

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. <b>SF-079346 A</b>
2. Name of Operator <b>Amoco Production Company</b>		6. If Indian, Allottee or Tribe Name
Attention: <b>Patty Haeefe</b>		7. If Unit or CA, Agreement Designation
3. Address and Telephone No. <b>P.O. Box 800, Denver, CO 80201 (303) 830-4988</b>		8. Well Name and No. <b>Gallegos Canyon Unit 273</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>950' FNL 1770' FWL Sec. 32 T 28N R 12W Unit C</b>		9. API Well No. <b>3004522238</b>
		10. Field and Pool, or Exploratory Area <b>Pictured Cliffs</b>
		11. County or Parish, State <b>San Juan New Mexico</b>

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 <b>Bradenhead Remediation</b>	<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 bradenhead work on this well per the attached procedure.

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

Signed

*Patty Haeefe*

Title

Staff Assistant

Date

05-29-1996

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

**APPROVED**

**MAY 31 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, fictitious, or fraudulent representations as to any matter within its jurisdiction.

AMOCO

## SJOET Well Work Procedure

Wellname: GALLEGOS CANYON UNIT #273  
Version: 1  
Date: May 29, 1996  
Budget: DRA/Repair Well Expense  
Repair Type: Bradenhead Remediation

### Objectives:

1. Remediate steady flow of gas to insure zonal isolation behind casing
2. Place well back on production
- 3.

### Pertinent Information:

Location: C32 28N 12W , 950 FNL; 1770 FWL  
County: San Juan  
State: New Mexico  
Lease:  
Well FLAC: 886543

FM: PC  
API: 3004522238  
Engr: Mark Yamasaki  
Phone: H--(303)202-0361  
W--(303)830-5841

TD: 1358 PBTID: 1243

### Economic Information:

APC WI: .5181  
Estimated Cost: \$35,000

Prod. Before Work: MCFD MCFD  
Anticipated Prod.:

Payout:  
Max Cost-12 Mo. P.O.:  
PV 15: \$M  
Max Cost PV 15: \$M

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

### Formation Tops:

Nacimiento:		Menefee:
Ojo Alamo:		Pt Lookout:
Kirtland Shale:		Mancos Shale:
Fruitland:	785	Gallup:
Pictured	1212	Granceros:
Lewis Shale:		Dakota:
Cliff House:		Morrison:

### Bradenhead Test Information:

Test Date: 4/08/96 Tubing: Casing: 28 BH: 86

Time	BH	CSG	INT	CSG
5 min:		28		
10 min:		28		
15 min:		28		

Comments: Steady flow of gas.

Well Name: GALLEGOS CANYON UNIT      Number: 273  
Date: May 29, 1996  
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SUGGESTED PROCEDURE:

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 on location.
4. MIRUSU. Check and record tubing, casing and bradenhead pressures.
5. Blow down well and kill well, if necessary, with 2% KCL water.
6. ND wellhead. NU and pressure test BOP's.
7. TIIH and tag PBTD, check for fill. Trip and tally out of hole with tubing, checking condition of tubing.
8. TIIH with bit and scraper to top of perforations. A seating nipple and standing valve may be run in order to pressure test tubing TOH.
9. TIIH with RBP and packer. Set RBP 50-100 ft. above perforations. TOH one joint and set packer. Pressure test RBP to 1500 psi.
10. Pressure test casing above packer. Isolate leak, if any, by moving packer up the hole and repeating pressure test.  
NOTE: If this can not be accomplished, contact Mark Yamasaki in Denver at (303) 830-5841.
11. Establish injection rate into leak, if found, and attempt to circulate to surface.
12. Release packer, spot sand on RBP and TOH with packer.
13. Run, if necessary, a CBL and CCL to determine cement top.
14. Perforate casing above cement top, if necessary, with 4 JSPF and circulate dye to determine cement volume.
15. Depending on depth of hole and circulating pressure, a packer or cement retainer may be needed.
16. Mix and pump sufficient cement (Class B or equivalent, with a setting time of 2 hours) to circulate to surface. Shut bradenhead valve and attempt to walk squeeze to obtain a 1000 psi squeeze pressure. WOC.
17. TIIH with bit and scraper and drill out cement. Pressure test casing to 1000 psi. TOH with bit and scraper.
18. TIIH with retrieving head for RBP. Circulate sand off of RBP and TOH with RBP.
19. TIIH with sawtooth collar and/or bailer and clean out hole to PBTD, if fill was found in step 7. TOH.
20. TIIH with production string (1/2 mule shoe on bottom and seating nipple one joint off bottom) and land tubing to original depth. NDBOP. NU wellhead.
21. Swab well in and put on production.

22. RDMOSU.

23. Take final bradenhead pressures and log date/pressures in CRWS.

STATE OF NEW MEXICO  
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

**BRADENHEAD TEST REPORT**

(Submit 2 copies to above address)

Date of Test 4/8/96 Operator BHP PETROLEUM (AMERICAS) INC.

Lease Name Gallegos Canyon Unit Well No. 272 Location: Unit C Section 32 Township 28N Range 12W

Pressure (Shut-in or Flowing) \_\_\_\_\_ Tubing \_\_\_\_\_ Intermediate \_\_\_\_\_ Casing 28 Bradenhead 86

**OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH**

TIME	PRESSURES:			BRADENHEAD FLOWED	INTERMEDIATE FLOWED
	INTERMEDIATE	CASING			
5 min.		<u>28</u>	Steady Flow	<u>XX</u>	
10 min.		<u>28</u>	Surges		
15 min.		<u>28</u>	Down to Nothing		
20 min.			Nothing		
25 min.			Gas	<u>XX</u>	
30 min.			Gas & Water		
			Water		

If Bradenhead flowed water, check description below:

CLEAR \_\_\_\_\_ FRESH \_\_\_\_\_ SALTY \_\_\_\_\_ SULFUR \_\_\_\_\_ BLACK \_\_\_\_\_

REMARKS:

By E. E. Martin Witness \_\_\_\_\_

Position Production Foreman