Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORT 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.
NM-012647

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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

8. Well Name and No.
Riddle B 1 #2

2. Name of Operator
Amoco Production Company

Attention:
Patty Haefele

9. API Well No.
3004527461

3. Address and Telephone No.
P.O. Box 800, Denver, Colorado 80201 (303) 830-4988

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FSL & 1095' FWL Section 22 T31N R9W Unit L

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 Liner, clean out	☐ 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 perform this workover per the attached procedure.

RECEIVED
OCT 2 0 1996
OIL CON. DIV.
DIST. 3

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

Signed Patty Haefele Title Staff Assistant Date 10/11/96

(This space for Federal or State office use)

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

APPROVED
OCT 2 2 1996
/s/ Duane W. Spencer
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 statement or representations as to any matter within its jurisdiction..

* See Instructions on Reverse Side

NMOCD

SJOET Well Work Procedure

Riddle B 1 #2
Version: #1
Date: October 11, 1996
Budget: Well Repair
Repair Type: Cleanout/Run and perf liner

Objectives:
1. Cleanout fill
2. Run and perf liner; Install new CSG spool w/full opening valves
3. Run 2 3/8" TBG and place well back on production

Pertinent Information:

Location:	1980' FSL x 1095' FWL; 22L-T31N, R09W	Horizon:	FT
County:	San Juan	API #:	30-045-27461
State:	New Mexico	Engr:	Kutas
Lease:	Federal NM-012647	Phone:	H--(303)840-3700
Well Flac:	70317701		W-(303)830-5159
			P--(303)553-6334

Economic Information:

APC WI:	50%	Prod. Before Repair:	1700MCFD
Estimated Cost:	$73,500	Anticipated Prod.:	2200MCFD
Payout:	3.6 Months	Prod. Before Repair	
Max Cost -12 Mo. P.O.	$247M	Anticipated Prod.:	
PV15:			
Max Cost PV15:			

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

Formation Tops: (Estimated formation tops)

Nacimento:		Mesaverde:	
Ojo Alamo:		Point Lookout:	
Kirtland Shale:		Mancos Shale:	
Fruitland:	2890-TD	Gallup:	
Pictured Cliffs:		Graneros:	
Cliff House:		Dakota:	
		Morrison:	

Bradenhead Test Information:
Test Date: **Tubing:** **Casing:** **BH:**

Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

Comments:

Current wellbore info: 7" CSA 2842', OH at 2842-3114', 3 1/2" TSA 2836', fill at approx 2950'; OH underreamed to 9.5" in 5/94
Current flow info: 1700 MCFD, FTP/CP=134/156 psi, LP=130 psi
General observations: 1.Recent video showed fill in wellbore at 2950'. Well has never produced at cavitation test rates.
Short term plans: 1. Clean out fill
2. Run and perf liner; run 2 3/8" tubing

1. MIRURT--to be based on rig availability.
2. ND tree, rig up BOP's w/cavitation capability. Test BOE. TOH w/3.5" tubing (TSA 2836' w/mule shoe on btm. and SN 1 jt off btm.) laying it down. **Note: TBG may be severely corroded and should be handled with care.**
3. Pick up 4.750" drill collars and 3.500" drill pipe with 6.250" bit and clean out fill from 2,950' to total depth 3,114') using air and foam. Stabilize hole as quickly as possible to allow running liner (after reaching TD, trip out to casing shoe and wait for 4-6 hours and check to determine amount of fill and how difficult it is to clean up.
4. Run a blank 4.500" flush joint liner (Hydril 511) from TD back to approx. 2,690'. Install a tri-cone bit on bottom with a float immediately above bit and a Baker Model SLR-P Liner Hanger Packer. Strip in hole and drill to bottom with power swivel if necessary. Hang liner, lay down drill pipe
5. RU HES, RUN GR-CCL to identify correct coal seam depth; TIH and Perforate as follows:

COAL ZONES		PERFORATIONS		
Ignacio #1	2,928 to 2,944'	2,928 to 2,944'	4 jspf	64 holes
Ignacio #2	2,952 to 2,966'	2,952 to 2,966'	4 jspf	56 holes
Cottonwood	2,998 to 3,002'	2,998 to 3,002'	4 jspf	16 holes
Cahn #1	3,047 to 3,052'	3,047 to 3,052'	4 jspf	20 holes
Cahn #2	3,101 to 3,110'	3,101 to 3,110'	4 jspf	36 holes
		Total		**192 holes**

6. Pick up and run 2 3/8"TBG as follows: 1) 1/2 mule shoe
2) 2 3/8" std. SN with retrievable plug in place
3) remainder 2 3/8" TBG

Land bottom of TBG at approximately 3100' or in the mid-lower bottom Cahn seam. Pull retrievable plug. RDMODU. **Turn well over to production. Note: bring well on slowly, well may need swabbing in order to RTP.**

Dependent on speed of hole stabilization, I estimate this procedure to require approximately 4-5 days and to cost approximately $73,500 (see attached AFE form).

If problems are encountered, please contact:

Mike Kutas

(W) (303) 830-5159
(H) (303)840-3700
(P) (303)553-6334