

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>										
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>								
2. NAME OF OPERATOR		Cotton Petroleum Corporation				NOV 15 1978									
3. ADDRESS OF OPERATOR		1660 Lincoln Street, Suite 2502, Denver, Colorado 80264													
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface 1950" FNL, 1820' FWL													
		At top prod. interval reported below													
		At total depth													
14. PERMIT NO.		DATE ISSUED													
		5-30-78													
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.		109													
10. FIELD AND POOL, OR WILDCAT		West Lindrith Gallup-Dakota													
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA		Section 11 T24N-R4W													
		N. M. P. M.													
12. COUNTY OR PARISH		Rio Arriba													
13. STATE		New Mexico													
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, REB, BT, GR, ETC.)*	19. ELEV. CASINGHEAD								
7-18-78		8-1-78		10-17-78		6801' GR									
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	ROTARY TOOLS CABLE TOOLS								
7510'		7481'				0-TD									
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		Gallup 6276 - 6332				25. WAS DIRECTIONAL SURVEY MADE									
		Dakota 7154 - 7364				NO									
26. TYPE ELECTRIC AND OTHER LOGS RUN		DIL, BHG Sonic, FDC/CNL				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#		361'		12 1/4"		250 SXS							
4 1/2"		10.5, 11.6#		7510'		7 7/8"		1292 SXS							
29. LINER RECORD								30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2 3/8		6250'		6189'	
31. PERFORATION RECORD (Interval, size and number)								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
6276, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 6300, 02, 06, 08, 18, 20, 22, 30, 32, 7154, 56, 58, 60, 66, 68, 70, 72, 78, 80, 82, 98, 7200, 02, 24, 26, 28, 30, 32, 72, 74, 78, 80, 82, 84, 7319, 21, 23, 25, 27, 54, 56, 58, 60, 62, 64								DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
								6276 - 6332				175,000 gwtr, 150,000#SD			
								7154 - 7232				83,000 gwtr, 65,000#SD			
								7272 - 7364				71,000gwtr, 54,000#SD			
33.* PRODUCTION															
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in)							
10-17-78		Flowing						SI							
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO	
11-2-78		24		32/64				120		280		50		2333	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
145		0				120		280		50		46.0			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		Vented						TEST WITNESSED BY							
								H. Davis							
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		J. L. Wood						TITLE		Division Production Manager		DATE		11-13-78	

\*(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) (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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Gallup Dakota	6213 7151	6469 7430	Hydrocarbons Hydrocarbons	Kirtland Fruitland Pictured Cliffs Lewis Chacra Chacra Base Cliffhouse Menefee Point Lookout Mancos Gallup Gallup Base Sanostee Greenhorn Graneros Dakota "A" Dakota "B" Dakota "D" Burro Canyon	2588' 2774' 2940' 3088' 3787' 3961' 4580' 4615' 5095' 5282' 6213' 6469' 6768' 7071' 7132' 7151' 7218' 7315' 7430'		

38.

GEOLOGIC MARKERS