

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. Contract #127
2. NAME OF OPERATOR Cotton Petroleum Corporation	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache
3. ADDRESS OF OPERATOR 2502 Lincoln Center Building, Denver, Colorado 80264	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 790' FSL & 790' FEL Section 3, T24N-R4W	8. FARM OR LEASE NAME Apache
14. PERMIT NO.	9. WELL NO. 104
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6810' GR, 6822' KB	10. FIELD AND POOL, OR WILDCAT Lindrith-Gallup Dakota West
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 3, T24N-R4W NM, P.M.
	12. COUNTY OR PARISH Rio Arriba
	13. STATE New Mexico

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input checked="" type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(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.)*

See Attachment



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

SIGNED [Signature]

TITLE Division Production Manager DATE 1-2-79

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

Cotton Petroleum Corporation
Apache #104
Section 3, T24N-R4W
Rio Arriba Co, New Mexico

- 5-31-78 Perf Dakota B & D zones w/3-1/8" csg gun w/18-3/8" holes as follows: 7239', 7242', 7245', 7248', 7251', 7253', 7255', 7290', 7293', 7297', 7307', 7315', 7325', 7329', 7332', 7335', 7338', 7340'.
- 6-2-78 Frac'd Dakota B & D zones as follows: 6000 gals pad, 2-1/2 lbs FR-2/1000 gals, 1 gal aquaflo/1000 gals, 1% KCL. Stage 1 - pumped 8000 gals w/2-1/2 lbs FR-2/1000 gals, 1% KCL, 4000 lbs 20-40 sand at 1/2 lb/gal. Stage 2 - pumped 50,000 gals same fluid w/50,000 lbs 20-40 sand, 1 lb/gal. Flushed w/5500 gals, 2-1/2 lbs FR-2/1000 gals, 1 gal/1000 gals aquaflo. Total load to rec 1655 bbls. Broke down. Pump in at 3300 psi, average trtg press 3000, max trtg press 3400, average inj rate 36 bbls/min, HHP 2647, ISI 1800, 5 min 1500, 10 min 1475, 15 min 1425.
- 6-29-78 Perf Dakota "A" 7132', 7134', 7136', 7138', 7144', 7146', 7151', 7154', 7157', 7159', 7162', 7174', 7176', 7201', 7204', 7207'. Total 16.31" holes.
- 7-1-78 Frac Dakota A zone. Pumped 7000 gals, pad 1% KCL, 2-1/2# FR-2/1000 gals, 1 gal aquaflo/1000 gals. Stage 1 - pump 8000 gals 1% KCL, 2-1/2#/1000 gals FR-2, 4000# 20-40 sand at 1/2# concentration. Stage 2 - pump 61,000 gals same fluid, 61,000# 20-40 sand at 1# concentration. Flushed w/5500 gals 1% KCL, 2-1/2#/1000 gals FR-2, 1 gal/1000 aquaflo. ATP 3800 psi, max trtg press 4000 psi, AIR 30 BPM. Last 40,000# 1# concentration sand - 33 BPM. ISI 1900 psi, 5 min 1900, 10 min 1800, 15 min 1800.
- 8-27-78 Perf Gallup formation w/24 holes as follows: 6224', 6229', 6241', 6244', 6247', 6250', 6287', 6289', 6291', 6293', 6295', 6301', 6333', 6339', 6388', 6390', 6397', 6400', 6403', 6413', 6416', 6419', 6422', 6431'.
- 8-29-78 Frac'd Gallup formation as follows: Pumped pad 10,400 gals 1% KCL, 2-1/2#/1000 gals FR-2, 1 gal/1000 aquaflo w/20#/1000 gals fluid loss additive. Stage 1: pumped 8000 gals 1% KCL, 2-1/2#/1000 FR-2 w/20#/1000 fluid loss additive w/4000# 20-40 sand at 1/2# concentration. Stage 2: Pumped 146,000 gals 1% KCL w/2-1/2#/1000 gals FR-2 w/146,000# 20-40 sand at 1# concentration. Flushed w/5000 gals 1% KCL, 2-1/2#/1000 gals FR-2 & 1 gal/1000 gals aquaflo. Break down 3200 psi, ATP 3650 psi, max trtg press 3900, AIR 44 BPM, HHP used 3936, ISIP 1400 psi, 5 min 1200 psi, 10 min 1150 psi, 15 min 1150 psi.