU AND TIH W/4.75 IN BLADE BIT, BIT SUB W/FLOAT AND 14 EA. 3.5 IN DRILL COLLARS W/CHANGE OVER SUB ON TOP OF DRILL COLLARS. PU 2.875 IN AOH DROLL PIPE TO 2556. TOH W/2.375 INCH PRODUCTION TBG STRING. CIRCULATING, RECIPROCATATE AND ROTATE F/2895 TO 2935 TD. WORK ARMS OPEN TO 7.5 INCHS FROM 2622 TO 2626. WITH ARMS OPEN P.O. IS UNDER REAMING AND OPENING HOLE FROM 4.75 TO 7.5 INCHES AT 2735. FLOW TEST AT WINDOW THRU .75 IN CHOKE. INITIAL FCP 40 PSI DRY GAS AT 580 MCFD. 15 MIN FCP 40 PSI DRY GAS AT 580 MCFD. 30 MIN FCP 55 PSI DRY GAS AT 798 MCFD. 45 MIN FCP 57 PSI DRY GAS AT 827 MCFD. 60 MIN FCP 60 PSI DRY GAS AT 870 MCFD.

CONTINUED ON ATTACHED.

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

Signed

Dallas Kalahar

Title

BUSINESS ANALYST

03-11-1994

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

MAR 18 1994

FARMINGTON DISTRICT OFFICE

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

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

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 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.

75 MIN FCP 62 PSI DRY GAS AT 899 MCFD. PU AND TIH W/2.875 IN AOH DRILL PIPE AND TAG BRIDGE AT 2830 AND BREAK CIRCULATION W/1500 CFM AND WATER AT .5 BPM. C/O, RECIPROCATATE AND ROTATE WHILE WORKING OUT BRIDGE AT 2830 AND CLEANING BRIDGES AND FILL TO 2932. LAYDOWN DRILL PIPE TO WINDOW AND RUN BACK IN OPEN HOLE AND HAD ONE BRIDE AT 2830 THAT BIT. RECIPROCATATE AND ROTATE FROM 2831 TO 2866 AND CLEAN HOLE UP. UNDERREAM FROM 2635 TO 2747. OPEN HOLE W/REAMER TO 7.5 INCHES AND 1500 CFM AIR AND 1 BPM WATER. LAY DOWN PIPE TO WINDOW AND TOH W/UNDERREAMER AND LAY DOWN. P/U SECOND UNDERREAMER AND TIH. UNDERREAM FROM 2747 T/2870 AND OPEN HOLE FROM 4.75 INCHES TO 7.5 INCHES AND PAST LAST MAIN SEAM OF COAL AT 2816 T/2840. LD PIPE TO WINDOW HANG SWIVIL AND TOH TRIP IN HOLE W/4.75 IN BLADED BIT AND 14 DRILL COLLARS AND DRILL PIPE TO WINDOW. TIH AND TAG BRIDGE AT 2665 AND CLEAN OUT BRIDGES AND FILL TO 2866 W/1500 CFM AIR AND 1 BPM WATER AND THEN REDUCE WATER TO SWEEPS. LAYDOWN 10 JOINTS OF DRILL PIPE TO WINDOW. CST WELL W/AIR PRESSURE AND NO WATER TO 800 AND 1000 PSI THREE TIMES, RELEASE W/NO COAL RETURNS. TIH AND TAG FILL AT 2820. CLEANED OUT FILL AND CIRCULATE, RECIPROCATATE AND ROTATE F/2831 T/2866. CST W/3000 CFM AIR ON HOLE 10 TIMES TO THE FOLLOWING PRESSURES AND RELEASE. 800, 1000, 1200, 1500, 1600, 1300, 1100, 1100, 1100, 1100 PSI EA W/ INITIAL PRESSURE. TAKING 8 MINS AND FINALS TAKING 1 HOUR. FLOW TEST RESULTS: INITIAL FCP 10 PSI DRY GAS OR 261 MCF. 15 MIN 18 10 PSI DRY GAS OR 261 MCF. 30 MIN 18 22 PSI DRY GAS 319 261 MCF. 45 MIN 18 26 PSI DRY GAS 377 261 MCF. 60 MIN 18 30 PSI DRY GAS 435 261 MCF. 150 MIN 18 48 PSI DRY GAS 435 261 MCF. 150 MIN 18 48 PSI DRY GAS 696 261 MCF. PU AND TIH AND TAG BRIDGES AT 2619 AND 2788. PUT WELL ON FLOW TEST THRU .75 IN POSITIVE CHOKE AND FLOW 2 HOURS AS FOLLOWS. INITIAL FCP 25 PSI DRY GAS OR 363 MCF. 15 MIN FCP 51 PSI DRY GAS OR 740 MCF. 30 MIN FCP 55 PSI DRY GAS OR 798 MCF. HAD NO CHANGE IN PRESSURE AFTER 120 MINS OF FLOWING WELL W/23 FT FLARE AND ALL DRY GAS. BLOW WELL DOWN THRU BLOWIE LINE. BLOW WELL DOWN THRU BLOWIE LINE. TOH W/DRILL STRING. LET WELL FLOW THRU BLOWIE LINES FOR STABILIZATION. TIH W/BLADE BIT AND 422 FT OF 3.5 IN OD BHA AFTER ROTATING TOP 2 STAND OF DRILL COLLARS. C/O FROM 2773 TO 2804 W/1500 CFM AIR AND WATER SWEEPS OF 5 BBLS OF WATER PER 1/4 HR. AND WELL MAKING ALOT OF FINE COAL. CIRC R&R, AND CLEAN OUT FROM 2804 T/2834. WELL MAKING ALOT OF COAL. CIRCULATE AND R&R W/BIT FROM 2834 T/2866. WELL MAKING HEAVEY AND RUNNING ALOT OF COAL. TOH W/DRILL STRING. TIH TAG 2765', C/O TO 2896 IN 19 HRS W/ HEAVY/STICKY COAL. C/O 2865-2935', AT 2000 HRS R&R AT 2935' W/FAIR COAL TO 0145 HRS, TOH TO WINDOW AND FLOW TEST 2.5 HRS W/ MAX PSI 66#, 957 MCFD. TOH TO WINDOW, FLOW TEST 2 HRS: ISIP-40#, 15 MIN-80#, 30' FLARE, CK CHOKE LINES TO BE SURE CLEAN, PSI INC TO 86#. AT 0400 HRS TOH, PU SWIVEL, JT PIPE, BIT, BIT SUB AND FLOAT. TIH TAG 2828'. STK AT 1600 HRS, LD 5 JTS, WORK TIGHT WHOLE AT 2773'. TOH TO SHOE. TOH AND CAST #6 W/AIR: 1.6 HRS - 1000#, 38 MIN - 1450#, 52 MIN - 950#. GOOD COAL RETURNS. TIH TAG AT 2763', C/O HEAVY COAL W/ 1500 CFM AIR. TOH TO SHOE. TOH TO BIT, 3/4". TIH TO C/O. TIH W/BLADE BIT AND 3.5 IN DRILL COLLARS AND 2.875 DRILL PIPE TO WINDOW. SWIVIL IN HOLE TO 2814 AND TAG FILL. C/O FROM 2814 TO 2935 W/1500 AIR AND SOAP SWEEPS AND WELL MADE TREMENDOUS COAL RETURNS. FLOW WELL UP ANNULUS OF DRILL PIPE AND THRU .75 IN CHOKE FOR FLOW TEST AT 1450 MCFD. INITIAL FCP OF 90 PSI. 60 MINS FCP AT 97 PSI. 120 MINS FCP AT 100 PSI AND HELD THIS FLOWING CASING PRESSURE FOR THE LAST 30 MINS OF FLOW TEST. FLARE AT 25 FT AND ALL DRY GAS. TIH AND TAG FILL AT 2875. SWIVIL IN HOLE AND TAG ONLY 5 FT OF FILL AT TD. TAG UP AT 2930. SWIVIL IN HOLE AND TAG UP AT 2935 NO FILL. FLOWING WELL TEST UP CASING THRU CHOKE MANIFOLD AND .75 IN POSITIVE CHOKE AT 90 PSI. WELL PRESSURE UP TO 500 AND 620 PSI AND SURGE WELL WITH ONLY SLIGHT COAL RETURNS. TIH W/NEW SMITH TRI CONE BIT TO WINDOW. TAG UP AT 2900 FT. FLOW WELL THRU .75 IN CHOKE AND INITIAL FCP WAS 98 PSI AND FINAL WAS AT 112 PSI W/SLIGHT MIST OF WATER FOR ESTIMATED RATE OF 1624 MCF. SWIVIL INTO OPEN HOLE AND TAG UP AT 2865 TO 2935 W/1500 CFM AIR AND 10 BW PER HOUR.

WELL NOT RETURNING MUCH COAL. SWIVIL OUT OF OPEN HOLE AND TOH FOR CST. TIH TO WINDOW AND SWIVIL IN SINGLES TO 2865. C/O FROM 2865 TO 85 W/1500 CFM AIR AND 10 BW PER RESERVE WATER AND WELL RUNNING ALOT OF COAL. C/O RUNNING COAL FROM 2875 TO 2935 W/1500 CFM AIR AND 10 BBL PER SOAP. INTENCITY TO GET THE VISCOCITY TO CARRY AND COAL BUT ONCE THICK ENOUGH THE RETURNS PRODUCED HEAVEY AND STEADY COAL. TOH W/4.75 BIT AND WELL STILL MAKING COAL. CHANGE ALL PIPE RAMS TO 2.375 INCH FROM 2.875. RU TBG TONGS. TIH W/THE 2.375 PRODUCTION TBG OUT OF DERRICK. LAY DOWN ALL 2.375 IN PIPE RAMS FOR 2.875 INCH DRILL PIPE RAMS. P/U UNDEREAMER AND TIH TO 2855. REAM FROM 2855 TO 2870 AND OPEN HOLE FROM 4.75 INCHES TO 7.5 INCHES FROM 2870 TO 2935. TOH AND LAY DOWN UNDEREAMER. TIH W/4/75 INCH BIT AND TAG TD AT 2935. LAY DOWN DRILL PIPE TO WINDOW. FLOW WELL THRU BLOWIE LINES. TIH AND TAG BRIDGE AT 2875, BROKE CIRCULATION VERY SHORT BRIDGE AND RUN IN TO TD AT 2935 W/1500 CFM AIR. TIH AND TAG BRIDGE AT 2855. CLEAN UP HOLE AND WORK PIPE FROM 2835 TO 2935. FLOWING WELL TEST ON .75 INCH CHOKE MANIFOLD. INITIAL FCP OF 125 PSI DRY GAS. 15 MIN FCP OF 165 PSI DRY GAS. 120 MINS TST FCP OF 10 PSI LIGHT MIST. TRIPPING OUT OF HOLE W/2.875 INCH DP AND 3.5 INCH BHA AND 4.75 IN BIT. MOVING PIPE FROM 2855 TO 2935 TD. FLOWING WELL TEST ON .75 INCH POSITIVE CHOKE. INITIAL FCP 80 PSI. 15 MINS TEST AT 210 PSI AT 30 MINS HEAVEY MIST. 60 MIN TEST AT 190 PSI DRY GAS. 120 MIN TEST AT 160 PSI DRY GAS. 180 MIN TEST AT 160 PSI HEAVEY MIST. 240 MIN TEST AT 150 PSI DRY GAS. 300 MIN TEST AT 145 PSI DRY GAS FOR ESTIMATED RATE OF 2102 MCF. CLEAN OUT FROM 2732 TO 2935 W/SAME AIR OF 1500 CFM AND 10 BPH WATER MIST. TIH W/BHA AND DRILL PIPE. SWIVIL IN HOLE AND BREAK CIRCULATION AT 2933 AND HAD ONLY 2 FT OF FILL AT TD. TOH W/DRILL STRING FOR CST. TIH AFTER 1800 TAGGED FILL OF 5 FT. AT TD. TIH AND P/U SWIVIL. TAG FILL ON TD AT 2931 ONLY 4 FT. OF FILL. FLOWING WELL TEST. INITIAL FLOWING PRESSURE ON CHOKE 100 PSI. 15 MIN FCP AT 125 PSI. 3 HR AND 15 MIN TEST ROCKED BETWEEN 145 AND 155 PSI ALL DRY GAS FOR 2175 MCF AVERAGE ON TEST AND WELL APPEARED STABLE AT 150 PSI FOR THIS TEST. C/O FROM 2845 TO 2935 TD. SWIVIL IN HOLE AND PUSH THRU BRIDGES AT BASE OF COTTON WOOD AND HAD 5 FT OF FILL AT TD. SWIVIL IN HOLE AND PUSH THRU BRIDGE AT 2865 AND CONTINUE TO TD W/NO FILL. TOH W/DRILL STRING. RDMOSU - 5/26/93.

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OIL CON. DIV.
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