

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 B

21

9. API Well No.

3004527743

10. Field and Pool, or Exploratory Area

FRUITLAND COAL

11. County or Parish, State

San Juan

New Mexico

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Nancy I. Whitaker

3. Address and Telephone No.

P.O. BOX 800 DENVER, COLORADO 80201

303-830-5039

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

1250 FSL

800 FWL

Sec. 13 T 32N R 11W

UNIT M

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 REPAIR

- ☐ 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.)*

AMOCO PRODUCTION COMPANY REQUESTS PERMISSION TO REPAIR THE ABOVE WELL ACCORDING THE ATTACHED PROCEDURES.

FOR TECHNICAL INFORMATION CONTACT KHANH VU 303-830-4920

RECEIVED
APR 14 1997
OIL CON. DIV.
DIST. 3

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

Signed

Title

Staff Assistant

Date

03-26-1997

(This space for Federal or State office use)

Approved by

AS/ Doane W. Spencer

Title

Date

APR 11 1997

Conditions of approval, if any:

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

Barnes B 21

Version: 1
 Date: March 13, 1997
 Budget: Well Repair
 Work Type: run-perf liner

Objectives:

1. Underream lower open hole section
2. Run and perf liner
3. Place well back on production

pertinent Information:

Location:	1250' FSL x 800' FWL; 13M-T32N, R11W	Horizon:	FT
County:	San Juan	API #:	30-045-27743
State:	New Mexico	Engr:	Vu
Lease:	Federal: SF-078039	Phone:	W--(303)840-49
Well Flac:			H-(303)980-632
			P--(303)687-381

conomic Information:

APC WI:	50%	Prod. Before Repair:	1800 mcf/d
Estimated Cost:	\$100,000	Anticipated Prod.:	3100 mcf/d
Payout:	2.5 months		
Max Cost -12 Mo. P.O.	\$470M		
PV15:			
Max Cost PV15:			

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

ormation Tops: (Formation tops)

Nacimiento:		Point Lookout:	
Ojo Alamo:		Mancos Shale:	
Kirtland Shale:		Gallup:	
Fruitland:	2525'	Graneros:	
Pictured Cliffs:		Dakota:	
Cliff House:		PBD:	2950'
Mesaverde:		TD:	2950'

radenhead Test Information:

Test Date: 7/92 Tubing: 310 Casing: 360 BH: 0 psi

Time	BH	CSG	INT	CSG
5 min				

10 min
15 min

Comments:

During the recent workover, Barnes B 21 produced 60 bbl/h of water, something that this well has not shown. The last workover had a liner between the Cahn and Cottonwood seams. This workover will proceed when we have cleared the rapture mating season.

Current wellbore info: 5 1/2" CSA 2600' (sidetrack window), OH @ 2600-PBD', No tbq

Current flow info: 1800 MCFD, FCP=125 psi, LP=119 psi

General observations: 1. Well is declining rapidly after this last workover
2. Well should still have sufficient reservoir pressure to lift up casing

Short term plans: 1. C/O , run liner; place on artificial lift (if needed)

MIRURT--to be based on rig availability

Kill well with 2% KCl water and close full opening master valve

ND tree, rig up BOE's w/cavitation capability. Test BOE

Pick up 3.50" drill collars and 3.500" drill pipe w/ 4.75" bit and clean out to TD @ 2950' using air and foam as little as possible. Underream open hole section from 4.75" to 6.5". 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)

Run a blank 3.500" flush joint liner from TD back to approx. 2,500'. Install a tricone 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

RU lubricator and run guns to perf the following schedule:

<u>COAL ZONE</u>	<u>PERFORATIONS</u>	
Ignacio #1	2,743 to 2,745'	4 jspf 8 holes
Ignacio #2/3/4	2,768 to 2,781'	4 jspf 52 holes
Cottonwood	2,836 to 2,866'	4 jspf 120 holes
Cahn	2,926 to 2,947'	4 jspf 84 holes
	Total	264 holes

Note: Bottom perf interval may be adjusted based on where float collar is landed

Pick up wireline retrievable BP and land BP and shutin full opening master valve

NDBOE

RDMODU

Retrieve BP, swab if necessary

Turn well over to production. If air was used, locked wellhead and notify production that air was used.

Note: bring well on slowly

Dependent on speed of hole stabilization, I estimate this procedure to require approximately 5-6 days and to cost approximately \$100,000 (see attached AFE form). A 320 pump jack if needed, will add \$45M and will be handled under separate AFE..

If problems are encountered, please contact:

Khanh Vu

(W) (303) 830-4920

(H) (303) 980-6324

(P) (303) 687-3819