

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

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

2. Name of Operator
Amoco Production Company

Attention:
Nancy I. Whitaker

3. Address and Telephone No.
P.O. Box 800, Denver, Colorado 80201 (303) 830-5039

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
850 FNL 1850FWL Sec. 6 T 29N R 10W UNITC

5. Lease Designation and Serial No.
SF 078194

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
LUDWICK 24

9. API Well No.
3004511779

10. Field and Pool, or Exploratory Area
Aztec Fruitland Sand North Extension

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	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Recompletion</u>	<input type="checkbox"/> 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 recomplete the above well to the Fuitland Sand and isolate the Pictured Cliffs formation with a CIBP according to the attached procedures.

For technical question please call:

Mike Kutas
303-830-5159

RECEIVED
DEC - 3 1996

OIL CON. DIV.
DIST. 3

RECEIVED
NOV 26 PM 1:14
OIL CON. DIV. NM

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

Signed Nancy I. Whitaker Title STAFF ASSISTANT Date 11-25-1996

(This space for Federal or State office use)

APPROVED

Approved by _____ Title _____ Date NOV 27 1996
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, fictitious, or fraudulent statement or representations as to any matter within its jurisdiction.

NMOCD

DISTRICT MANAGER

* See Instructions on Reverse Side

SJOET Well Work Procedure

Version: 1

Name: Ludwick LS #24

Date: June 11, 1996

Budget: Recompletion

Work Type: Recompletion

Objectives:

Recomplete the well into the Fruitland sand interval (2130'-2142')

1. Set 2 7/8" CIBP @ 2325' and isolate PC.
 2. Perforate and stimulate Fruitland sand (2132'-2140') w/ 2 JSPF.
 3. Cleanout well.
 4. Put well on production.
-

Pertinent Information:

Location: Unit C Sec 6-29N-10W

County: San Juan

State: New Mexico

Lease: SF-078194

Flac (well) No: 978990

Horizon: FRT

API #: 30-045-11779

Engineer: G.M. Kutas

Phone: W - (303) 830-5159

H - (303) 840-3700

P - (303) 553-6334

Economic Information:

APC WI: 50%

Estimated Cost: \$87,600.

Payout: 3.2 years

FRT Pre-Production: 0 MCFD

FRT Post-Production: 160 MCFD

Estimated Formation Tops:

Nacimiento:

Ojo Alamo:

Kirtland Shale:

Fruitland:

Pictured Cliffs: 2352'

Lewis Shale:

Cliff House:

Menefee:

Point Lookout:

Mancos Shale:

Gallup:

Graneros:

Dakota:

Morrison:

PBTD: 2467'

TD: 2467'

Bradenhead Test Information:

Test Date: 8/24/93 Tbg: N/A psi Int: 000 psi Csg: 154 psi BH: 000 psi

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

1. Check Anchors. MIRUSU. Nipple down WH. Nipple up BOP.
2. Run bit and scraper to 2467'.
3. Run 2 7/8" gauge ring to 2325'.
4. PU x TIH x 1 1/4" tbg x 2 7/8" CIBP.
5. Set CIBP @ 2325'. Spot 5 sx class B cement on top of CIBP.
6. TIH w/ pkr and set @ 2200'. Pressure test casing to 500 psi. Run GR/CCL/CBL to determine if cement exists across the Fruitland Sand interval @ 2130'-2142'. Refer to Lane Wells Induction Electrolog dated 7/19/66 for depth control. If csg pressure test fails, run tbg x pkr and isolate leak. Cement squeeze will be based on location and extent of leak. D/O cmt to PBTD.
7. TIH with perforating gun with packoff, 180 degrees phasing using 2 HSE ported guns (7.5 GM, 0.29 EHD, 10.3 PEN) . Perf 2132'-2140' w/ 2 jspf .
8. TOOH w/ perf gun.
9. Nipple down BOP. Nipple up WH and frac valve.
10. Frac well according to frac schedule A.
11. Flow well back immediately on a 1/4" choke for 4 hours, then flowback on a 1/2" choke until pressure subsides.
12. Nipple down WH. Nipple up BOP.
13. C/O to PBTD (est 2194').
14. Flow well to insure productivity.
15. SI well. RDMOSU.
16. Return well to production.

If problems are encountered, please contact:

G.M. Kutas
W - (303) 830-5159
H - (303) 840-3700
P - (303) 553-6334

Ludwick LS #24
API# 30-045-11779
Unit C Sec 6-29N-10W
Pictured Cliffs
San Juan County, NM

formation tops:
Pictured Cliffs: 2352'

perfs: 2351'-56' w/ 4 spf
2364'-74', 2399'-2409' w/ 2 spf

TD: 2467'

8 5/8" 24# J-55
@ 139'
cement circ

2 7/8" 6.4# J-55
@ 2467'
TOC: approx 615'

6 1/4" hole

