

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

6. Lease Designation and Serial No.

SF-078566

8. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

UNIT A  
FRUITLAND COAL, NM

8. Well Name and No.

Storey D 2

9. API Well No.

3004523818

10. Field and Pool, or Exploratory Area

Basin Dakota/Basin Fruitland Coal

11. County or Parish, State

San Juan New Mexico

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator Attention:  
Amoco Production Company Patty Haefele

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1180' FNL 800' FEL Sec. 27 T 28N R 8W Unit A

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other P&A Dakota
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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 your permission to recomplete to the Fruitland Coal and plug the Dakota per the attached procedures.

RECEIVED  
DEC 18 1995  
OIL CON. DIV  
DIST. 3

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

Signed Patty Haefele Title Staff Assistant Date 12-06-1995

(This space for Federal or State office use)

APPROVED

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date DEC 11 1995

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 statements or representations as to any matter within its jurisdiction.

NMOC

DISTRICT MANAGER

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 811 South First, Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals & Natural Resources Department

*(Handwritten mark)*

Form C-102  
 Revised October 18, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

RECEIVED  
 07/19/95

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-23818		1 Pool Code 71629		1 Pool Name Basin Fruitland Coal	
4 Property Code 001141		4 Property Name Storey D			4 Well Number 2
1 OGRID No. 000778		1 Operator Name Amoco Production Company			1 Elevation

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
A	27	28N	8W		1180	North	800	East	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
---------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16		17 OPERATOR CERTIFICATION
		<p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p><i>Patty Haefele</i>          Signature          Patty Haefele          Printed Name          Staff Assistant          Title          Dec. 6, 1995          Date</p>
		18 SURVEYOR CERTIFICATION
	<p>RECEIVED          DEC 18 1995          OIL CON. DIV.          DIST. 3</p>	<p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>July 19, 1979          Date of Survey          Signature and Seal of Professional Surveyer:          on file          Certificate Number          3950</p>



# SJOET Well Work Procedure

Wellname: Storey D 2  
 Version: #1  
 Date: Nov. 8, 1995  
 Budget: Major Cash  
 Workover Type: Recompletion

RECEIVED  
 01 DEC 1995  
 05 DEC -0 10:11:48  
 070 FARMER ST., P.O.

### Objectives:

1. Check for and eliminate casing leaks.
2. Determine TOC and do remedial cementing if necessary.
3. Recomplete to the FT coal formation using liquid CO2 as propant carrier for frac.
4. Plug and abandon DK formation.

### Pertinent Information:

Location:	1180' FNL, 800' FEL, 27-28N-8W	Horizon:	DK
County:	San Juan	API #:	30-045-23818
State:	New Mexico	Engr:	Mark Rothenberg
Lease:	Federal # SF-078566	Phone:	W--(303)830-5612
Well Flac:			H--(303)696-7309

### Economic Information:

APC WI:	100%	DK Prod.	< 10 MCFD
Estimated Cost:	\$120,000	FT Anticipated Prod.:	115 MCFD

NOTE: DOE is funding 1/2 of the frac. costs. Also included in above number is cost to PXA DK which should be DRA monies. Anticipated costs to Amoco for FT recompletion only is \$50,000.

### Formation Tops: (Estimated formation tops)

Nacimiento:		Menefee:	4304
Ojo Alamo:		Point Lookout:	4770
Kirtland Shale:		Mancos Shale:	5170
Fruitland:		Gallup:	5970
Pictured Cliffs:		Greenhorn:	
Lewis Shale:		Graneros:	6770
Chacra:		Dakota:	6880
Cliffhouse:	4190	Morrison:	

### Bradenhead Test Information:

Test Date: 9/17/92    Tubing: 355psi    Casing: 481psi    BH: 9psi

**Suggested Procedure:**

1. Check location for anchors. Install if necessary. Test anchors.
2. MIRUSU. Blow down well. Kill, if necessary.
3. POOH with 2 3/8" tbg. RHH with tbg and cement retainer, set retainer at 6775'. Squeeze perfs at 6833' to 7052' with 75' cuft cement. Pull out of retainer and spot 100' cement plug on top.
4. Pressure test casing to 3500#. Isolate any leaks found but run CBL before doing any remedial cementing.
5. Run CBL/CCL/GR from 3400' to surface and fax to Mark Rothenberg (DENVER 303-830-4264) to determine if any remedial cementing is required to ensure zonal isolation or repair any casing leaks.
6. Run cased hole neutron from 3000' to 1000' and fax to Mark Rothenberg at above #.
7. Unload hole. WELL SHOULD BE COMPLETELY DRY BEFORE EXPOSING FT FORMATION.
8. Perf FT coal with 4 JSPF at intervals determined from neutron log.
9. Frac well using attached liquid CO2 frac procedure.
10. Flow well back on 1/4" choke for 4-8 hours following frac then change to a 1/2" choke until pressure subsides.
11. When sand production stops, tag sand. DO NOT CLEAN OUT WITH ANY LIQUIDS.
12. If clean out is necessary use dry nitrogen to clean out to 50' below bottem perf.
12. TIH with 2 3/8" tubing, 1/2 mule shoe on bottem and seating nipple 1 joint off bottem.
13. RDMOSU and turn well over to production.

**Note: Since this procedure involves recompletion and DRA expenditures, please be sure to label all invoices accordingly so that costs can be accounted for properly. Also, be sure to lable all invoices associated directly with the frac so it can be properly billed to the DOE.**

*If problems are encountered, please contact:*

**MARK ROTHENBERG**

**(W) (303) 830-5612**

**(H) (303) 696-7309**

# Amoco Production Company

## ENGINEERING CHART

Sheet No \_\_\_\_\_ of \_\_\_\_\_  
 File \_\_\_\_\_  
 Appn \_\_\_\_\_  
 Date 11/8/45  
 By MDR

SUBJECT STOREY D 2

