

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

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BUREAU MAIL ROOM  
MAR 11 1996

5. Lease Designation and Serial No.
SF-079232
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement Designation
8. Well Name and No.
Bolack C LS 1
9. API Well No.
3004506273
10. Field and Pool, or Exploratory Area
South Blanco Pictured Cliffs
11. County or Parish, State
San Juan New Mexico

1. Type of Well
<input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator
Amoco Production Company
Attention:
Patty Haeefe
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)
990' FNL 990' FEL Sec. 28 T 27N 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"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Bradenhead Repair	<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 on this well per the attached procedure.

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DIST. 3

14. I hereby certify that the foregoing is true and correct			
Signed	Patty Haeefe	Title	Staff Assistant
		Date	02-16-1996
(This space for Federal or State office use)			
Approved by		Title	
Conditions of approval, if any:			

APPROVED

MAR 04 1996

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 statement or representations as to any matter within its jurisdiction.

NMOC



## SJOET Well Work Procedure

**Wellname:** Bolack C LS 1  
**Version:** #1  
**Date:** Feb. 15, 1996  
**Budget:** DRA  
**Workover Type:** Bradenhead repair

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### Objectives:

Recently failed a bradenhead test (flowed water).

1. Casing configuration will be determined.
2. CBL will be run to locate TOC.
3. Bradenhead and any casing leaks will be repaired.
4. Tubing will be landed at original depth and well returned to production.

**NOTE:** Since it is unknown whether there is a liner or two strings of casing, BH procedure #2 will be used.(attached)

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### Pertinent Information:

Location:	990' FNL, 990' FEL, A28-27N-8W	Horizon:	PC
County:	San Juan	API #:	30-045-06273
State:	New Mexico	Engr:	Mark Rothenberg
Lease:	Federal # SF-079232	Phone:	W--(303)830-5612
Well Flac:	9784230		H--(303)696-7309
Lease Flac:	698808		P--(303)553-6449

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### Economic Information:

APC WI:	100%	PC Prod. Before Repair:	60 MCFD
Estimated Cost:	\$48,000	PC Anticipated Prod.:	60 MCFD
Payout:	42 months		
Max Cost -12 Mo. P.O.	\$13,386		

**\*Note:** *Economics run based upon 60 MCFD production vs 0 MCFD.*

**\*Note:** *Because this is a BH repair and payout will occur within life of well, work will be performed.*

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### Formation Tops: (Estimated formation tops)

Nacimiento:  
Ojo Alamo: 1315  
Kirtland Shale: 1400  
Fruitland: 1812  
Pictured Cliffs: 2110

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### Bradenhead Test Information:

**Test Date:** 8/16/95    **Tubing:** 105psi    **Casing:** 140psi    **BH:** 3psi

**Comments:** Flowed water, but no pressure.

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**Suggested Procedures:**

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. Install and/or test anchors.
4. MIRUSU. Check and record tubing, casing and bradenhead pressures.
5. Blow well down, kill well if necessary with 2% KCL.
6. Nipple down well head, nipple up and pressure test BOP's.
7. Trip in the hole and tag PBTD, check for fill, trip and tally out of hole with tubing checking condition of tubing.
8. Trip in the hole with bit and scraper to the top of the perforations. A seating nipple and standing valve may be run in order to pressure test the tubing.
9. Trip in the hole with RBP and PKR. Set RBP 50-100 ft. above perforations (2050). Trip out of hole one joint and set PKR and pressure test RBP to 1500 psi. Release PKR and pressure test csg to 1000 psi. If no leak is found, spot sand on RBP, trip out of hole and skip step 10.
10. Trip out of hole isolating leak in casing. NOTE: Once leak is located contact Mark Rothenberg in Denver at (303) 830-5612. Spot sand on RBP and trip out of hole with PKR.
11. Determine from well file and history if a CBL needs to be run from the top of RBP to bottom of intermediate casing shoe. If this is needed, run CBL under 1000 psi and report results to Denver.
12. Bleed off any intermediate casing pressure and check for flow, fill annulus with 2% KCL water. Nipple down BOP's and tubing head, spear casing and remove slips, nipple up BOP's.
13. Run freepoint and back off casing as deep as possible but not below the intermediate casing shoe. Trip out of hole laying down and checking condition of casing.
14. Trip in the hole with bit and scraper to top of casing back off, circulate hole clean and trip out with scraper.
15. Trip in the hole with RBP and PKR and set RBP above casing backoff, trip out of hole one joint and set PKR and pressure test RBP.
16. Release packer and trip out of hole isolating leak in casing.
17. NOTE: IF this can not be accomplished contact Mark Rothenberg in Denver 830-5612.
18. Release PKR and spot sand on RBP and trip out of hole.
19. Run, if necessary a CBL & CCL to determine cement top on the intermediate casing.
20. Perforate casing, if necessary, with 4 JSPF and circulate dye to determine cement volume. Depending on the depth of the hole and circulating pressure, a PKR or a cement retainer may be needed.

**Wellname: Bolack C LS 1**

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21. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to circulate to surface. Shut bradenhead valve and attempt to obtain a squeeze pressure and WOC.
22. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leaks if casing fails pressure test.
23. Trip in the hole with retrieving head for RBP, circulate sand off of RBP and trip out of hole with plug.
24. Trip in the hole with casing and tag casing backoff. Circulate the top of the back off clean with 2% KCL water. Circulate PKR fluid to fill annulus if no additional squeeze work is required. This will be determined from the previous CBL run. Tie back onto production casing and pressure test casing.
25. Nipple down BOP's and tubing head, set slips and make cut off. Install tubing head and BOP's and pressure test.
26. Trip in the hole with retrieving head for RBP, circulate sand off of RBP with 2% KCL and trip out of hole with plug.
27. Trip in hole with a sawtooth collar and/or bailer and clean out to PBTD and trip out of hole.
28. 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. Nipple down BOP's, nipple up well head.
29. Swab well in and put well on production.
30. Rig down move off service unit.
31. Take final bradenhead pressures and log date/pressures in CRWS.

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

***MARK ROTHENBERG***

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

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

***(P) (303) 553-6448***