

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

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company Attn: John Hampton

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1255' FNL, 1450' FEL, Sec. 28, T32N-R10W

5. Lease Designation and Serial No.

SF-080517

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Holmberg Gas Com C #1

9. API Well No.

30 045 26216

10. Field and Pool, or Exploratory Area

Cedar Hill Fruitland
Basal Coal

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

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Perf & Frac

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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 intends to perforate and fracture the upper Fruitland Coal.
See attached for procedure:

RECEIVED

JUN - 3 1992

OIL CON. DIV
DIST. 3

If you have any questions please call Julie Acevedo at 303-830-6003.

14. I hereby certify that the foregoing is true and correct

Signed

John Hampton

Title Sr. Staff Admin. Supv.

Date 5/19/92

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

APPROVED

JUN 01 1992

AREA MANAGER

PROCEDURE
HOLMBERG GAS COM C 1

1. Record TP, CP, and bradenhead pressure.
2. MIRUSU.
3. Install BOP. Kill well with fresh water.
4. Pull rods and pump.
5. Lower tubing and clean out fill if necessary to 2870'.
6. Raise bottom of tubing to 2750'.
7. Pump, down tubing, 3800 gal of 15% HCl at 5 - 10 BPM. No diverter is required, displace with 20 bbl of fresh water. SI overnight.
8. Flow back or swab load for two days.
9. TOH with tubing.
10. TIH with RBP and set at 2800'.
11. Swab fluid level down to 2100' from surface.
12. Install frac head.
13. TIH with 4" casing gun and perforate the Fruitland Coal using 4 JSPF, 90 or 120 degree phasing, and 23 gram charges for the intervals 2588' - 93' and 2615' - 25'. Depths are correlated from Welex's Gamma Ray Log dated 10/12/87.
14. RU fracture company. Frac well down casing at 60 BPM according to the attached procedure. SI overnight.
15. Blow well down.
16. TIH with tubing and retrieve RBP. TOH.
17. TIH with mule shoe, seating nipple, and 2 7/8" tubing. Slowly flow back load water from frac attempting to avoid sand production.
18. When there are no signs of fill entering the wellbore, land bottom of tubing at 2850'.
19. Run original rod and pump design.
20. Return well to production.

Note: All acid must contain 50 lb of citric acid per 1000 gal. of solution to serve as an iron sequestering agent.

FRACTURE STIMULATION PROCEDURE

Well Name : Holmberg Gas Com C 1 Upper Stage Frac
Formation : Fruitland Coal
Frac down : 5 1/2" casing/liner.
Frac with : 20/40 mesh. Use Brady.
Packer set at :

[illegible]

STAGE	FLUID TYPE (water)	FLUID VOLUME (gal.)	PROPPANT TYPE (mesh)	PROPPANT CONC. (ppg)	PROPPANT VOLUME (lb)	CUM. PROPPANT (lb)	BOTTOM HOLE RATE (bpm)	STAGE TIME (min)
(pad)	1	slick	40,000	-	-	0	60	15.9
	2	slick	5,250	20/40	1	5,250	5,250	2.2
	3	slick	9,625	20/40	2	19,250	24,500	4.2
	4	slick	2,333	20/40	3	7,000	31,500	1.1
	5	slick	1,750	20/40	4	7,000	38,500	0.8
	6	slick	1,400	20/40	5	7,000	45,500	0.7
	7	slick	1,167	20/40	6	7,000	52,500	0.6
Total		62,000	gallons			52,500 lbs		25.4

NOTE: All slick water used in this procedure should contain 0.75 gal / 1000 gal of Western FR-28 friction reducer or equivalent. No other additives are required.

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Casing capacity =          0.0232 bbl/ft.
Liner capacity  =          bbl/ft.   If no liner exists, leave blank.
Liner top      =          ft.       If no liner exists, leave blank.
Casing vol. to top perf =          60.0 bbl.
Flush w/       55 barrels of water
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Holmberg Gas Com C 1 Upper Stage Frac

Pertinent Data:

At 60 BPM, travel time from the wellhead to
the top perf is 1 min. and 0 sec.
Maximum treating pressure 4800 psi.
Have 5 400 bbl tanks of water
Tanks should be clean prior to filling. Water should be clean and
filtered.
Sand bins should be cleaned prior to loading of sand.

Sand sieve analysis: 20/40 mesh
less than 1% less than 50 mesh
less than 1% greater than 16 mesh
greater than 90% between 20/40 mesh