

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____		Jicarilla Apache 7. UNIT AGREEMENT NAME				
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESRV. ☐ Other _____		S. FARM OR LEASE NAME <u>Apache</u>				
2. NAME OF OPERATOR <u>Cotton Petroleum Corporation</u>		9. WELL NO. <u>#119</u>				
3. ADDRESS OF OPERATOR <u>717 17th Street, Suite 2200, Denver, Colorado 80202</u>		10. FIELD AND POOL, OR WILDCAT <u>Lindrith Gallup</u>				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>660' FEL, 1980' FSL</u> At top prod. interval reported below <u>Sec. 12, T 24N, R 4W</u> At total depth _____		Dakota West 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <u>Sec. 12, T 24N, R 4W</u> <u>N.M.P.M.</u>				
		12. COUNTY OR PARISH <u>Rio Arriba</u>				
		13. STATE <u>New Mexico</u>				
15. DATE SPUDDED <u>4-10-79</u>	16. DATE T.D. REACHED <u>4-25-79</u>	17. DATE COMPL. (Ready to prod.) <u>5-15-79</u>	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <u>6823' GR</u>			
20. TOTAL DEPTH, MD & TVD <u>7559'</u>		21. PLUG, BACK T.D., MD & TVD <u>7520'</u>	22. IF MULTIPLE COMPL., HOW MANY* →			
		23. INTERVALS DRILLED BY ROTARY TOOLS → CABLE TOOLS	25. WAS DIRECTIONAL SURVEY MADE <u>No</u>			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>Dakota 7202'-7432'</u> <u>Gallup 6324'-6341'</u>			27. WAS WELL CORED <u>No</u>			
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>DIL, FDC/GR</u>						
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	393'	12-1/4"	275 sacks to surf	0	
4-1/2"	10.5, 11.6	7559'	7-7/8"	stage 1 600 sacks		
				stage 2 1100 sacks		
				DV tool @ 4145		
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 6156 6157	
31. PERFORATION RECORD (Interval, size and number)					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Gallup 6324-41 1 JSPF Dakota A IJS @ 7202,04,06,08,10,12,7218,20, 22,24,26,28,30,32,34,36,38,40,42,44,56,58,60 Dakota B&D IJS@ 7374,76,78,80,82,7404,06,08, 10,12,14,16,18,20,22,24,26,28,30,32					DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
					6324-41	Frac w/ 158298 g w/141,000#sd
					7202-62	Frac w/ 74046 g w/65000#sd
					7374-7432	Frac w/ 59934 g w/54000#sd
33.* PRODUCTION						
DATE FIRST PRODUCTION <u>5-23-79</u>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) <u>Flowing</u>			WELL STATUS (Producing or shut-in) <u>Producing</u>	
DATE OF TEST <u>5-25-79</u>	HOURS TESTED <u>24</u>	CHOKE SIZE <u>24/64</u>	PROD'N FOR TEST PERIOD →	OIL—BBL. <u>178</u>	GAS—MCF. <u>473</u>	
FLOW. TUBING PRESS. <u>420</u>	CASING PRESSURE <u>0</u>	CALCULATED 24-HOUR RATE →	OIL—BBL. <u>178</u>	GAS—MCF. <u>473</u>	WATER—BBL. <u>200 Load</u>	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <u>Sold</u>			OIL GRAVITY-API (CORR.)			
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 <u>[Signature]</u>			TITLE <u>Division Production Mgr.</u>			

U.S. GEOLOGICAL SURVEY
JUN 4 1979

*** (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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Gallup	6264'	6479'		Burro Canyon	7477'	
Dakota	7205'	7375'		Dakota	7205	
				Graneros	7183'	
				Greenhorn	7123'	
				Gallup	6264'	
				Cliff House	4641'	
				Pictured Cliffs	2993'	