



AMOCO PRODUCTION COMPANY

WELL ANALYSIS COMPARISON  
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LEASE: GCU 170

FEBRUARY 20, 1992

*K-35-29-12*

	CASING -----	BRADENHEAD -----
DATE:	2/19/92	2/19/92
NO.:	20090	20091
	MOLE % -----	MOLE % -----
NITROGEN	0.624	0.348
CO2	1.080	0.006
METHANE	82.559	91.162
ETHANE	9.308	5.865
PROPANE	4.118	1.498
I-BUTANE	0.657	0.242
N-BUTANE	1.051	0.514
I-PENTANE	0.272	0.169
N-PENTANE	0.219	0.096
HEXANE+	0.112	0.100
BTU'S	1187.0	1105.3
GPM	4.3894	2.3577
GRAVITY	0.6910	0.6183

**RECEIVED**  
FEB 24 1992  
OIL CON. DIV  
DIST. 3

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

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

DISTRICT III  
1000 Rio Grande Rd., Artesia, NM 87410

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-045-07658
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Gallegos Canyon Unit
8. Well No. #170
9. Pool name or Wildcat Basin Dakota

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	
2. Name of Operator Amoco Production Company Attn: John Hampton	
3. Address of Operator P.O. Box 800, Denver, Colorado 80201	
4. Well Location Unit Letter <u>K</u> : <u>1705</u> Feet From The <u>South</u> Line and <u>1777</u> Feet From The <u>West</u> Line Section <u>35</u> Township <u>29N</u> Range <u>12W</u> <u>NM11M</u> San Juan County 10. Elevation (Show whether DF, RRB, RT, GR, etc.) 5607' GL	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIATION WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPS. <input type="checkbox"/>
OTHER: <u>Bradenhead Repair</u> <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

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 1101.

Amoco intends to perform the attached workover procedure to eliminate bradenhead pressure.

RECEIVED  
FEB 17 1992  
OIL CON. DIV  
DIST. 3

Please contact Cindy Burton (303)830-5119 if you have any questions.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.  
SIGNATURE John Hampton TITLE Sr. Staff Admin. Supv. DATE 2/17/92  
TYPE OR PRINT NAME John Hampton TELEPHONE NO.

(This space for State Use)

Original Signed by CHARLES GHOLSON  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE FEB 19 1992  
COORDINATOR OF APPROVAL, IF ANY:

S CANYON UNIT #170  
ON -35K 29N 12W  
SINGLE DK  
COMPLETION - 10/64  
DATE - 2/92 BY CSW

BOT OF 8.625 IN OD CSA 337  
24 LB/FT J-55 CASING, W/250 SKS  
CTR TO SURFACE  
PICTURED CLIFFS @1330  
MESA VERDE @2880  
GALLUP @4952  
DAROTA @5888

DV TOOL @4174

BOT OF 2.375 IN OD TBG AT 5843

DEPTH 6009 FT.  
BOT OF 4.5 IN OD CSA 6009  
10.5 LB/FT J-55 CASING  
W/1500 SKS

Workover Procedure  
Gallegos Gas Unit #170  
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 Brent Miller in Denver at (303)830-4049. 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. 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.