

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

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96 SEP 13 PM 2:02

070 FARMINGTON, NM

5. Lease Designation and Serial No.

SF-078499

6. Indian Allottee or Tribe Name

7. U.S. or State, Agreement Designation

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator Attention:  
Amoco Production Company Pat Archuleta, Room 1205C

3. Address and Telephone No.  
P.O. Box 800, Denver, Colorado 80201 (303) 830-5217

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
800' FSL 840' FWL Sec. 16 T 28N R 8W Unit M

8. Well Name and No.

Tapp LS #4

9. API Well No.

3004507412

10. Field and Pool, or Exploratory Area

Picture Cliffs/Blanco Mesaverde

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"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Reperf, Frac & DHC
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<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 requestes permission to reperf, frac and downhole commingle this well per the attached procedures.

If you have any technical questions contact Mark Rothenberg at (303) 830-5612.

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14. I hereby certify that the foregoing is true and correct  
Signed Pat Archuleta Title \_\_\_\_\_ Clerk \_\_\_\_\_ Date 09-12-1996

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any:

APPROVED

SEP 16 1996

/s/ Duane W. Spencer  
DISTRICT MANAGER

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 statements or representations as to any matter within its jurisdiction.

Wellname: Tapp LS 4

Page 2

9/3/96

Suggested Procedures:

1. Contact Federal or State agency prior to starting repair work.
2. Install and/or test anchors on location.
3. MIRUSU. Check and record tubing, casing and bradenhead pressures. Blow down well and kill well, if necessary, with 2% KCL water. ND wellhead. NU and pressure test BOP's.
4. Circulate hole clean above packer through short string and trip and tally out of hole with tubing, checking condition of tubing. Inspect tubing for scale, holes, and/or crimping and replace joints as needed. (REPLACE ALL PERFORATED JOINTS).
5. Trip and tally out of hole with long string and seal assemble. Check condition of tubing and replace perforated and bad joints as needed. (REPLACE ALL PERFORATED JOINTS).
6. Attempt to retrieve packer. If packer will not release, run in hole with mill or metal muncher and drill out packer.
7. Run in hole with 7 5/8" RBP and Packer. Set RBP at 2150' and pressure test casing to 500#. Isolate any leaks in 7 5/8" casing, report, and wait for CBL before repairing.
8. Trip out of hole with RBP and Packer. Trip in hole with 5.5" RBP and Packer. Set RBP at 3800' and pressure test liner to 500#. Isolate any leaks in 5.5" liner, report, and wait for CBL before repairing.
9. Reset RBP to 4380', test plug to appropriate pressure for upcoming frac (use packer if necessary) and run CBL/CCLGR from RBP to surface. Based on CBL and Isolation tests, perform any remedial cementing as well as repair bradenhead to ensure zonal isolation and frac containment (If only BH needs repair and/or csg leak above 3800', cementing can be delayed until after the frac.)
10. Correlate to Schlumberger Gamma Ray Induction log dated 4/4/58 and RHH with perforating gun and perforate the following intervals with select fire shots at:  
3826', 3839', 3846', 3871', 3875', 3879', 3914', 3933', 4061', 4072'  
4077', 4148', 4152', 4163', 4229', 4235', 4241', 4319', 4327'
11. RHH with frac string and DTTS. Set DTTS at 3800' and frac CH/MN according to attached frac procedure. Note frac will be traced with a single tracer. (LOG TRACER FROM 4500' AND UP ABOVE TOP PERF)
12. Flow well back as soon as possible on a 1/4" choke for 4-8 hours, then change out to a 1/2" choke until pressure and sand production subsides.
13. TOH with frac string and RHH with mill and drill out DTTS. TOH with mill and RHH and retrieve RBP. TOH with RBP and RHH with production string. Alternate cleaning out sand and flowing well back until sand production has stopped and all fill has been cleaned out.
14. If dualing well, RHH with 2 3/8" tubing and 5 1/2" retrievable packer and set packer at 2450' and land tubing at 4520', 1/2 mule shoe on bottom and SN 1 joint off bottom. Then TTH with 1.25" tubing and land at 2250'. Flow well overnight (both strings) after final clean out and record gas, water, and oil rates and take final gas samples.
15. If commingling well, RHH with 2 3/8" tubing and land tubing at 4520', 1/2 mule shoe on bottom and SN 1 joint off bottom. Flow well overnight after final clean out and record gas, water, and oil rates and take final gas samples.
16. Rig down and move off service unit.

*If problems are encountered, please contact:*

**MARK ROTHENBERG**

(H) (303) 830-5612

(H) (303) 841-8503

(P) (303) 553-6448

# Amoco Production Company

## ENGINEERING CHART

Sheet No \_\_\_\_\_ Of \_\_\_\_\_

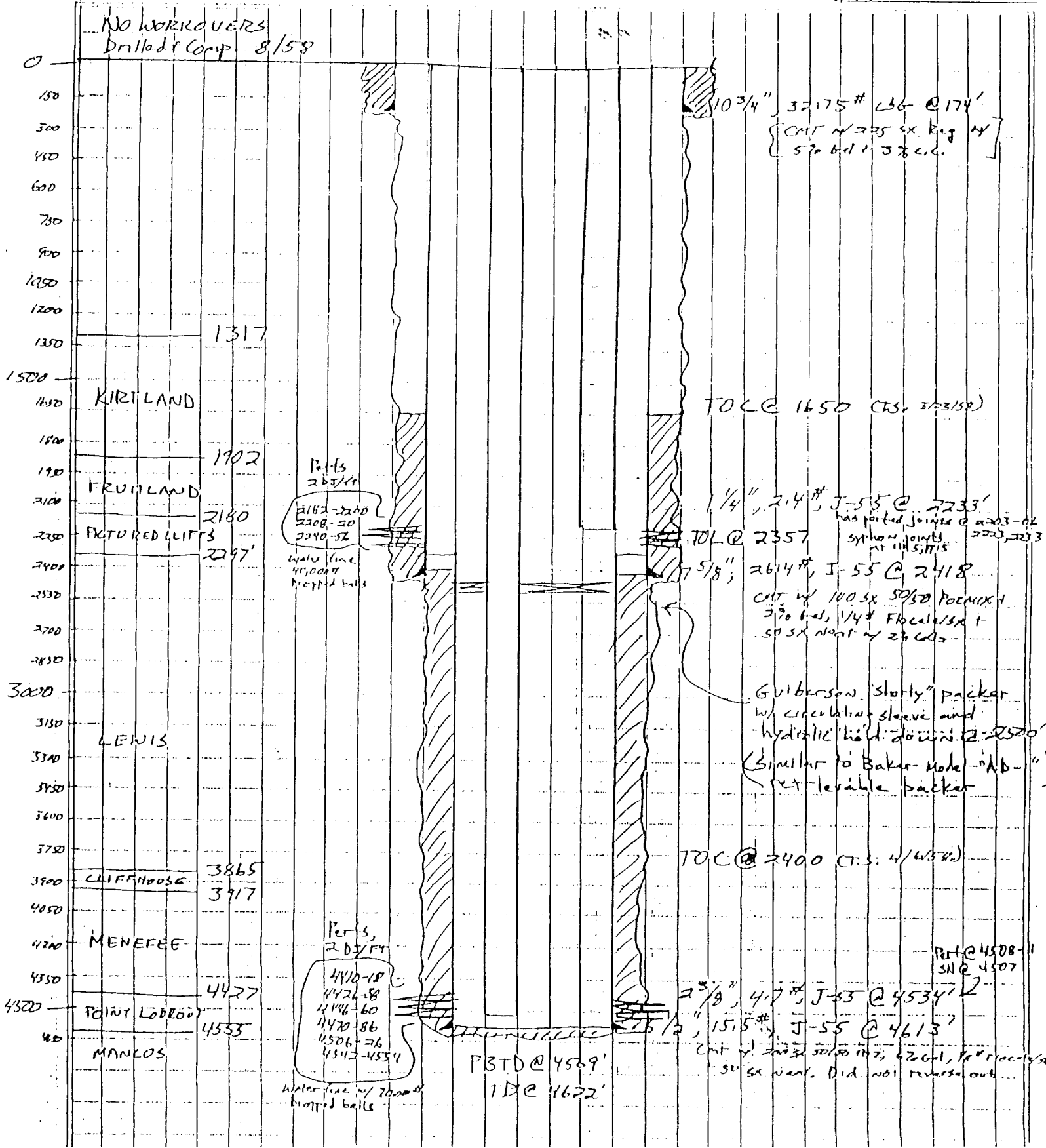
File \_\_\_\_\_

Appn \_\_\_\_\_

Date 8/23/96

By MDR

SUBJECT TAPP L54 Fed. Lease SF-D78499  
800' FSL x 840' FNL 28N-8W-16M 3004507412



NO WORKOVERS  
 Drilled & Comp 8/58

10 3/4" 32175# C36 @ 174'  
 (CMT w/ 225 SX Reg w/  
 570 bed + 38 C.C.)

1317

KIRTLAND

TOC @ 1650 CTs: 3/23/58

1902

FRUITLAND

Perfs  
 205/ft  
 2112-2200  
 2208-20  
 2290-52  
 water fine  
 40,000#  
 Perforated balls

1 1/4" 214# J-55 @ 2233'

has parted joints @ 2203-04  
 synov joints at 1115, 1115  
 2203, 2203

2180

PERFORATED LIFTS

TOC @ 2357

2297

17 5/8" 2614# J-55 @ 2418'

CMT w/ 100 SX 50/50 POC MIX 1  
 370 bed, 1/4# Flocculants +  
 50 SX next w/ 2000

LEWIS

Giberson "shorty" packer  
 w/ circulating sleeve and  
 hydraulic hold-down @ 2250'  
 (Similar to Baker-Mole "Ab-")  
 retrievable packer

3865

CLIFFHOUSE

TOC @ 2400 CTs: 4/6/54

3917

MENELEE

Perf @ 4508-1  
 SN @ 4507

4427

POINT LOBOS

2 3/8" 417# J-55 @ 4534'

4553

MANLOS

15 1/2" 1515# J-55 @ 4613'

PSTD @ 4569'  
 TD @ 4622'

Cut w/ 2 3/8 x 50/50 POC MIX 1  
 470 bed, 1/4# Flocculants +  
 50 SX next. Did not reverse out

water fine w/ 70000#  
 Perforated balls