

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESRV.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR  
717 17th Street, Suite 2200, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface \_\_\_\_\_  
 At top prod. interval reported below 660' FNL, 610' FEL  
 At total depth Sec. 12, T 24N, R 4W

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED 11-28-78

5. LEASE DESIGNATION AND SERIAL NO.  
Contract No. 126  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Jicarilla Apache  
 7. UNIT AGREEMENT NAME \_\_\_\_\_  
 8. FARM OR LEASE NAME  
Apache  
 9. WELL NO.  
117  
 10. FIELD AND POOL, OR WILDCAT  
Lindrith Gallup  
Dakota West  
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 12, T 24N, R 4W  
N.M.P.M.

15. DATE SPUNDED 3-21-79 16. DATE T.D. REACHED 4-9-79 17. DATE COMPL. (Ready to prod.) 5-5-79 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 6915' GR 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD 7662' 21. PLUG, BACK T.D., MD & TVD 7617' 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS 0-TD CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Dakota 7352-7570  
Gallup 6460-6498  
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/FDC/CNL GR 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	380'	12-1/4"	275 sx to surf	0
4-1/2"	10.5#, 11.6#	7662'	7-7/8"	stage 1 600 sx stage 2 700 sx DV tool @ 4253'	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8	6386'	6387'

31. PERFORATION RECORD (Interval, size and number)  
 6460,62,64,68,70,72,74,76,78,80,82,84,86,88,90,92,94,96,98  
 7352,54,55,56,68,70,72,74,76,78,80.  
 7518,19,20,21,44,46,48,50,52,54,56,58,60,62,64,66,68,70.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6460-6498	175,063 gal wtr, 150,000#sd
7352-7380	82,778 gal wtr, 65,000# sd
7518-7570	70,944 gal wtr, 54,000#sd

33.\* PRODUCTION

DATE FIRST PRODUCTION 5-16-79 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-8-79	24	20/64	→	300	422	20 Load	

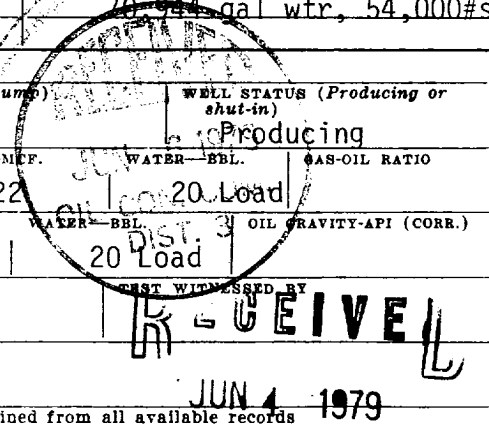
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
180		→	300	422	20 Load	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold

35. LIST OF ATTACHMENTS \_\_\_\_\_

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature] TITLE Division Production Manager S. GEOLOGICAL SURVEY



\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			TOP
			MEAS. DEPTH
			TRUE VERT. DEPTH
			NAME
Gallup	6410	6639	Burro Canyon 7608'
Dakota	7348	7512	Dakota 7348' Graneros 7328' Greenhorn 7268' Gallup 6410' Cliff House 4782' Pictured Cliffs 3136'