

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
NM-01138

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Fred Phillips "C"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Topacito Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SE/NE, Sec 15, T25N, R3W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

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—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
Amoco Production Co.

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, N M 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

990
1050' FNL X 1070' FEL

RECEIVED

14. PERMIT NO.

DEC 18 1985

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7333' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Recomplete

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. 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 Co. requests approval to recomplete the above referenced well according to the attached procedure.

RECEIVED

DEC 27 1985

OIL CO

I hereby certify that the foregoing is true and correct

SIGNED

B. S. Shaw

TITLE

Adm. Supervisor

DATE

12-13-85

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE

Original Signed: STEPHEN WILSON

for

*See Instructions on Reverse Side

NMOC

Section 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 a false statement.

FARMINGTON DISTRICT WORKOVER

DATE: 5-17-85

OPERATIONS TO BE PERFORMED: (CIRCLE ONE) RECOMPLETION REPAIR SERVICE
 LEASE AND WELL Red Phillips C No. 2 FIELD Tapacito Pictured Cliffs
 FORMATION Recomplete to Fruitland LOGS Electrical Log
 LOCATION 1750 FNL 1070 FEL Sec 15 T25N R3W Rio Arriba County, NM
 COMP. DATE 11-25-58 EL: 7333 LB TD: 3954 PBD: 3870
 CSG: 8 5/8" 22.7# @ 213' : 4 1/2" 9.5# @ 3954'
 COMP. INT. 3783-3807' 45SPF ORIG. STIM. 25 MGOL water x 30 min
 IP 5.4 MMCFD CURRENT PROD. INT. Tapacito Pictured Cliffs
 PURPOSE: P.C. is depleted - Test Fruitland potential

TKA
BJW

TWE

GOM
DHS

6/PERMITTING DESK

MCH
RGH
BVD
GMK

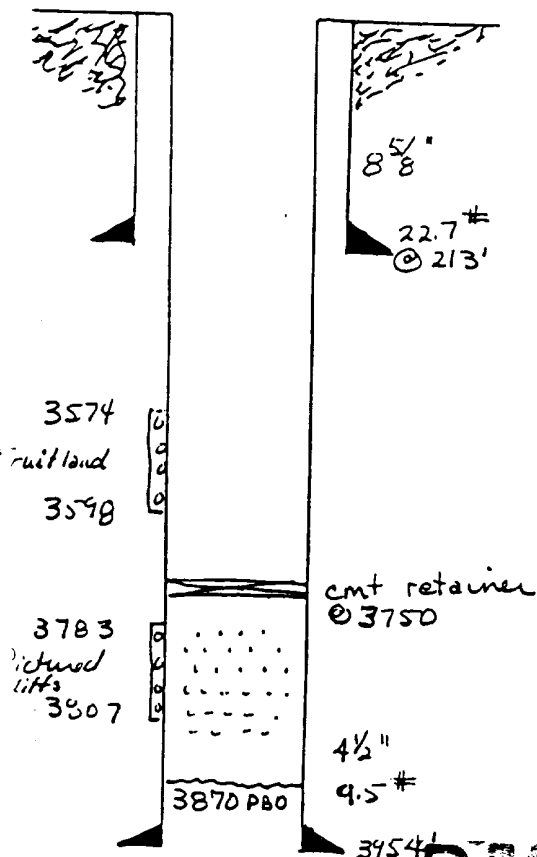
MWD
ENGR

DNE

Perforating Co.
Stimulation Co.

WELLBORE SKETCH

PROCEDURE



- ① T.O.H. w/ 2 3/8" Tbg (currently landed @ 3806')
Inspect tubing. Discard any bad joints.
- ② Run gauge ring to 3760'
- ③ T.H. w/ cmt retainer - set @ 3750'
- ④ Squeeze P.C. perforations (3783-807')
w/ 20 SX of class H cement.
- ⑤ Swab Fluid level to 3000 ft to
perforate the Fruitland underbalanced.
- ⑥ Perforate 3574 to 3598' w/ 4 JSPF.
Use 3 3/8" Hollow steel carrier
with .5" hole diameter and 120° phasing.
- ⑦ Swab or flow test perforated interval.
A. If hydrocarbon productive,
Frac as in step No. 8
B. If zone is wet,
Squeeze as in step No. 12
C. If perforations do not give up
fluid, breakdown with 500 gal
7 1/2% HCl (with appropriate additives)

DISTRICT MANAGER R. J. Brown
 DISTRICT ENGINEER G. Blevins 102385
 DISTRICT FOREMAN T. W. Ewing 2721
 ENGINEER Mollie Davids, Ed Aliendeh x 246 326-2368

DATE

ENGSP

Shut down to obtain ISIP. Discuss results
with engineer prior
to going on to step 8.

ENG-40

⑧ T1H w/ 2 $\frac{7}{8}$ " N-80 Tbg x PKR. Set @ 3500 ft.

FRAC Down Tbg w/

50,000 gal 70 quality foam

15,000 gal 20# gel w/ 2% KCl & 1 gal/1000 surfactant

650,000 SCF N₂ (43.3 SCF N₂/gal gel) (10,910 scf/min)

73,500 # 12-20 mesh sand

ATP expected 4600 psi @ 20 BPM.

Load backside w/ 2% KCl water and maintain 1000 psi during the frac.

Stage as Follows:

	Total Foam Volume (Mgal)	Gel Volume Before Blender (Mgal)	Sand Concentration (#/gal foam) (#/gal gel)	
1	17	5.1	0	0
2	6	1.8	1	3.33
3	9	2.7	2	6.667
4	9	2.7	2.5	8.333
5	9	2.7	3.0	10.0

Flush w/ 740 gal Foam (17.6 BBLS)

⑨ SI overnight to allow frac to heal.

Flow well back slowly, through $\frac{1}{4}$ " choke for a minimum of 24 hrs. Do not produce sand.

⑩ Pressure Tbg to 1000 psi w/ N₂. Equalize PKR and blow annulus dry.

TOH w/ PKR & 2 $\frac{7}{8}$ " N-80 Tbg.

⑪ T1H w/ 2 $\frac{3}{8}$ " production Tbg x Sawtooth Collar.

Tag bottom and clean out w/ N₂ if necessary.

Land Tbg @ 3605 ft.

⑫ P&A procedure - (if Fruitland is not productive)

Set cmt retainer @ 3500 ft.

Squeeze fruitland perforations (3574 - 92')

w/ 50 sx of class H cement.

Contact Mollie Davids to obtain NMOC approval.