

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
SF-079290

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

San Juan 28-7 Unit

8. Well Name and No.

San Juan 28-7 Unit #402

9. API Well No.

30-039-25111

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal Gas

11. County or Parish, State

Rio Arriba, NM

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other Coal Seam

2. Name of Operator

Amoco Production Company

Attn: J.L. 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)

790' FNL, 1170' FEL Sec. 13, T28N-R7W NE/NE (Unit "A")

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 and
Remedial cementing
- ☐ 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 completion work.

RECEIVED
JAN 22 1992
OIL CON. DIV.,
DIST 3

ACCEPTED FOR RECORD
JAN 17 1992
FARMINGTON RESOURCE AREA
BY 2014

Please contact Cindy Burton (303) 830-5119 if you have any questions.

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

Signed

J.L. Hampton/CB

Title

Sr. Staff Admin. Supr.

Date

1/8/92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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.

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-

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 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 the burden estimating 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.

SAN JUAN 28-7 UNIT #402

COMPLETION AND REMEDIAL CEMENT WORK

10/28/91 **PERFORATE:**

3412' - 3415'	W/8 JSPF, .50 IN. DIAM.,	24 SHOTS, OPEN
3423' - 3427'		24 SHOTS
3455' - 3466'		32 SHOTS
3471' - 3482'		88 SHOTS
3483' - 3486'		88 SHOTS
3489' - 3492'		24 SHOTS
3540' - 3544'		32 SHOTS
3547' - 3559'		96 SHOTS
3562' - 3567'		40 SHOTS

RAN A CBL FROM PBTD TO 1600'. CEMENT ACROSS FRUITLAND OK. TOC ON 2ND STAGE IS AT 2070'. PRESSURE TEST CASING TO 3800 PSI FOR 15 MIN. HELD

10/31/91 **FRACTURE STIMULATE:**

PUMP 5749 BW WITH 178,800# SAND (17,900# 40/70 SN, 160,900# 20/40 SN) WITH 250 GAL. FRICTION REDUCER. SCREENED OUT AT 5.5 PPG. NO FLUSH. AIP 1200 PSI, AIR 90 BPM.

REMEDIAL CEMENT WORK:

SET CIBP AT 2200'. PRESSURE TEST TO 2800 PSI FOR 15 MIN. HELD.
PERFORATE 2020' - 2021' W/4 JSPF, .50 IN. DIAM., CLOSED

SET PACKER AT 1690'. PRESSURE BACKSIDE TO 2000 PSI FOR 15 MIN. CIRCULATE WATER THRU BRADENHEAD UNTIL RETURNS CLEAN UP.

PUMP 290 SX HALLIBURTON LITE CEMENT, TAIL WITH 50 SX. CLASS B WITH 2% CaCL. HOLD 500# ON BACKSIDE. FLUSH WITH 10 BW. CIRCULATE OUT 10 BBLs GOOD CEMENT AT END OF THE JOB.

TAG CEMENT AT 1623'. DRILL OUT CEMENT TO CIBP AT 2200'. PUSH CIBP TO BOTTOM, DRILL UP CIBP. RESET PACKER AT 2457'. PRESSURE TEST ANNULUS TO 1000# FOR 15 MIN. HELD. RAN 2 3/8" TUBING SET AT 3419'.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other Coal Seam

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other _____

2. NAME OF OPERATOR

Amoco Production Company

Attn: J.L. Hampton

3. ADDRESS AND TELEPHONE NO.

P.O. Box 800 Denver, CO 80201 (303) 830-5025

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 790' FNL, 1170' FEL NE/NE (Unit "A")

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED
9/17/91

15. DATE DRILLED 10/8/91 16. DATE T.D. REACHED 10/12/91 17. DATE COMPL. (Ready to prod.) 12/3/91 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6803' Gr 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3666' 21. PLUG, BACK T.D., MD & TVD 3647' 22. IF MULTIPLE COMPLEMENTS, LIST HERE 23. INTERVALS DRILLED BY ROTARY TOOLS Yes CABLE TOOLS No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, FROM, NAME (MD AND TVD)* Fruitland Coal 3412'-3567' 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray OIL CON. DIV. 27. WAS WELL CORRED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8" K-55	24#	266	12 1/4"	surf, 180 sx Cl B	Ø
5 1/2" K-55	17#	3661'	7 7/8"	surf, 200 sx Cl G	Ø
				580 sx 65/35 poz	
				60 sx Cl G	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
					2 3/8"	3419'

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
3412'-3415'	24 shots	3489'-3492'	24 shots	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3423'-3427'	24 shots	3540'-3544'	32 shots	3412'-3567'	Frac with 17900 #40/70 sn, 160,900 #20/40 sn, with 5749
3455'-3466'	32 shots	3547'-3559'	96 shots		BW. AIP 1200 psi ATR 90 bpm
3471'-3482'	88 shots	3562'-3567'	40 shots		
3483'-3486'	88 shots	(8JSPF, .50 in diam)			

33. PRODUCTION
DATE FIRST PRODUCTION 11/6/91 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) SI- W/O 1st Delivery

DATE OF TEST 12/3/91 HOURS TESTED 24 CHOKER SIZE 18/64 PROD'N. FOR TEST PERIOD OIL—BBL. 1072 GAS—MCF. 1072 WATER—BBL. 1072
FLOW, TUBING PRESS. 550 CASING PRESSURE SI 560 CALCULATED 24-HOUR RATE OIL—BBL. 1072 GAS—MCF. 1072 WATER—BBL. 1072 GRAVITY-API (CORR.)

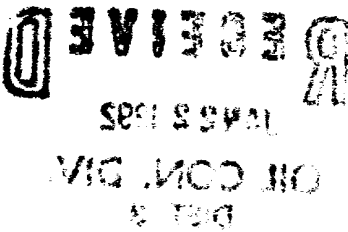
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) to be sold TEST WITNESSED BY JAN 1 1992

35. LIST OF ATTACHMENTS Remedial cementing / perf & frac summary

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
SIGNED J.L. Hampton / cub TITLE SR Staff Admin. Supr. DATE 1/13/92

*(See Instructions and Space for Additional Data on Reverse Side)

GEOLOGIC MARKERS

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
						MEAS. DEPTH	TRUE VERT. DEPTH
				 REEL 10 JAN 3 1965 OIL CONT. DIV. DALLAS	Fruitland Pictured cliffs	3332' 3570'	

SAN JUAN 28-7 UNIT #402

COMPLETION AND REMEDIAL CEMENT WORK

10/28/91 **PERFORATE:**

3412' - 3415'	W/8 JSPF, .50 IN. DIAM.,	24 SHOTS, OPEN
3423' - 3427'		24 SHOTS
3455' - 3466'		32 SHOTS
3471' - 3482'		88 SHOTS
3483' - 3486'		88 SHOTS
3489' - 3492'		24 SHOTS
3540' - 3544'		32 SHOTS
3547' - 3559'		96 SHOTS
3562' - 3567'		40 SHOTS

RAN A CBL FROM PBTD TO 1600'. CEMENT ACROSS FRUITLAND OK. TOC ON 2ND STAGE IS AT 2070'. PRESSURE TEST CASING TO 3800 PSI FOR 15 MIN. HELD

10/31/91 **FRACTURE STIMULATE:**

PUMP 5749 BW WITH 178,800# SAND (17,900# 40/70 SN, 160,900# 20/40 SN) WITH 250 GAL. FRICTION REDUCER. SCREENED OUT AT 5.5 PPG. NO FLUSH. AIP 1200 PSI, AIR 90 BPM.

REMEDIAL CEMENT WORK:

SET CIBP AT 2200'. PRESSURE TEST TO 2800 PSI FOR 15 MIN. HELD.

PERFORATE 2020' - 2021' W/4 JSPF, .50 IN. DIAM., CLOSED

SET PACKER AT 1690'. PRESSURE BACKSIDE TO 2000 PSI FOR 15 MIN. CIRCULATE WATER THRU BRADENHEAD UNTIL RETURNS CLEAN UP.

PUMP 290 SX HALLIBURTON LITE CEMENT, TAIL WITH 50 SX. CLASS B WITH 2% CaCL. HOLD 500# ON BACKSIDE. FLUSH WITH 10 BW. CIRCULATE OUT 10 BBLs GOOD CEMENT AT END OF THE JOB.

TAG CEMENT AT 1623'. DRILL OUT CEMENT TO CIBP AT 2200'. PUSH CIBP TO BOTTOM, DRILL UP CIBP. RESET PACKER AT 2457'. PRESSURE TEST ANNULUS TO 1000# FOR 15 MIN. HELD. RAN 2 3/8" TUBING SET AT 3419'.