Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well [X] gas well [ ] other

2. NAME OF OPERATOR
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR
717 17th St., Suite 2200, Denver, CO 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FEL & 1940' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
Contract No. 127

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
Apache

9. WELL NO.
124

10. FIELD OR WILDCAT NAME
Lindrith Gallup Dakota West

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 4-T24N-R4W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

14. API NO.
30-039-21887-00

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6813' KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

	REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	[ ]	[ ]
FRACTURE TREAT	[ ]	[ ]
SHOOT OR ACIDIZE	[ ]	[ ]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[ ]	[ ]
CHANGE ZONES	[ ]	[ ]
ABANDON* Dakota 'D'	[X]	[ ]
(other) Plug back		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Per the attached.

RECEIVED
MAY 13 1982
OIL CON. COM.
DIST. 3

Subsurface Safety Valve: Manu. and Type ______ Set @ ______ Ft.

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

SIGNED ______ TITLE Div. Prod. Mgr. DATE May 4, 1982

(This space for Federal or State office use)

APPROVED BY ______ TITLE ______ DATE ______
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
MAY 12 1982
For JAMES F. SIMS
DISTRICT ENGINEER

*See Instructions on Reverse Side

NMOCC

APACHE 124
Sundry dated 5-4-82

ATTACHMENT

Cotton Petroleum request permission to abandon the Dakota 'D' perfs @ 7264' - 7312'. The zone will be abandon by setting a Wireline set cement retainer @ 7230', 34' above top perf and pmp 100 sxs Class B neat cement.

The reason for abandonment is excessive wtr production. The following testing has occurred:

1. March 6, 1982, a BP was set @ 7224', immediately above the Dakota 'D', and a pkr was set @ 7060', immediately above the Dakota 'A'. The well was then produced for 10 days from the Dakota 'A' with a stabalized production of 15 BOPD x 1 BW x 110 MCFD.

2. March 20, 1982, the pkr was released and the well was then produced for 21 days from the Gallup and Dakota 'A' with a stablized rate of approx. 4 BOPD x 90 BWPD x 10 MCF.

3. April 14, 1982, the BP was moved from 7224' to 6128' which is above the Gallup to test for a csg leak. No fluid entry from above the Gallup was occurring.

4. April 17, 1982, the BP was moved to 6446' and a pkr was set @ 6150' to straddle test the Gallup. The well swabbed 80 BW.

5. The Gallup was cmt squeezed on April 21 & 22, 1982 per Sundry dated May 3, 1982. The well was pressure tested and swabbed with no fluid entry before drilling out BP.

6. April 27, 1982, the well was returned to production from the Dakota 'A' and Dakota 'D'. Production has stabalized @approx. 100 BWPD.

APACHE NO. 124
NESE Section 4-T24N-R4W
West Lindrith Gallup-Dakota Field
Rio Arriba County, New Mexico

May 4, 1982
ABANDON DAKOTA 'D'

1. MIRUSU
2. NDWH
3. NUBOP
4. TOOH w/production string.
5. RU Wireline Company.
6. TIH w/Wireline set Howco cmt rtnr @ 7230'.
7. RD Wireline Company.
8. Load hole w/produced wtr.
9. TIH w/stinger x 2-3/8" tbg, sting into rtnr.
10. Pmp 100 sxs Class B neat cmt, displace to the cmt rtnr w/fresh wtr.

    Displacement volume: 7230' x .00387 $\frac{\text{bbls}}{\text{ft}}$ = 28 bbls

    General Comments: The Dakota 'A' perfs are open above the cmt rtnr. Keep the backside loaded. If the Dakota 'A' & Dakota 'D' communicate and starts flg on the backside, then pmp dwn the backside @ 1 BPM w/produced wtr.

    If zone squeezed before cmt is displaced to the rtnr.

    a. Sting our of rtnr.
    b. Attempt to reverse out
    c. If unable to reverse out, pull tbg to above the calculated cmt fill and reverse circulate working dwn to rtnr. See the attached table for cmt fill calculations.
    d. Skip to step 12.

11. Sting out of rtnr and reverse out.
12. TOOH w/stinger x tbg. If the Dakota 'A' perfs @ 7119' - 7160' were @ anytime covered w/cmt then continue to next step, otherwise skip to Step 24.
13. TIH w/3-7/8" bit x 4-1/2" csg scraper x 6 3" or 3-1/8" DC's that can be fished x tbg.
14. Clean out to top of cmt rtnr, set @ 7230'.

15. Roll hole w/2% KCL wtr.

16. Spot 250 gal, 7-1/2% acedic acid from approx 7165' - 6795'.

17. TOOH w/btm hole assembly x tbg.

18. RU Wireline Company.

19. Correlate and perf the following CNL-FDC intervals w/1 JSPF using csg gun: 7119' - 7129'; 7143' - 7152'; 7156' - 7160'.

20. TIH w/RTTS pkr of equivalent x SN x tbg, set pkr @ approx 6730'.

21. Acidize dwn tbg w/1000 gal 15% HCL.

22. Swab back load.

23. TOOH w/pkr x SN x tbg.

24. TIH w/mud anchor x perf nipple x SN x tbg x anchor x tbg x pmp x rod, land tbg @ approx 7200'.

25. NDBOP

26. NUWH

27. Return well to production.

CEMENT FILL TABLE

SXS REMAINING IN TBG	BBLS REMAINING	CU FT. REMAINING	CASING FILL
100	21.4	120	1341'
90	19.2	108	1207'
80	17.1	96	1073'
70	15.0	84	939'
60	12.8	72	804'
50	10.7	60	670'
40	8.5	48	536'
30	6.4	36	402'
20	4.3	24	268'
10	2.1	12	134'

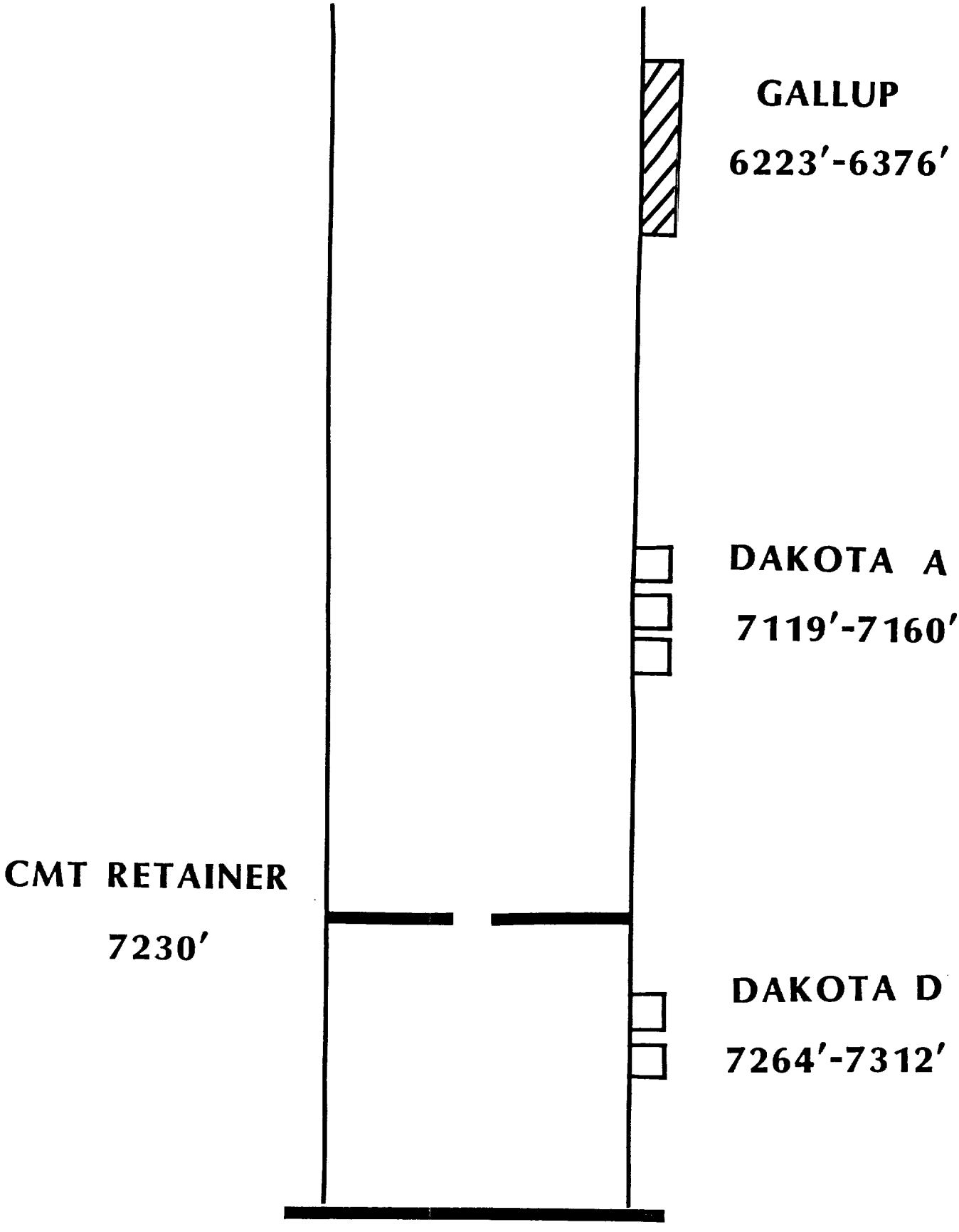
Calculated based slurry properties = Volume 1.2 cu. ft./sxs

Csg Constants 4-1/2". 10.5#/ft csg: .089 $\frac{\text{cu.ft.}}{\text{Lin ft.}}$

.0159 $\frac{\text{bbls}}{\text{Lin ft.}}$

DMT/vl

APACHE #124


GALLUP
6223'-6376'
DAKOTA A
7119'-7160'
CMT RETAINER
7230'
DAKOTA D
7264'-7312'