

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

2. Name of Operator

Amoco Production Company

Attention:

Dallas Kalahar

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-5129

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

1150FSL

810FEL

Sec. 8 T 31N R 11W

5. Lease Designation and Serial No.

SF-078096

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Mudge B #15A

9. API Well No.

3004523160

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

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

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

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Workover

- ☐ 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.)

Please see attached for procedures.

RECEIVED  
MAY 26 1994  
OIL CON. DIV.  
DIST. 3

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

Signed

Dallas Kalahar / SP

Title

Staff Business Analyst

Date

05-20-1994

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved by

Title

Date

Conditions of approval, if any:

MAY 8 1994

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.

# MUDGE B #15A

MIRUSU - 3/16/94. STRING PC=300 PSI, SITP LONG STRING MV=200, PUMPED 10 BBLS DWN BOTH STRINGS. ND WH NUBOP RU TO PULL 1.25 STRING. TOH W/ 1-1/4 SHORT STRING. RU TO PULL LONG STRING, PULL UP TO 70 K ON TBG. NIP DWN BOP & REMOVE HANGER, NUBOP - WORK TBG STRING UP TO 70 K - NO MOVEMENT. RU WLE RIH & RUN FREE POINT, FOUND TBG STUCK @ 2889 & CHEM CUT TBG @ 2866. TOH W/TBG, TIH W/2-3/8 OVER SHOT BS & JARS & DC. LATCHED ON FISH @ 2866 & JARRED & WORKED FISH FOR 1-1/2 HRS. RELEASED FISH & TOH W/BHA.

RIG UP N2 EQUIP & CLEAN OUT W/ 91000 SCI N2 TO PBR @ 2789, HAD 13' OF FILL ON PBR. TOH W/WASH PIPE. TIH W/JARS & BHA, LATCHED ON FISH & JARRED 1 HR (NO MOVEMENT). TOH W/BHA, TIH W/4-3/4 JARS & BS & 8 DC. TIH W/2-7/8 DRILL PIPE. TIH TO TOP OF PERFS. FINISH TIH W/OVER SHOT & LATCHED 2-3/8 FISH TOP @ 2866. JARRED ON FISH FOR 30 MIN. MADE EST 2' WHEN TUBING JUMPED. TOH W/1.2' OF TBG. TIH W/OVER SHOT & JARS & LATCHED FISH. RU WLE & RIH W/FREE POINT (NO MOVEMENT BELOW 2890). RIH & CHEM CUT TBG OFF 4 JTS BELOW SEAL ASSY., TBG DID NOT DROP IN RAT HOLE 79'. TOH W/4' OF 2-3/8 TBG, SETTING JARS OFF 65K OVER STRING.

TIH W/3-3/8 DC & 2-7/8 DP. TOH LAYING DWN. TIH W/RBP & 2-3/8 TBG & SET @ 2564'. LOADED HOLE W/96 BBLS & CIRC OUT GAS & PRESS TEST TO 1500 PSI, HELD OK. SPOTTED 2 SXS SAND & TOH W/RET HEAD. RU WLE & RAN CBL GR CCL FROM 2540' TO SURF. EST CMT TOP @ 1780'. RIH & PERF CSG @ 1710' W/2 JSPF .5 HOLE 180 DEG PHASED, 19.5 GRM. RD WLE - TIH W/RET PKR & SET @ 1429 & PRESS TEST TO 1000 PSI. RIGGED UP & PMPD DWN TBG TRYING TO GET CIRC W/THE BRADENHEAD, PMP 3 BPM @ 1300 PSI. PMPD 65 BBLS DWN TBG, PMPD 20 DWN BRADENHEAD, UNABLE TO GET CIRC. WAITED ON CMT. PMP 10 BBLS SUPER FLUSH & 10 BBL SPACER, PMPD 300 SXS OF 65/35 POZ W/2% GEL & TAILED IN W/100 SXS OF CLASS B NEAT W/.3% HALIAD 344 W/5% CAL SEAL. UNABLE TO GET CIRC W/B.H. STAGGED IN LAST 3 BBLS W/SQUEEZE PRESS OF 500 PSI.

RELEASED PKR @ 1429' & TOH. RU WLE & RIH & TAGGED CMT @ 1544'. RAN CBL FROM 1500 TO 1000'. NO NEW CMT TOP. RIH & PERF CSG @ 1220 W/2JSPF .5 HOLE 180 DEG PHASED 19.5 GRM CHARGE RD WLE. BROKE CIRC W/BRADENHEAD @ 3 BPM @ 700 PSI. RAN DYE TEST 60 BBLS. COND HOLE 3 HRS & WAITED ON CMT. RU CMT EQUIP MIXED & PMPD 85 SXS OF 65/35 POZ W/2% GEL. 100 SXS OF CLASS B W/2% CBL & 100 SXS CLASS B W/.3% HALIAD 344 & 3% CAL SEAL & DISPLACED W/11 BBLS. LOST RETURNS W/2 BBLS INTO DISPLACEMENT. SI TBG PRESS. RIG UP WLE & RAN TEMP LOG FROM 1000 TO SURFACE, EST. CMT TOP @ 200'. RD WLE, PRESS TEST CMT TO 1000 PSI, HELD OK. RELEASED PKR & TOH. TIH W/BIT SCRAPER & TAGGED CMT @ 1045 & DRILL OUT @ 1225'. CIRC HOLE & PRESS TEST TO 1000 PSI, HELD OK. TIH & TAGGED CMT @ 1550 DRILLED OUT @ 1715', LAST 20' STRINGERS. CIRC HOLE CLEAN, PRESS TEST 1000 PSI. LOST 500 PSI IN 1 MIN. PRESS TEST TO 800 PSI. PRESS TO 800 PSI, PRESS DROPPED TO 500 PSI & HOLDING. TOH TO DC.

TOH W/DC & PRESS UP TO 500 PSI ON SQUEEZE HOLE @ 1710' & LOST 200 PSI IN 5 MIN. TIH W/TBG & LANDED @ 1734'. RIGGED UP CMT EQUIP, MIXED & SPOTTED 50 SXS CLASS B W/.6 HALIAD 322, TOH W/TBG & DISPLACED 2.5 BBLS TO SQUEEZE PRESS OF 1000 PSI. PRESS TEST SQUEEZE TO 500 PSI, HELD OK. TIH W/BIT & SCRAPER. TAGGED CMT @ 1580' & DRILL OUT TO 1740'. PRESS TEST TO 500 PSI & HELD OK. TOH W/BIT & SCRAPER. TIH W/RET HEAD & CIRC OFF SAND ON RBP @ 2564. RELEASED RBP & TOH.

RU WLE & RAN CCL GR CORRELATION LOG FROM 5228 - 4200'. ROH & RIH & PERF MV POINT LOOKOUT W/3-1/8 HSCG W/2 JSPF .38 HOLE, 13 GRM CHARGE 120 DEG PHASED. PERF FROM

5220' - 5222'	5028' - 5030'	5021' - 5024'	5007' - 5012'
4994' - 5000'	4986' - 4991'	4977' - 4984'	4962' - 4973'
4958' - 4960'	4937' - 4955'	4878' - 4880'	4670' - 4672'

ROH & RIH & SET RBP @4600', ROH W/SETTING TOOL. TIH W/RET PKR & SET PKR @ 4590' & PRESS TEST PKR TO 1700 PSI, HELD OK. FILLED CSG FROM PKR TO BOTTOM OF PC PERFS @ 2773' W/40 BBLS & SPOTTED 2 SXS OF SAND & TOH W/PKR. RU WLE RIH & RAN CBL CCL GR FROM 4591' - 2727'. GOOD CMT TO LINER TOP. RIH & PERF MV CLIFFHOUSE W/3-1/8 HSCG W/2 JSPF 120 DEG PHASED .38 HOLE 13 GRM CHARGE. PERF FROM

4549' - 4551'	4519' - 4522'	4498' - 4506'	4487' - 4491'
4481' - 4483'	4475' - 4477'	4468' - 4470'	4462' - 4465'
4443' - 4448'	4426' - 4437'	4405' - 4420'	4395' - 4400'

4350' - 4352'

4332' - 4337'

4320' - 4326'

4307' - 4311'

4284' - 4303'

ROH RD WLE.

bled off press TIH w/4-1/2 RBP, 2 JTS 2-3/8, 91 JTS 3-1/2 TBG. SET RBP @ 2919'. ND BOP NU FRAC TREE & PRESS TEST SEALS. RIGGED UP FRAC EQUIP. & PRESS TEST LINES. FRACED MV CLIFFHOUSE INTERVAL 4284 - 4549 BY PUMPING 2535 GAL WATER & SHUT DWN. MAX PRESS = 2819 ISIP=420 PSI. PMPD 70 QUALITY FOAM PAD 14866 GAL. STAGED IN 13/60 SAND FROM 1.5 PPG TO 5.0 PPG PMPD TOTAL OF 1318 SXS. WELL SCREENED OUT ON 5 PPG SAND, MAX PRESS=5300 PSI AVG TREATING PRESS=3060 PSI. BH FOAM RATE=30 PBM TOTAL FLUID VOL=32454 GAL 773 BBLS TOTAL N2 = 1,129,315 SCF, TOTAL SAND = 131800 LBS, ISIP=5040 5 MIN=4845 PSI - 10 MIN 4784. SHUT WELL IN, RIGGED DWN FRAC EQUIP.

FLOW BACK FRAC 4/1/94, OPENED WELL UP 1/4 CHOKE FOR 8 HRS. OPENED WELL UP ON 1/2 CHOKE 4/2/94, 24 HRS. 4/3/94 24 HRS CHOKE=1/2, WELL STARTED UNLOADING @ 11:30 AM, CONTINUED TO FLOW BACK FRAC. RIG FLOW TEST WELL FOR 7HRS. FLOWED ON 1/2 CHOKE, RECOVERED 70 BBLS. CONT. TO FLOW TEST OVER NIGHT. TOTAL BBLS REC TO DATE = 451 BLTR=322.

WELL FLOWING TO TANK ON 1/2 CHOKE. BLED OFF PRESS. ND WH NUBOP. RELEASED PKR @ 2919', PMP 40 BBLS. TOH LAYING DWN 3-1/2 FRAC STRING. TIH W/RET HEAD & 2-3/8 TBG & TAGGED FILL @ 4330. RU N2 EQUIP & CLEANED OUT TO RBP SET @ 4600' W/120000 SCF N2. RELEASED RBP & TOH. TIH W/1/2 MULE SHOE, 1 JT, SN/F COLLAR & TAGGED UP @ 5200'. PULLED UP TO 4450. RU TO FLOW BACK WELL ON 1/2 CHOKE. PUT WELL TO TANK & TURNED OVER TO TESTERS, RECOVERED 320 BBLS WATER. FLOW WELL OVER NIGHT TO TANK ON 1/2 CHOKE IN 12 HRS RECOVERED 168 BBLS. BLED OFF PRESS PMP 10 BBLS TIH & TAGGED UP @5170 WELL MADE 30'. FILL OVER NIGHT. PULLED TBG UP TO 4450 OPENED UP ON 1/2 CHOKE. RECOVERED 42 BBLS IN 5 HRS. FLOW TEST WELL OVER NIGHT.

FLOW TEST WELL TO TANK OVER NIGHT ON 1/2 CHOKE. HOOKED UP WELL HEAD TO PIT, OPENED WELL UP ON 1/2 CHOKE, LEFT WELL GOING TO PI OVER NIGHT.

SWI, PLAN TO RUN 1-1/4 COIL TBG IN LONG STRING. TURN PC OVER TO PRODUCTION. MIRU COIL TBG, RIH W/1-1/4 COIL TBG TO 5004 & LANDED RU N2 EQUIP & PMPD OUT PLUG W/25,000 SCF N2. RIGGED DWN COIL TBG UNIT, SWI. TURNED WELL OVER TO PRODUCTION 4/20/94.

MDGB15/SP