

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION  
P.O. Box 2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

Santa Fe, New Mexico 87504-2088

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.

3004507670

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

2. Name of Operator

Attention:

Amoco Production Company

Lori Arnold

8. Well No.

169

3. Address of Operator

P.O. Box 800

Denver

Colorado

80201

9. Pool name or Wildcat

Basin Dakota Gas

4. Well Location

Unit Letter : 2360 Feet From The South Line and 1115 Feet From The East Line

Section

35

Township

29N

Range

12

NMPM

San Juan

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

5377' GR

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: Bradenhead Repair

☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Amoco Production Company requests permission to perform a bradenhead remediation workover to eliminate bradenhead pressure. See attached procedures.

If you have any questions please contact Lori Arnold at (303) 830-5651.

RECEIVED  
JUN 3 1993  
OIL CON. DIV  
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Lori Arnold

TITLE

Business Analyst

DATE 05-27-1993

TYPE OR PRINT NAME

Lori Arnold

TELEPHONE NO. (303) 830-5651

(This space for State Use)

APPROVED BY

Original Signed by CHARLES GHOLSON

TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE

JUN 3 1993

CONDITIONS OF APPROVAL, IF ANY:

Workover Procedure  
Gallegos Canyon Unit #169  
Sec.35-T29N-R12W  
San Juan County, NM

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. TIH and tag PBTD, check for fill. Trip and tally out of hole with tubing, checking condition of tubing.
8. TIH 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. TIH 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 Emily Miller in Denver at (303) 830-4214. If no leak is found, it may be necessary to perforate the casing below surface casing depth or above the top of cement in order to circulate cement to surface.

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. TIH with bit and scraper and drill out cement. Pressure test casing to 1000 psi. TOH with bit and scraper.
18. TIH with retrieving head for RBP. Circulate sand off of RBP and TOH with RBP.
19. TIH with sawtooth collar and/or bailer and clean out hole to PBSD, if fill was found in step 7. TOH.
20. TIH 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.

GALLEGOS CANYON UNIT #169  
LOCATION - 35I 29N 12W  
SINGLE DK  
ORIG.COMPLETION - 9/64  
ELEVATIONS - GL-5377 KB-5389  
LAST FILE UPDATE - 2/93 BY CSW

BOT OF 8.625 IN OD CSA 335  
24 LB/FT, J-55 CASING, W/250 SKS  
PICTURED CLIFFS @1350  
MESA VERDE @3040  
GALLUP @4984  
DAKOTA @5924

DV TOOL @4039

DK-4JSPF PERF 5854-5866

DK-2JSPF PERF 5934-5954  
5966-5972

PBTD AT 5996 FT.

BOT OF 2.375 IN OD TBG AT 5873

TOTAL DEPTH 6033 FT.

BOT OF 4.5 IN OD CSA 6033  
10.5 LB/FT J-55 CASING  
W/1500 SKS

AME:  
7670



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

75058

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 324-6178

BRADENHEAD TEST REPORT  
(Submit 2 copies to above address)

Date of Test 7-17-92 Operator Amoco Production, 200 Amoco Court, Farmington, NM  
Lease Name GCU 169 Well No.        Location: Unit        Section 35 Township        N Range         
Pressure (Shut-in or Flowing) Tubing 489 Intermediate        Casing 508 Bradenhead 25

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

TIME	PRESSURES:		BRADENHEAD FLOWED	INTERMED. FLOWED
	INTERMEDIATE	CASING		
5 min.			Steady Flow	
10 min.			Surges	
15 min.			Down to Nothing	
20 min.			Nothing	
25 min.			Gas	
30 min.			Gas & Water	
			Water	

If Bradenhead flowed water, check description below:

CLEAR ☒ FRESH ☐ SALTY ☐ SULFUR ☐ BLACK ☐

REMARKS:

Water as soon as I opened valve

By Ed Bond Witness