

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
MAIL ROOM

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

FEB 12 AM 9:32  
DENVER, CO  
DENVER, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator: Amoco Production Company  
 Attention: 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)  
 2300' FSL 790' FEL Sec. 28 T 28N R 8W Unit I

5. Lease Designation and Serial No.  
 NM-012200

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
 Dryden LS 1A

9. API Well No.  
 3004526556

10. Field and Pool, or Exploratory Area  
 Blanco Mesaverde/Otero Chacra

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
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input 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 checked="" type="checkbox"/> Other <u>Bradenhead Repair</u>
	<input type="checkbox"/> Change of Plane
	<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 permission to perform a bradenhead repair per the attached procedure.

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FEB 14 1996  
DISTRICT MANAGER

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

Signed Patty Haefele Title Staff Assistant Date 02-08-1996

(This space for Federal or State office use)

APPROVED

Approved by \_\_\_\_\_ Title \_\_\_\_\_  
 Conditions of approval, if any:

FEB 14 1996  
Dorcas Spain  
 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 representations as to any matter within its jurisdiction.



# SJOET Well Work Procedure

Wellname: Dryden LS 1 A  
 Version: #1  
 Date: Feb. 7, 1996  
 Budget: DRA/Repair  
 Workover Type: Bradenhead repair

### Objectives:

Recently failed a bradenhead test (flowed water).

1. CBL will be run to locate TOC.
2. Bradenhead and any casing leaks will be repaired.
3. MV will be reperforated.
4. Packer will be milled out and CK and MV will be commingled.

### Pertinent Information:

Location:	2300' FSL, 790' FEL, 128-28N-8W	Horizon:	CK/MV dual
County:	San Juan	API #:	30-045-26556
State:	New Mexico	Engr:	Mark Rothenberg
Lease:	Federal # NM-012200	Phone:	W--(303)830-5612
Well Flac:	9798800		H--(303)696-7309
Lease Flac:	698828		P--(303) 553-6448

### Economic Information:

APC WI:	100%	CK Prod. Before Repair:	55 MCFD
Estimated Cost:	\$42,500	MV Prod. Before Repair:	155 MCFD
Payout:	9 months		
Max Cost -12 Mo. P.O.	\$54 M	Total Anticipated Prod.:	235

**\*Note:** *Economics run based upon 235 MCFD production vs 0 MCFD.*

### Formation Tops: (Estimated formation tops)

Nacimiento:		Menefee:	3908
Ojo Alamo:	1244	Point Lookout:	4460
Kirtland Shale:	1400	Mancos Shale:	
Fruitland:	1980	Gallup:	
Pictured Cliffs:	2231	Greenhorn:	
Lewis Shale:	2312	Graneros:	
Chacra:	3156	Dakota:	
Cliffhouse:	3843	Morrison:	

### Bradenhead Test Information:

Test Date: 8/18/95 Tubing: 260psi Casing: 262psi BH: 5psi

Time	BH	CSG	BH	CSG
5 min	0	262	20 min	0
10 min	0	262	25 min	0
15 min	0	262	30 min	0

Comments: Flowed water, but no pressure.

**Wellname: Dryden LS 1 A**

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**Suggested Procedures (BH#3procedures):**

1. Contact Federal or State agency prior to starting repair work.
2. Catch gas and/or water sample off of bradenhead and casing, and have analyzed.
3. Move in CTU, circulate hole above packer clean, pull 1.25" coiled tubing.
4. Install and/or test anchors.
5. MIRUSU. Check and record tubing, casing and bradenhead pressures.
6. Blow well down, kill well if necessary with 2% KCL.
7. Nipple down well head, nipple up and pressure test BOP's.
8. Tally out of hole with tubing and seal assembly checking condition of tubing. Retrieve packer, if packer will not unseat or gets stuck, run in hole with bit and mill/pluck packer out of hole.
9. Trip in the hole with bit and scraper for the intermediate casing and trip in to the top of the Chacra perforations (3165'). Trip out of the hole with bit and scraper. Trip in hole with second bit and scraper and run from the top of the liner to the top of the MV perforations (3880'). A seating nipple and standing valve may be run in order to pressure test the tubing.
10. Trip in the hole with RBP and PKR. Set RBP at 2000'. Trip out of hole one joint and set PKR and pressure test RBP to 1500 psi. Release PKR, spot sand on RBP and pressure test csg to 1000 psi. If no leak is found, trip out of hole with PKR and skip to step 11.
11. Trip out of hole isolating leak, establish injection rate and check for circulation. Trip out of hole with PKR.
12. Run CBL from 2000' to surface under 1000 psi and fax to Mark Rothenberg in Denver.
13. Based on the location of any leaks, and the results of the CBL, perforate casing if necessary with 4 JSPF and circulate dye if possible to determine cement volume. Depending on the depth of the hole and circulating pressure, a PKR or a cement retainer may be needed.
14. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to circulate to surface, if circulation to surface is possible. Shut bradenhead valve and attempt to obtain a squeeze pressure and WOC.
15. Trip out of hole. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leaks if casing fails pressure test.
16. If cement is not circulated to the surface, it may be necessary to run another CBL (and/or temperature survey 8-10 hours after cementing) and repeat steps 13 thru 15.
17. Trip in the hole with retrieving head for RBP, circulate sand off of RBP and trip out of hole with plug.
18. Trip in hole with a sawtooth collar and/or bailer and clean out to PBTD and trip out of hole.
19. Perforate following MV intervals with 2 JSPF:  

<b>4528-4548</b>	<b>4602-4608</b>	<b>4613-4618</b>	<b>4622-4626</b>
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20. Trip in the hole with the production string (1/2 mule shoe on bottom and a seating nipple one joint off bottom), land tubing to original depth (4559'). Nipple down BOP's, nipple up well head.
21. Swab well in and put well on production.
22. Rig down move off service unit.
23. Take final bradenhead pressures and log date/pressures in CRWS.

***If problems are encountered, please contact:***

***MARK ROTTENBERG  
(W) (303) 830-5612  
(H) (303) 696-7309  
(P) (303) 553-6449***

