Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other Instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Contract No. 127

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.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

1.

OIL WELL ☐   GAS WELL ☒   OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR

Cotton Petroleum Corporation

8. FARM OR LEASE NAME

Apache

3. ADDRESS OF OPERATOR

2502 Lincoln Center Building, 1660 Lincoln Street Denver, Colorado 80264

9. WELL NO.

19

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

790'FSL, 790'FWL

10. FIELD AND POOL, OR WILDCAT

So. Blanco P.C.

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

Sec. 3-T24N-R4W
N.M.P.M.

14. PERMIT NO.

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

6771'GR, 6781'DF, 6782'KB

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mex.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐
REPAIR WELL ☐	CHANGE PLANS ☐
(Other)	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREATMENT ☒	ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
(Other)	

(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.) *

8-18-77   P.B.T.D. - 3010'
Perforate at 2897', 2898', 2900', 2902', 2911', 2913', 2929', 2931', 2933', 2983' and 2984' with 1 shot per foot. Foam frac as follows:

Breakdown   - 1,000 psig
Acid (spearhead)   -   250 gals, 7½% DSG-30
Pad   - 2,000 gals, 70 Quality Wesfoam
Treatment   -lb. per gallon, 3500 gals foam
                                  -1½ lb per gal, 8500 gals foam
                                  -2 lb per gal, 7000 gals foam
                                  -Total 30,250 lbs. 20/40 sand
                                   & 19,000 gals foam
Flush   - 2,050 gals foam
Max. Treating Pressure   - 2,100 psig
Ave. Treating Pressure   - 2,100 psig
Ave. Injection Rate   - 25 BPM
Instantaneous SIP   - 1,800 psig
15 minute SIP   - 1,550 psig
30 minute SIP   - 1,550 psig
1 hour SIP   - 1,550 psig

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

SIGNED _Ewell N. Walsh, P.E._____

TITLE President, Walsh Engineering & Production Corp.

DATE Sept. 27, 1977

(This space for Federal or State office use)

APPROVED BY _____   TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

SEP 2 8 1977

U. GEOLOGICAL SURVEY
DURANGO, COLO.

*See Instructions on Reverse Side

SUNDRY NOTICES

9-10-77   Sandwater frac perforations 2897', 2898', 2900', 2902',
2911', 2913', 2927', 2929', 2931', 2933',2983', and
2984' perforated 1 shot per foot as follows:

Acid	- 250 gals 7½% DSG-30
Pad	-8,200 gals water w/ 10 lbs, J-2 gel and 1 gal FSR per 1000 gals
Water & Sand	-(All water treated with 10 lbs J-2 gel and 1 gal FSF per 1000 gals)
	-20,000 gals & 20,000 lbs 20-40
	- 5,000 gals & 2,500 lbs 10-20
	-10,000 gals & 10,000 lbs 10-20
	-20,000 gals & 25,000 lbs 10-20
	- 5,000 gals & 7,500 lbs 10-20 w/ 3 units radioactive sand
	-Total 60,000 gals & 65,000 lbs sand
Flush	- 2,000 gals
Breakdown	-None. Pump in at 2150 psig
Ave. Treating Press.	- 2,150 psig
Max. Treating Press.	- 2,300 psig
Ave. Injection Rate	-38.0 BPM
Hydraulic Horsepower	- 2,002 HHP
Instantaneous SIP	- 950 psig
5 minute SIP	- 855 psig
10 minute SIP	- 850 psig
15 minute SIP	- 825 psig