

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) 830-5129

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

1250 FSL 800 FWL

Sec. ¹³~~31~~ T 32N R 11W

UNIT M

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 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 this well per the attached procedures.

For technical information call Khanh Vu 303-830-4920

RECEIVED
JAN 13 1997

OIL CON. DIV.
DIST. 3

RECEIVED
97 JAN -8 AM 11:14
070 FARMINGTON, NM

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

Signed

Nancy I. Whitaker

Title

Staff Assistant

Date

01-07-1996

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

APPROVED

JAN 09 1997

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.

NMOC

SJOET Well Work Procedure

Barnes B 21

Version: 1st
Date: January 6, 1997
Budget: Repair / Expense
Work Type: Investigate the Cahn seam

Background & Objectives:

This well is a fairway fruitland well. This well has been recavitated. The workover will attempt to view the Cahn seam & determine if it is need to isolated & recavitated.

Pertinent Information:

Location:	1250' FSL & 800' FWL - S13M, T32N, R11W	Horizon:	FT
County:	San Juan	API #:	30-045-27743
State:	New Mexico	Engineer:	Khanh Vu
Lease:	SF-078039	Phone:	W - (303) 830-4920
Well Flac:			H - (303) 980-6324
Flac Lse:			Fax - (303) 830-4777

Economic Information:

APC WI:	50%	MV Pre-Production:	2710 MCFD
Estimated Cost:	\$250,000	MV Post-Production:	3710 MCFD

Assuming 100% success.

Formation Tops:

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

***Note: Estimated formation tops**

Bradenhead Test Information:

Test Date: 00/00 **Tbg:** 000 psi **Int:** 000 psi **Csg:** 000 psi **BH:** 000 psi

Time	BH	INT	CSG
5 min	0	0	0
10 min	0	0	0
15 min	0	0	0

Comments:

Barnes B 21

Orig. Comp. 07/90

TD = 2950' , PBD = 2950'

Federal: SF-078039

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1st Version

1. Inspect location for pit, access, etc.
2. Pick up drillstring/workstring & 400' of 3 1/2" liners (ID 3.068", Drift 2.943")
3. MIRU Rig #56 with blooie lines, 2" flowline off of manifold, sample box catcher
4. NUBOE, kill well w/ produced coal water
5. TIH w/ 4 3/4" bit, bit sub, drill collars and workstring. Cleanout hole to TD (tight hole from 2880-2911'). Rotate and reciprocate until hole is clean. Sweep w/ 10 bbls of water, use as little soap as possible. Make note of returns
6. Pull workstring into 7" csg
7. Perform flow test as follows after unloading well (calibrate all pres gauges before test):
 - a. 1 hour shutin test. Record pres every 15 min
 - b. 1 hour flow down 2" flowline. Record pres at the manifold every 15 min
 - c. 1 hour flow through 3/4" positive choke. Record pres & rate every 15 min
8. TIH w/ 4 3/4" bit, bit sub, drill collars and workstring. Cleanout hole to TD. Rotate and reciprocate until hole is clean. Sweep w/ 10 bbls of water, use as little soap as possible. Make note of fill
9. TIH w/ 400' liner and wireline retrieveable check valve (so circulation can occur if liner is stuck). Liner must be open-ended so a camera can pass through. Land liner @ 2911' (There is a tight spot from 2880-2911') Liner must pass 2860' for this project to work (bottom of Cottonwood is 2856')
10. Retrieve check valve
11. Perform flow test as follows after unloading well (calibrate all pres gauges before test):
 - a. 1 hour shutin test. Record pres every 15 min
 - b. 1 hour flow down 2" flowline. Record pres at the manifold every 15 min
 - c. 1 hour flow through 3/4" positive choke. Record pres & rate every 15 min
12. RU lubricator
13. Run camera
14. RD lubricator
15. If camera results indicate the Cahn seams has not been stimulated (ie. walls are visible in the seams), then proceed to recavitate with liner in the hole. If the Cahn seam has been stimulated, then rig down & move out.
16. TOH w/ liner
17. RDMO Rig #56. Return well to production.

If problems are encountered, please contact:

Khanh Vu

W - (303) 830-4920

Pager - (303) 687-3819

H - (303) 980-6324

Fax - (303) 830-4777

Continuous Fax - (303) 830-4276

Amoco Production Company

ENGINEERING CHART

Sheet No. _____ of _____
File _____

Appn _____

SUBJECT

Barnes B 21

7/90 Complete Date 9/30/96

7/91 Sidetrack By KQV

11/93 Recar

SI Pres 1150# 9/91

Tested 6.5 min cf 11/93

256 - csg

8 5/8", 36#, K-55

FT - 2525'

Seams - 2666' 1'

2690' 2'

2744' 2'

2770' 10'

2837' 19'

5 1/2", 17#, K-55, LT & C (ID 4.892", Dia 4.107")

2580' - top (11/93)

2600' - sidetrack

2632' Underream
2892'

2950' TD

Under ream to 6 1/2"

Cahn - 2928' 17'

Total Net Coal
52'