Form 3160-5
(June 1990)

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
NM 013686

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

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DIST. 3

8. Well Name and No.
Pritchard B 2

2. Name of Operator
Amoco Production Company

9. API Well No.
3004510165

3. Address and Telephone No.
200 Amoco Court Farmington, NM (505) 326-9200

10. Field and Pool, or Exploratory Area
Mesaverde

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 34, T31N-R9W Unit B

11. County or Parish, State
San Juan, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Bradenhead repair	☐ 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.)*

Please refer to the attached procedure and wellbore schematic for proposed bradenhead repair.

Technical questions can be directed to Gary Munson at (505) 326-9443.

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

Signed Janet Ray Title Technical Assistant Date 12/14/99

(This space for Federal or State office use)

Approved by /s/ Stephen Mason Title Acty Team Lead Date 12/20/99
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 Instruction on Reverse Side

San Juan Basin Well Work Procedure

Well Name: **Pritchard B 2**
Version: #1
Date: **12/14/99**
Budget: DRA
Repair Type: **Bradenhead Type 2**
SAP Project:

Objectives:

1. Repair bradenhead.

Pertinent Information:

Location:	Unit B, Sec. 34, T31N-R9W	Horizon:	Mesaverde
County:	San Juan	API #:	3004510165
State:	New Mexico	Engr:	Munson
Lease:	NM NM013686	Phone:	W (505) 326-9443
Well Flac:	978765		
Lease Flac:	698903		

Economic Information:

APC WI:	50%
Estimated Cost:	$31,000

Formation Tops: (Estimated formation tops)

Nacimento:		Menefee:	4,712'
Ojo Alamo:		Point Lookout:	5,140'
Kirtland Shale:		Mancos Shale:	
Fruitland:		Gallup:	
Pictured Cliffs:		Graneros:	
Lewis Shale:		Dakota:	
Chacra:		Morrison:	
Cliff House:	4,600'		

Bradenhead Test Information:

Test Date: 6/14/99 **Tubing:** 96 **Casing:** 140 **BH:** 82

Time	BH	CSG	INT	CSG
5 min	TSTM	140	1	
10 min	TSTM	140	1	
15 min	TSTM	140	1	

Comments: Bradenhead blew down in 1 minute, started flowing gas and water at 10 minutes, surges of gas and water for remainder of test. Intermediate blew down in 1 ½ minutes, surged water for 2 minutes.

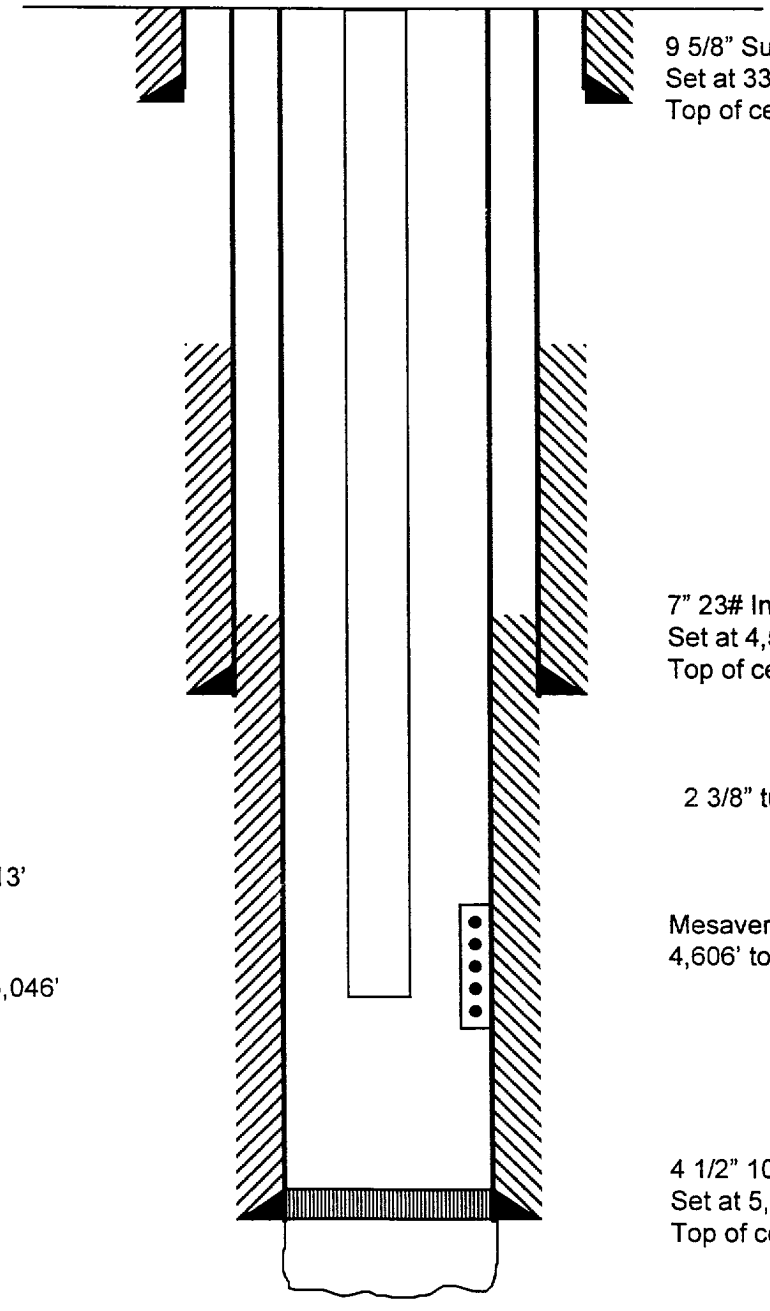
Bradenhead Procedure - Type 2 (3 strings of casing)

1. Contact Federal or State agency prior to starting repair work.
2. Check location for anchors. Install if necessary. Test anchors.
3. MIRUSU. Check and record tubing, casing and bradenhead pressures.
4. Blow well down.
5. Nipple down well head, nipple up and pressure test BOP'S.
6. TIH and tag PBTD, check for fill, trip and tally out of hole with tubing checking condition of tubing.
7. TIH with RBP and PKR. Set RBP 50-100 ft. above perforations. TOH one joint and set PKR and pressure test RBP to 1500 psi. Release PKR and pressure test casing to 1000 psi. If no leak is found, spot sand on RBP, TOH and skip step 8.
8. TOH isolating leak in casing. Spot sand on RBP and TOH with PKR.
9. Bleed off any intermediate casing pressure and check for flow. Nipple down BOP's and tubing head, spear casing and remove slips, nipple up BOP'S.
10. Run freepoint and back off casing as deep as possible but not below the intermediate casing shoe. TOH laying down and checking condition of casing.
11. TIH with RBP and PKR and set RBP above casing backoff, TOH one joint and set PKR and pressure test RBP.
12. Release packer and TOH isolating any leaks in casing. Spot sand on RBP.
13. Run a CBL & CLL to determine cement top on the intermediate casing under pressure.
14. Perforate squeeze holes in casing and determine cement volume.
15. 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.
16. TIH with bit and scraper and drill out cement and pressure test casing.
17. Re-squeeze leaks if casing fails pressure test.
18. TIH with retrieving head for RBP, circulate sand off of RBP and TOH with plug.
19. TIH with casing and tag casing backoff. Circulate the top of the back off. Tie back onto production casing and pressure test casing.
20. Nipple down BOP's and tubing head, set slips and make cut off. Install tubing head and BOP's and pressure test.
21. TIH with retrieving head for RBP, circulate sand off of RBP and TOH with plug.
22. TIH with the production string (1/2 mule shoe on bottom and a seating nipple one joint off bottom), land tubing to depth specified. Nipple down BOP'S, nipple up well head.
23. Swab well in and put well on production.
24. RDMOSU.

Pritchard B 2

B34 T31N-R9W
API 3004510165
NM013686

Wellbore Schematic



9 5/8" Surface Casing
Set at 336'
Top of cement - surface

7" 23# Intermediate Casing
Set at 4,507'
Top of cement - 3,400'

2 3/8" tubing set at 5,155'

Cliff House: 4,313'

Menefee: 4,717'

Point Lookout: 5,046'

Mesaverde perforations:
4,606' to 5,158'

PBTD: 5,170'

4 1/2" 10.5# J-55 Production Casing
Set at 5,226'
Top of cement - 4,225'

TD: 5,272'

Not to scale

12/14/99
jkr

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
http://emnrd.state.nm.us/ocd/District III/3distric.htm

GARY E. JOHNSON
Governor

Jennifer A. Salisbury
Cabinet Secretary

October 26, 1999

Mr. Buddy Shaw
BP/Amoco
SJ Oper Ctr
200 S Amoco Court
Farmington NM 87401

GOM

Re: Pritchard B #2 well located B-34-31N-09W, API No. 30-045-10165

CAN you look at this Buddy

Dear Mr. Shaw:

A recent braden head inspection of the referenced well revealed a constant water flow. A 24 hour flow test was conducted and the intermediate casing annulus pressured up to 248# from 0#. This and a surface probe around the well head indicates that there is a problem. The problem is not from a casing leak in the well, because the casing pressure of the referenced well stayed at 134# throughout the test.

A review of our records and calculation of the cement top behind the 7" casing indicates that the Fruitland Coal is not covered behind pipe. This condition can cause coal gas to desorb and rise to the surface around a well casing that is uncemented across the Fruitland Coal Formation. The well is offset by a producing Basin Fruitland Coal well that is located approximately 375 feet to the East and is a likely source for the intermediate casing pressure and the 100% lower level gas content that was read by probing the soil around the referenced well.

You are hereby directed to evaluate this condition and submit a plan to this office to remediate the problem within 60 days of the date of this letter.

Yours truly,

Ernie Busch

Ernie Busch
District Geologist/Deputy O&G Inspector

EB/mk
Xc: Frank Chavez
Charlie Perrin
Rand Carroll
Joe Hewitt-Farmington BLM