Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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96 JUL 10 PM 2:56
070 FARMINGTON, NM

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: SF-076337
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other
2. Name of Operator: Amoco Production Company — Pat Archuleta, Rm 1205C
3. Address and Telephone No.: P.O. Box 800 Denver, CO 80201 — (303) 830-5217
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 1650' FNL 1650' FEL, Sec. 9-T29N-R9W, Unit G
8. Well Name and No.: Heath Gas Com B
9. API Well No.: 3004508561
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	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Repair	☐ 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 requests permission to do a bradenhead repair to this well per attached procedures.

If you have any technical questions please contact Stan Kolodzie at (303) 830-4769 or Pat Archuleta at (303) 830-5217 for any administrative concerns.

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JUL 18 1996
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct
Signed Pat Archuleta Title Clerk Date 7-9-96

APPROVED

(This space for Federal or State office use)

Approved by _____ Title _____ Date JUL 12 1996
Conditions of approval, if any:

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.

*See Instructions on Reverse Side

NMOCD

SJOET WELL WORK PROCEDURE

WELL: HEATH GAS COM B1
VERSION: 1
DATE: 4/12/96
BUDGET DRA
REPAIR TYPE Bradenhead Repair

Objectives:

This well is within one mile of the Heath Gas Com J 1E which had a surface gas blow from a anode ground bed well. Charging of the shallow horizons was suspected by wells nearby the Heath Gas Com J1E. A round of Bradenhead tests found only two possible Amoco wells contributing to the problem the Heath Gas Com B 1 and the Heath Gas Com E 1. The Heath Gas Com E 1 had the bradenhead repaired in November 1995. This procedure will locate and fix any casing leaks charging the shallow horizons in the Heath Gas Com B 1.

1. Test for any casing leaks. Locate any casing leaks.
2. Repair any casing leaks. Insure casing integrity.

Pertinent Information:

Location: 1650' FNL & 1650' FEL, Sec 9, T29N, R9W
County: San Juan
State: New Mexico
~~Lease: 290404~~
Well Flac: 92414401

Horizon: Mesa Verde
API #: 3004508561
Engr: Kolodzie
Phone: W - (303) 830-4769
H - (303) 987-0817

Economic Information:

APC WI:	1.00	Prod. Before Repair:	45 MCFD
Estimated Cost:	$35,000	Anticipated Prod:	45 MCFD
Payout:	NA - Regulatory Requirement		
Max Cost - 12 Mo. P.O.	$50,000		
PV15:			
Max Cost PV15:			

Note: Economics will be run on all projects that have a payout exceeding ONE year.

Formation Tops:

Nacimento:		Menefee:	4108'
Ojo Alamo:		Point Lookout:	4544'
Kirtland Shale:		Mancos Shale:	4618'
Fruitland:		Gallup:	
Pictured Cliffs:	2306'	Graneros:	
Lewis Shale:		Dakota:	
Cliff House:	3932'	Morrison:	

Bradenhead Test Information:

Test Date:	**6/5/95**	**Tubing:**	**300**	**Casing:**	**335**	**BH:**	**150**	**INT:**	**0**
Time	BH	Csg		INT	Csg				
5 min									
10 min									
15 min									

Comments:Bradenhead pressure down to nothing in 1 minute.

BRADENHEAD REPAIR
HEATH GAS COM B 1 - Run 78
BLANCO MESA VERDE
SRBU - SAN JUAN OC
April 12, 1996

Purpose:
This well is within one mile of the Heath Gas Com J 1E which had a surface gas blow from a anode ground bed well. Charging of the shallow horizons was suspected by wells nearby the Heath Gas Com J1E. A round of Bradenhead tests found only two possible Amoco wells contributing to the problem the Heath Gas Com B 1 and the Heath Gas Com E 1. The Heath Gas Com E 1 had the bradenhead repaired in November 1995. This procedure will locate and fix any casing leaks charging the shallow horizons in the Heath Gas Com B 1.

Please call Stan Kolodzie at ext. 4769 in Denver if you have any questions.

Current Production:
45 MCFD
Anticipated Production
45 MCFD

Estimated Cost:
$ 35,000 (Gross)
Estimated Payout:
NA - Regulatory Requirement

REQUIRED PERMITS AND APPROVALS BEFORE WORKOVER CAN BEGIN
(Check off as permits are received)

BLM
<> Surface Disturbance - No Permit Required
No surface disturbance is anticipated.

<> Wellbore Changes - PERMIT REQUIRED
Casing will be perfed and squeezed to eliminate leaks.

<> Produced Gas - No Permit Required
Produced gas will be handled as before the workover.

DEQ
<> Surface Discharge - No Permit Required
No surface discharge is anticipated

NOTES:
Well Flac No. = 92414401
Amoco WI = 1.000
Elev. Reference: 5739' GL
Total Royalty = 0.13306

Depths are based on the Schlumberger Gamma Ray / Induction log dated 10/15/53. A copy of the relevant intervals is attached. No Perforating log was available.

Bradenhead Repair
Heath GC B 1 - Run 78
April 12, 1996

Procedure:

1. Check bradenhead pressure. Relay results to Stan Kolodzie in Denver.

2. Move in rig. Rig Up. Nipple up blowout preventer. Install blooie lines.

3. Blow down and control well. This work should be a "Hot Work" repair if possible. WITHIN THE BOUNDARIES OF WORKING REASONABLY SAFELY try to prevent using kill fluids to prevent the fluids from invading the Mesa Verde pay intervals.

4. Pull Mesa Verde 2 3/8" tubing string.

5. Run 4 1/2" bit and scraper and clean out to PBTD at 5405'.

6. Run a GR/CBL over the 7" casing from 3717' to 272'.

7. Run retrievable bridge plug and set in the top of the liner at approx. 3750'. Run work string and packer for 7" casing. Identify and locate any casing leaks, either in the liner top or the 7" casing. Inform Stan Kolodzie in Denver of location of any leaks.

IF THERE IS A LEAK IN THE 7" CASING

8. Set a retrievable bridge plug in the 7", 50' below the leak. Cover the bridge plug with sand.

9. Perforate at the leak with 2 shots.

10. Run cement retainer for 7" casing and set retainer approx 30' above the leak.

11. Squeeze the casing leak with 50 sx cement. Sting out of the retainer when treating presure indicates squeeze is achieved. Cover retainer with a small volume of cement to maintain squeeze pressure while the cement sets.

12 Allow cement to set for 24 hours.

13. Drill out cement retainer and squeeze cement across the previous casing leak.

14. Run work string and packer. Pressure test for casing integrity to 500 psi. Repeat squeeze procedure if squeeze work fails the pressure test.

15. Clean out sand and remove retrievable bridge plug.

IF THE LEAK IS IN THE LINER TOP(SET AT 3717') THE ABOVE PROCEDURE SHOULD BE CHANGED SO THAT THE RETRIEVABLE BRIDGE PLUG IS SET IN THE 5" LINER.

16. Run 2 3/8" production tubing and land at approx. 4650'.

Bradenhead Repair
Heath GC B 1 - Run 78
April 12, 1996

17. Remove BOP. Hook up well to production equipment.

18. Unload well with air unit or Nitrogen if necessary. Flow well to atmosphere with 1/2" or 3/4" choke for 2 hours to estimate gas rate for subsequent report.

19.Take final bradenhead pressures and log date/pressures in CRWS.

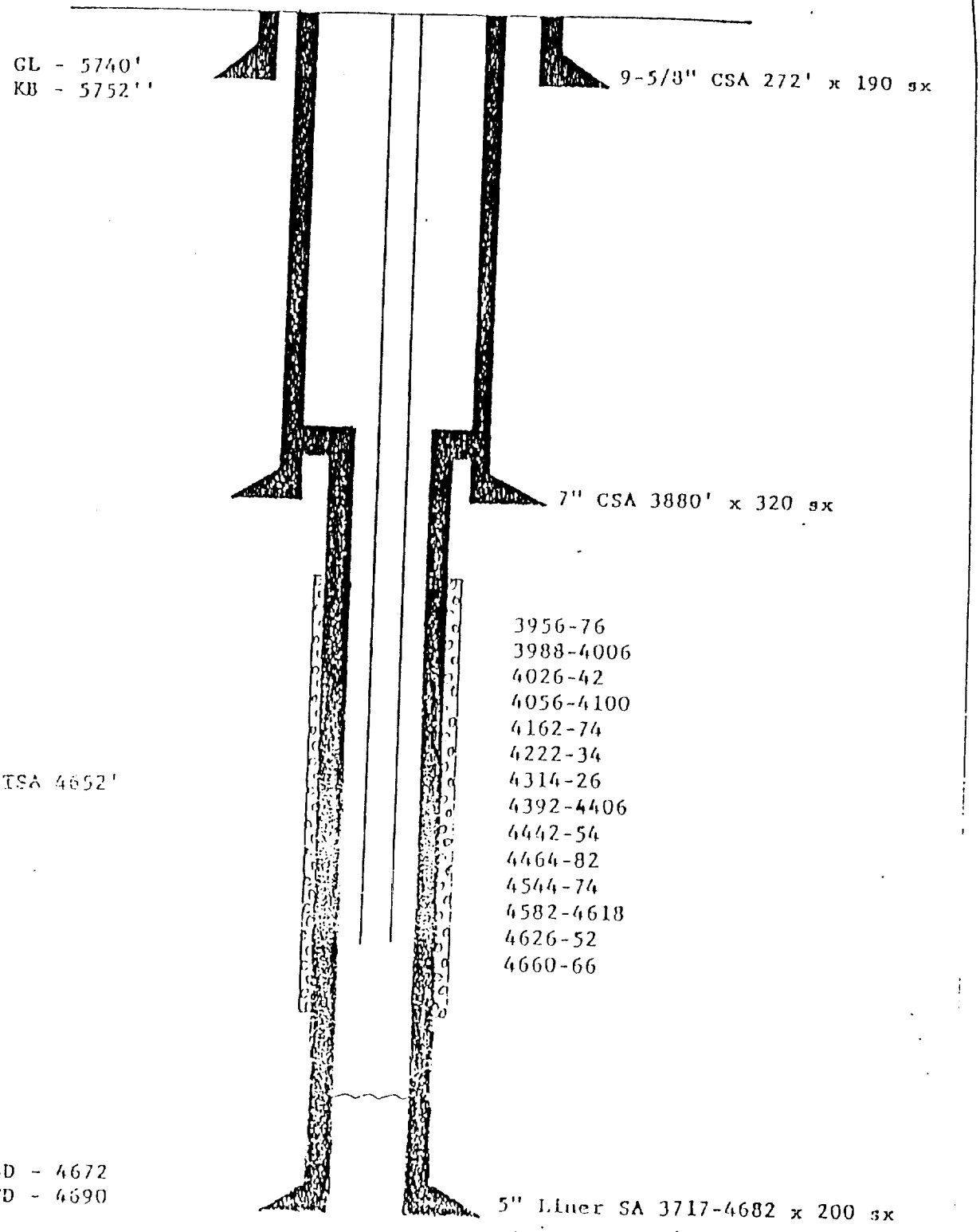
20. RDMO service unit. Return well to production.

AUTHORIZATIONS

ENGINEER _____

PRODUCTION FOREMAN _____

WORKOVER FOREMAN _____



Liner run in 1957
original OH drilled in 1953