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

5. Lease Designation and Serial No.
SF - 078039

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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

8. Well Name and No.
BARNES GAS COM D #1

2. Name of Operator
AMOCO PRODUCTION COMPANY

Attention:
Nancy I. Whitaker

9. API Well No.
3004527789

3. Address and Telephone No.
P.O. BOX 800 DENVER, COLORADO 80201

303-830-5039

10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL GAS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1070 FEL 990 FNL Sec. 24 T 32N R 11W UNIT A

11. County or Parish, State
San Juan New Mexico

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 C/O - RECAVITATION	☐ 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 CLEAN OUT AND RECAVITATE THE ABOVE WELL ACCORDING TO THE ATTACHED PROCEDURES.

FOR TECHNICAL INFORMATION CONTACT KHANH VU 303-830-4920

RECEIVED
MAY 12 1997
OIL CON. DIV.
DIST. 3

97 MAY -7 PM 1:49
070 FARMINGTON, NM
RECEIVED
BLM

14. I hereby certify that the foregoing is true and correct
Signed Nancy I. Whitaker Title Staff Assistant Date 05-06-1997

(This space for Federal or State office use)

Approved by /S/ Duane W. Spencer Title _____ Date MAY - 9 1997
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, ficticious, or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instructions on Reverse Side

NMOCD

Amoco Production Company

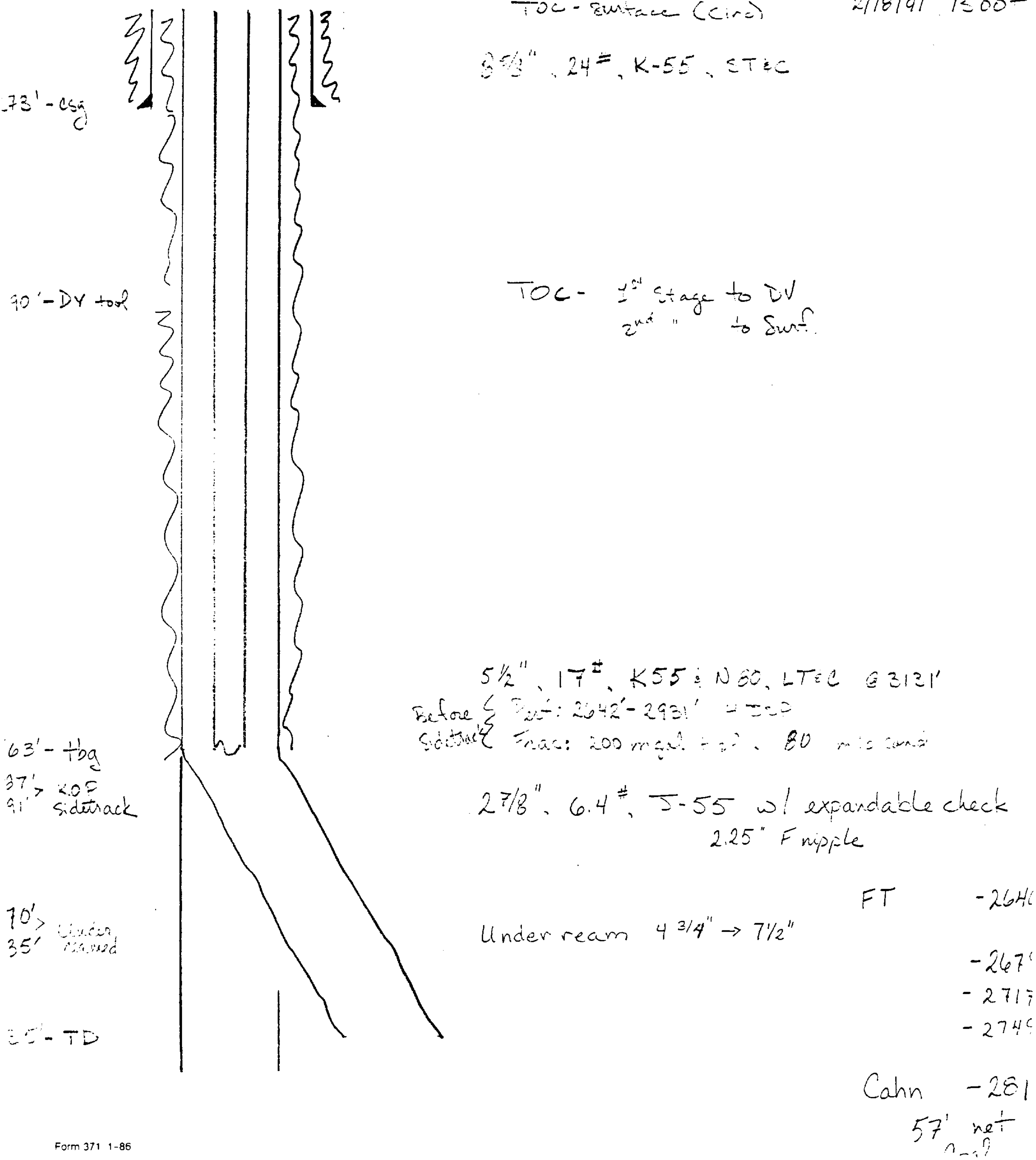
ENGINEERING CHART

Sheet No ____ Of ____
File ______
Appn ______
Date 2/9/96
By KQV

SUBJECT Barnes Gas Com D 1

spud 5/70
sidetrack 3/91
& cav
Recav 4/93

Pres Data:
2/18/91 1500#



SJOET Well Work Procedure

Barnes Gas Com D **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:	990'FNLx1070'FEL; Sec A24-T32N-R10W	Horizon:	FC
County:	San Juan	API #:	30-045-27789
State:	New Mexico	Engr:	Vu
Lease:	FEE	Phone:	W-(303)830-4920
Well Flac:	70433201		P-(303)687-3819
			H-(303)980-6324

Economic Information:

APC WI:	50.00%	Prod. Before Repair:	23 MCFD
Estimated Cost:	$50,000	Anticipated Prod.:	1023 MCFD
Payout:	1.9 Months		

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

Formation Tops: (Formation tops)

Nacimento:		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:** 169 **Casing:** 192 **BH:**

Time	BH	CSG	INT	CSG
5 min	0	192		
10 min	0	192		
15 min	0	192		

Comments: Bradenhead too small to measure (TSTM). Test witnessed by NMOCD.

Barnes Gas Com D 1
Orig. Comp. 5/90
TD = 2935', PBD = 2935'

Version 1

Current wellbore info: 5 1/2" CSG @ 2587', Sidetrack window at 2587-2591', OH at 2591-2935', 2 7/8" TBG @ 2563'
Current flow info: 25 MCFD, FTP= 115 psi, CP= 113 psi, LP=109 psi
General observations:
1. Well is experiencing loading problems
2. Well was cavitated in 03/91 and recav in 04/93
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 2 7/8" TBG @ 2563' (2.25" seating-nipple). 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 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 (2935') 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)

   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)
8. Land bottom of TBG at approximately 2925'.
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) Retrieve plug
    2) RU lubricator
    3) RIH w/ tbg guns and perf @ 2915' below the SN
    4) Bring well on line slowly in attempt to minimize any cavitation effect

    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