

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	3004527485
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	BARNES GAS COM A
8. Well No.	# 1
9. Pool name or Wildcat	BASIN FRUITLAND COAL GAS

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 Attention Nancy I. Whitaker	
P.O. Box 800 Denver Colorado 80201 303-830-5039	
4. Well Location Unit Letter B : 1090 Feet From The NORTH Line and 1530 Feet From The EAST Line Section 23 Township 32N Range 11W NMPM SAN JUAN County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6251 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: ☐

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 REPAIR THE ABOVE WELL ACCORDING TO THE ATTACHED PROCEDURES.

FOR TECHNICAL INFORMATION CONTACT KHANH VU 303-830-4920

RECEIVED
MAY - 7 1997
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 Nancy I. Whitaker TITLE Staff Assistant DATE 05-06-1997
TYPE OR PRINT NAME Nancy I. Whitaker TELEPHONE NO. 303-830-5039

(This space for State

APPROVED BY Johnny Robinson TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE MAY - 7 1997
CONDITIONS OF APPROVAL, IF ANY:

Amoco Production Company

Sheet No _____ Of _____
File _____

ENGINEERING CHART

SUBJECT Barnes Gas Com A 1

Spud 10/89
Sidetrack 6/91
Cav
Recav 11/93

Appn _____

Date 2/9/96

By KQV

TOC - Surf (Circ)

8 5/8", 24#, K-55

Gas Analysis: 89.7% CH₄ 9.3% CO₂

TOC - TOC (Circ)

5 1/2", 17#, K-55 @ 3203'

Before Perf 2714'-2985' 43SPF
Fract w/ 320 mlb sand. & 87 mgal 30# gel

3 1/2", 9.3# w/ mule shoe & 2 3/4" F-nipple @ 2600'

2631' - tbg (11/93)
2660' > Window
2669'

Underream
- 2928'

2988' - TD

- 2714'

- 2780'

- 2882'

Cahn - 2964'

51' net coal

SJOET Well Work Procedure

Barnes Gas Com A **1**
Version: #1
Date: May 5, 1997
Budget: Well Repair
Work Type: CO, Lower Tbg

Objectives:

1. Configure wellbore and eliminate fill
 2. Reduce loading effects and increase production
 3. Place well back on production
-

Pertinent Information:

Location:	1090'FNLx1530'FEL; Sec B23-T32N-R11W	Horizon:	FC
County:	San Juan	API #:	30-045-27485
State:	New Mexico	Engr:	Vu
Lease:	FEE	Phone:	W-(303)830-4920
Well Flac:	70372701		P-(303)687-3819
			H-(303)980-6324

Economic Information:

APC WI:	50.00%	Prod. Before Repair:	1148 MCFD
Estimated Cost:	\$50,000	Anticipated Prod.:	1648 MCFD
Payout:	4.0 Months		

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

Formation Tops: (Formation tops)

Nacimiento:	FT - Cottonwood:
Ojo Alamo:	FT - Cahn:
Kirtland Shale:	Pictured Cliffs:
Fruitland:	PBD: 2988'
FT - Ignacio:	TD: 2988'
*(Estimated)	

Bradenhead Test Information:

Test Date: 8/22/96 **Tubing:** 168 **Casing:** 173 **BH:** 80

Time	BH	CSG	INT	CSG
5 min		173		
10 min		173		
15 min		175		

Comments: Bradenhead too small to measure (TSTM) at 5, 10, 15, 20, 25 and 30 minute intervals. Test witnessed by NMOCD.

Barnes Gas Com A 1

Orig. Comp. 10/89

TD = 2988', PBD = 2988'

Page 2 of 2

Version 1

Current wellbore info: 5 1/2" CSG @ 2631', Sidetrack window at 2660-2669', OH at 2669-2988', 3 1/2" TBG @ 2631'

Current flow info: 1148 MCFD, FTP= 129 psi, CP= 155 psi, LP=118 psi

General observations:

1. Well is experiencing loading problems
2. Well was cavitated in 06/91 and recav in 11/93
3. Ledge and sloughing problems were encountered in the Cottonwood and Cahn seam

Short term plans:

1. Replace WH, C/O, replace tubing

Long term plans:

1. Place on artificial lift (if needed)

1. Check/install anchors on location
2. MIRURT
3. ND tree, rig up BOP's w/cavitation capability, complete with venturies on blooie lines. Test BOE. Set plug in F-nipple in 3 1/2" TBG @ 2631' (2.75" seating-nipple @ 2600'). TOH and lay down 2 7/8" tubing. If tbg looks corroded, send in for inspection
4. Set wireline EZSV in 5 1/2" at 2600' Load csg and pressure test. . NDBOE and change out TBG head to allow hanging 2 7/8" TBG (w/full opening 3 1/8" casing valves).
5. Pick up 2 7/8" drill pipe, 3 1/2" drill collar w/ 4 3/4" bit, blow hole dry, drill up EZSV, clean out to total depth (2988') using air and foam.
6. Wait for 4-6 hrs to determine if hole stable, tag for fill, cleanout and repeat if necessary. TOH and lay down drill pipe and bit
7. RIH w/ 2 7/8" TBG as follows (if hole is stable):
 - 1) 1/2 blind mule shoe
 - 2) 2' slotted 2 7/8" tbg sub
 - 3) 10' 2 7/8" tbg sub
 - 4) 10' 2 7/8" tbg sub w/ 5/8" hole in middle
 - 5) 2 7/8" std. SN (2.280" ID) with retrievable pressure bomb and plug in place
 - 6) remainder 2 7/8" TBG (All TBG: 6.4# J55)
8. Land bottom of TBG at approximately 2978'.
9. ND BOE, NU tree and RDMORT. Lock wellhead and notify production
10. Retrieve plug and bring well on line slowly in attempt to minimize any cavitation effect (if hole is stable)

Contingency (If hole is not stable):

- 1) 4 3/4" bit
- 2) bit sub + float collar
- 3) 1 jt 2 7/8" tbg
- 4) 2 7/8" std. SN (2.280" ID) with retrievable pressure bomb and plug in place
- 6) remainder 2 7/8" TBG (All TBG: 6.4# J55)

Note: well may require swabbing to enable RTP.

Dependent on speed of hole stabilization, I estimate this procedure to require approximately 3 days and to cost \$50,000 (see attached AFE form).

Khanh Vu

W - (303) 830-4920

Pager - (303) 687-3819

H - (303) 980-6324

Fax - (303) 830-4777

Continuous Fax - (303) 830-4276