

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

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.

30-045-27743

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

☐ OIL
WELL

☒ GAS
WELL

☐ OTHER

2. Name of Operator

Amoco Production Company

Mary Corley

3. Address and Telephone No.

P.O. Box 3092 Houston, TX 772533

(281) 366-4491

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

1250' FSL & 800' FWL Sec. 13 T32N R11W 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

Run & Perf Liner

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

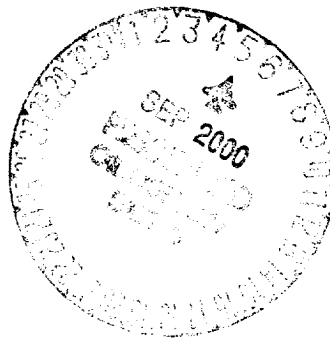
☐ Water Shut-Off

☐ Conversion to Injection

(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 request permission to pull the tubing, clean out hole section, and run & perf liner in the subject well as per the attached procedure.



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

Signed

Title **Sr. Regulatory Analyst**

Date **08/24/00**

(This space for Federal or State office use)

Approved by

Title

Date **8/29/00**

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

NMOCL

Fairway Coal Well Work Procedure

Barnes B 21

Version: Barnesb21Rep.doc
Date: August 24, 2000
Budget: Well Repair
Work Type: run-perf liner

Objectives:

1. Pull TBG and clean out 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:	Kutas
Lease:	Federal: SF-078039	Phone:	W-(281)366-5812
Well Flac:			H-(281)693-3700
			P-(888)907-0916
			F-(281)-366-7099

Economic Information:

APC WI:	50%	Prod. Before Repair:	250 mcfd
Estimated Cost:	\$170,000	Anticipated Prod.:	1200 mcfd
Payout:	4 months		
Max Cost -12 Mo. P.O.			
PV15:			
Max Cost PV15:			

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

Formation Tops: (Formation tops)

Nacimiento:
Ojo Alamo:
Kirtland Shale:
Fruitland: 2525'
Pictured Cliffs: 2954
PBD: 2950'
TD: 2950'

Bradenhead Test Information:

Test Date:	Tubing:	Casing:	BH:	
Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

Comments:

Fairway Coal Well Work Procedure

Barnes B 21

Well Repair

run-perf liner

Objectives:

1. Pull TBG and clean out open hole section
2. Run and perf liner
3. Place well back on production

Current wellbore info: 5 1/2" CSA 3156', ST Window @ 2600-05', O.H. Section 2600-2950', 2 7/8" TSA 2928'

Note: TBG perf'd @ 2845-55' and 2898-2912'

1. MIRURT--AWS Rig #56. ND tree, rig up BOP's w/cavitation capability. Test BOE. TOH and LD 2 7/8" TBG. Circulating with air may be needed to free and recover the TBG.

Note: 2 7/8" TBG landed at 2928' with 4 3/4" bit, sub, and float on bottom. TBG is also perf'd at 2845-55' and 2898-2912'

2. Pick up 3.500" drill collars and 2.875" drill pipe with 4.750" bit and clean out fill to total depth (2,950') 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 hours and check to determine amount of fill and how difficult it is to clean up.

3. Run a blank 4.00" flush joint liner from 2950' back to approx. 2,550' (approx. 50' overlap). Install a tri-cone bit, sub and float on bottom and a TIW JGS 4"x 5 1/2" liner hanger on top. Strip in hole and drill to bottom with power swivel if necessary. Hang liner, lay down drill pipe.

4. RU SOFS, Run GR-CCL and tie into HES open hole Spectral Density log dated 7/27/90 to identify correct coal seam depths; TIH w/ 2 1/8" 60° Ph- 4 JSPF "big hole" gun and perforate as follows:

COAL SEAMS		PERFORATIONS	
Ignacio	2,743-47', 68-80'	2,743 to 2,747'	4 jspf 16 holes
		2,768 to 2,780'	4 jspf 48 holes
Cottonwood	2,836-63'	2,836 to 2,863'	4 jspf 108 holes
Cahn*	2,928-50'	2,928 to 2,950'	4 jspf 88 holes
		Total	260 Holes

*best seam in well

6. Run 2 1/16" IJ and 2 3/8"EUE TBG as follows:
 - 1) Mule shoe
 - 2) 1 J+ 2 1/16" IJ TBG
 - 3) F-nipple with retr. plug in place
 - 4) 11 Jts 2 1/16" IJ TBG
 - 5) 2 1/16" x 2 3/8" X-Over
 - 6) Balance of 2 3/8" EUE TBG

Land bottom of TBG at approximately 2930'. Pull retrievable plug.

7. RDMORT. Turn well over to production.

Amoco Production Company

ENGINEERING CHART

DATE

BARRETS B-21

DATE

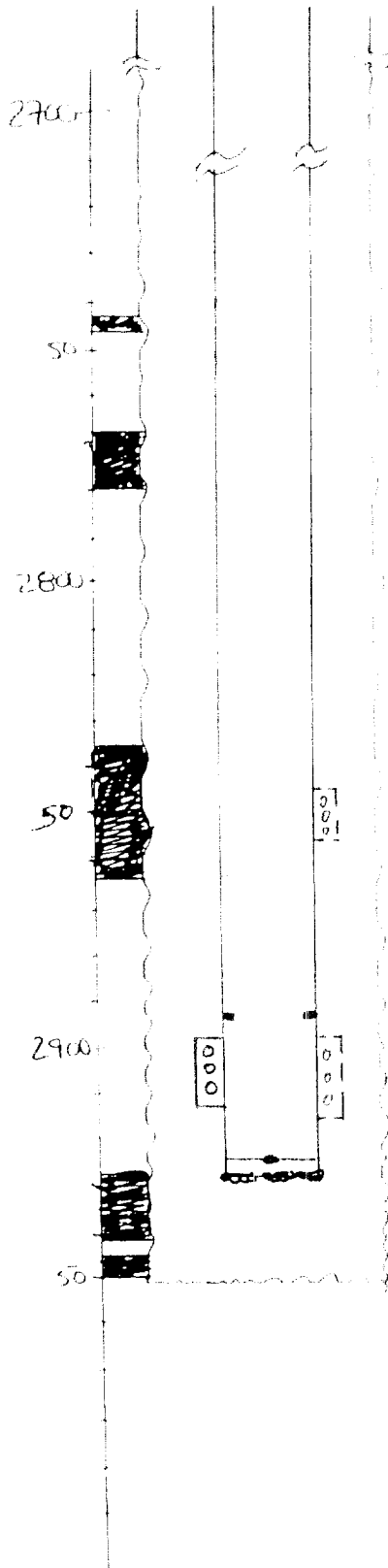
TIME

DATE

TIME

6/17/97

GML



SLIM HOLE 5" x 10" AC
 5 1/2" CSA 30" x 1" 17# K55
 O.H. SRETRAK 2000 @ 2600-05'

COAL DEPTHS COM 2-log

2743 17'

2768 80'

2836 23'

2928 2'

2945 0'

2 7/8" T-A 128.41' (6.5# J)

- TRIP ONE IT
- BIT SUB-FLOAT } 2.5'
- 1 1/2" TBG
- 2 1/8" ST-SN
- Rev 2 1/2" TBG

2 TUP
 @ 29
 29

TBG PERFED @ 2811-2912' 9/4JSFF

- * (1) SHOOT 10' on B
- (2) SHOOT SEAM NAME

Amoco Production Company

ENGINEERING CHART

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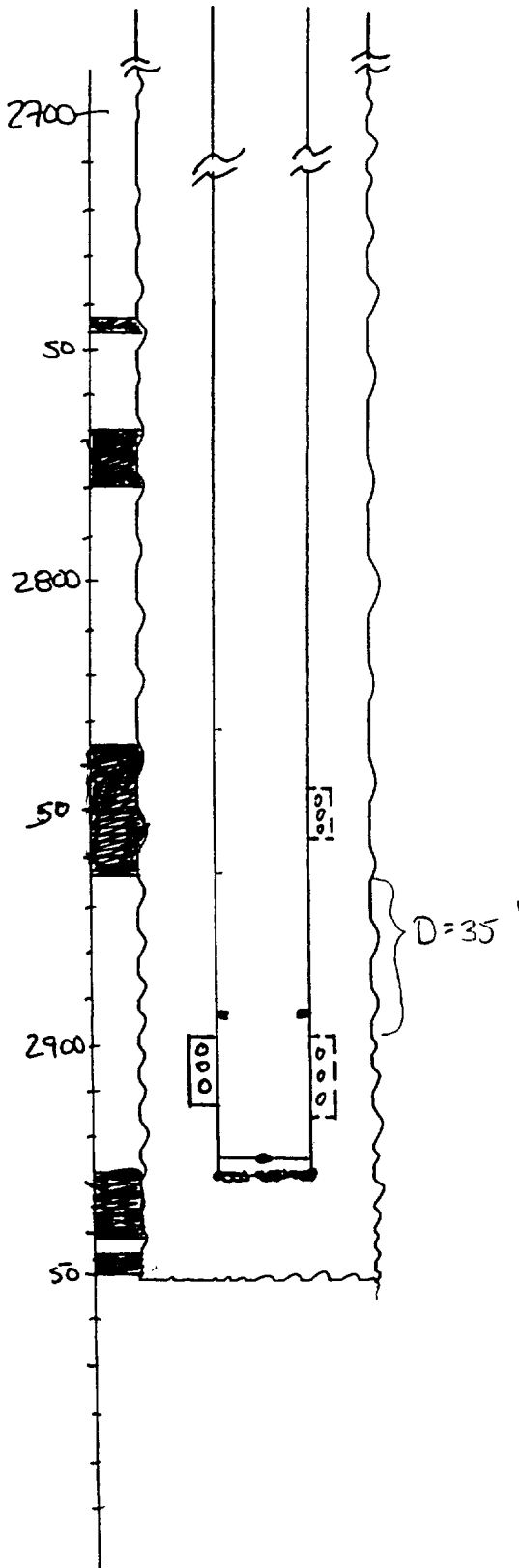
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Appn _____

Date 6/17/99

By GML

SUBJECT BARNES B 21



SLIM HOLE SIDETRACK
5 1/2" CSA 3000' +/- 17# K55
O.H. SIDETRACK WINDOW @ 2600-05'

COAL DEPTHS FROM E-LOG

2743-47'

2768-80'

2836-63'

2928-42

2945-50'

2 7/8" TSA 2928.41' (6.5# J55)

- TRICONE BIT
- BIT SUB + FLOAT } 2.5'
- 1 J + TBG
- 2.28" STD SN
- REM 2 7/8" TBG

± TOP FLOAT SUB
@ 2926
- 2912
14'

TBG PERFOR @ 2898-2912' 4/4 J55F

- * ① SHOOT 10' ON BTM
- * ② SHOOT SCAN NAME 2950'