

**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.

3004525477

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

AMOCO PRODUCTION COMPANY

Attention

Nancy I. Whitaker

8. Well No.

# 1

P.O. Box 800 Denver Colorado 80201 303-830-5039

9. Pool name or Wildcat

CEDAR HILL FRUITLAND BASAL COAL GAS

4. Well Location

Unit Letter

K

: 1490

Feet From The

SOUTH

Line and

1790

Feet From The

WEST

Line

Section

32

Township

32N

Range

10W

NMPM

SAN JUAN

County

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

6084 GL

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 CLEAN OUT AND CAVITATE 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:

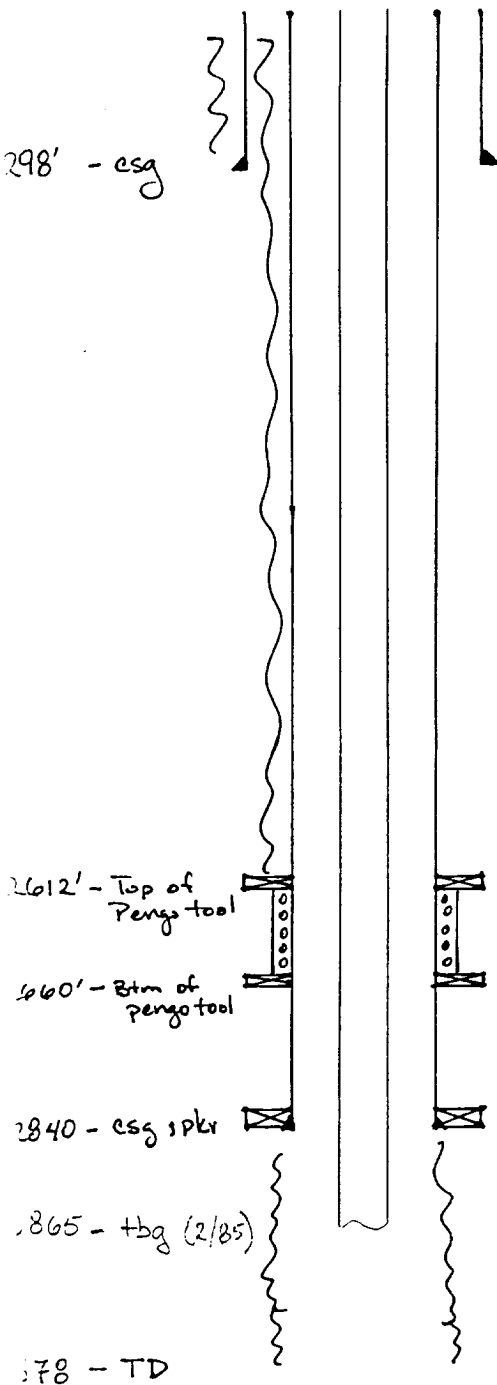
# Amoco Production Company

## ENGINEERING CHART

SUBJECT State Gas Com BX 1

Spud 10/82

Sheet No \_\_\_\_\_ Of \_\_\_\_\_  
 File \_\_\_\_\_  
 Appn \_\_\_\_\_  
 Date 4-8-97  
 By KQV



TOC - ~~Surf~~ Surf (Circ)

13 3/8", 54.5 #

TOC - Surf (Circ)

Ojo - 1013'

Kirk - 1900'

Sands 2457' 16'  
 2479' 14'  
 2500' 06'  
 2514' 10'  
 2530' 6'  
 2542' 8'  
 2600' 22'

Ignacio 2626 14'  
 2646 8'

Cottonwood 2715' 7'  
 2729' 8'

Cahu 2848' 22'

7", 23 #

2 7/8", 6.4 #, 5-55

# SJOET Well Work Procedure

## State Gas Com BX 1

**Version:** #1  
**Date:** May 2, 1997  
**Budget:** Well Repair  
**Work Type:** Perf & Cavitate

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### Objectives:

1. C/O OH section and cavitate
  2. Open up Ignacio and Cottonwood seams
  3. Place well back on production
- 

### Pertinent Information:

Location:	1490'FSL x 1790'FWL;Sect 32K-T32N, R10W	Horizon:	FC
County:	San Juan	API #:	30-045-25477
State:	New Mexico	Engr:	Vu
Lease:	Fee	Phone:	W-(303)980-6324
Well Flac:			H -(303)830-4920
			P--(303)687-3819

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### Economic Information:

APC WI:	75.17%	Prod. Before Repair:	1460 MCFD
Estimated Cost:	\$150,000	Anticipated Prod.:	2500 MCFD
Payout:	Months		
Max Cost -12 Mo. P.O.			
PV15:			
Max Cost PV15:			

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

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### Formation Tops: (Formation tops)

Nacimiento:		FT - Cottonwood:	2715-37'
Ojo Alamo:	1013'	FT - Cahn:	2848'-78'
Kirtland Shale:	1900'	Pictured Cliffs:	
Fruitland:		PBTD:	2878'
FT - Ignacio:	2626-54	TD:	2878'
*(Estimated)			

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### Bradenhead Test Information:

Test Date:	Tubing:	Casing:	BH:	
Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

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Comments:

**State Gas Com BX 1****Orig. Comp. 10/82****TD = 2878', PBD = 2878'****Page 2 of 2****Version 1**

**History:** This well has never been cavitated. It has only been treated with acid. The Cottonwood seams have been isolated by two packers. This well has been producing from 1-1.5 mmcf/d for the last 10 years. The following procedure will stimulate the coal seams to fully produce its potential.

1. Install/Check anchors. Inspect location for pit, access, etc.
2. Pick up drillstring/workstring
3. MIRU Rig with blooie lines, 2" flowline off of manifold, sample box catcher
4. NUBOE, kill well w/ produced coal water, if necessary. Set tbg stop.
5. TOH w/ 2 7/8" tbg @ 2865' (6.5#, J-55)
6. TIH w/ 6 1/4" bit, bit sub, drill collars and workstring. Cleanout hole to TD. Rotate and reciprocate until hole is clean. Sweep w/ 10 bbls of water & 2 bbls of soap. Make note of fill & attempt to rotate (off ledge) before cleaning to bottom
7. Load hole w/ acid with sequestering agents to 100' above top perf
8. RU lubricator and run guns to perforate the following schedule (correlate to Gearhart CDL/CNS/GR log dated 11/4/82)

<b>COAL ZONES</b>		<b>PERFORATIONS</b>	
Ignacio	2,626 to 2,640	4 jspf	56 holes
	2,646 to 2,654	4 "	32 "
	2,715 to 2,722	4 "	28 "
Cottonwood	2,729 to 2,737	4 "	32 "
	2,848 to 2,929	openhole	
		148 holes	

9. Perform flow test as follows after unloading well (calibrate all pres gauges before test):
    - a. 1 hour flow through 3/4" positive choke. Record pres & rate every 15 min
    - b. 1 hour shutin test. Record pres every 15 min
  10. Initiate surges. Work for minimum of 8 hours. If there is no sign of coal, inject only air @ 3,600 CFM to perform break over test. Start surging with air @ 100 psig below breakover for 36 hours or hole bridges over
  11. TIH w/ 6 1/4" bit, bit sub, drill collars and workstring. Cleanout hole to TD. Rotate and reciprocate until hole is clean. Sweep w/ 10 bbls of water & 2 bbls of soap. Make note of fill & attempt to rotate (off ledge) before cleaning to bottom
  12. Perform flow test as follows:
    - a. 1 hour flow through 3/4" positive choke. Record pres & rate every 15 min
    - b. 1 hour shutin test. Record pres every 15 min
  13. Repeat steps 10-12 and report results to engineer daily.
  14. Cleanout to PBD @ 2878'. 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
  15. 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)
1. Land bottom of TBG at approximately 2865'.
  2. NDBOE. RDMODU. Lock wellhead and notify production that air was used. Return well to production

**Note: well may require swabbing to enable RTP.**

**State Gas Com BX 1**

**Orig. Comp. 10/82**

**TD = 2878', PBD = 2878'**

**Page 3 of 2**

***Version 1***

Dependent on speed of hole stabilization, I estimate this procedure to require approximately 8 days and to cost \$150,000 (see attached AFE form).

**Khanh Vu**

**W - (303) 830-4920**

**Pager - (303) 687-3819**

**H - (303) 980-6324**

**Fax - (303) 830-4777**

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