

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 _____				5. LEASE DESIGNATION AND SERIAL NO. Contract No. 126	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Cotton Petroleum Corporation				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1660 Lincoln St., Suite 2502, Denver, Colorado 80264				8. FARM OR LEASE NAME Apache	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 825' FSL & 540' FEL At top prod. interval reported below At total depth				9. WELL NO. No. 110	
14. PERMIT NO. _____ DATE ISSUED 5-30-78				10. FIELD AND POOL, OR WILDCAT Lindrith Gallup-Dakota W.	
15. DATE SPUDDED 8-30-78		16. DATE T.D. REACHED 9-10-78		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 11-T24N-R4W N. M. P. M.	
17. DATE COMPL. (Ready to prod.) 10-5-78		18. ELEVATIONS (DF, REB, BT, GR, ETC.)* 6796' GR		12. COUNTY OR PARISH Rio Arriba	
20. TOTAL DEPTH, MD & TVD 7539'		21. PLUG, BACK T.D., MD & TVD 7495'		13. STATE New Mexico	
22. IF MULTIPLE COMPL., HOW MANY* _____		23. INTERVALS DRILLED BY _____		19. ELEV. CASINGHEAD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Gallup 6240' - 6380' Dakota 7151' - 7372'				25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN IEL, EDC/CNI - GR				27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
8 5/8		24th		360'	
4 1/2		10.5, 11.6		7539'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
12 1/4"		275 SXS Class B			
7 7/8"		600 SXS 50/50POZ, 725SXS DV Tool at 4081		50/50 POZ.	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
SACKS CEMENT*		SCREEN (MD)		TUBING RECORD	
				SIZE	
				DEPTH SET (MD)	
				PACKER SET (MD)	
				2 3/8"	
				6185'	
				6119'	
31. PERFORATION RECORD (Interval, size and number)					
6240, 42, 44, 50, 52, 54, 56, 58, 60, 62, 6354, 56, 58, 60, 62, 68, 70, 72, 74, 76, 78, 80, 7151, 53, 55, 57, 59, 64, 66, 68, 70, 72, 74, 76, 78, 80, 7218, 20, 22, 24, 7268, 70, 72, 74, 80, 7319, 21, 23, 54, 56, 68, 60, 62, 64, 66, 68, 70, 72					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
7268 - 7372		70,800 gal wtr, 54,000#20/40			
7151 - 7224		82,700 gal wtr, 65,000#20/40			
6240 - 6380		175,000 gal wtr, 150,000#20/40			
33. PRODUCTION					
DATE FIRST PRODUCTION 10-5-78		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) SI
DATE OF TEST 11-2-78		HOURS TESTED 24		CHOKE SIZE 32/64	
FLOW. TUBING PRESS. 380		CASING PRESSURE 0		CALCULATED 24-HOUR RATE 343	
OIL—BBL. 343		GAS—MCF. 398		WATER—BBL. 100	
OIL GRAVITY-API (CORR.) 46.0		GAS—MCF. 398		WATER—BBL. 100	
OIL GRAVITY-API (CORR.) 46.0		GAS—MCF. 398		WATER—BBL. 100	
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 <i>DE Ward</i>		TITLE Division Production Manager		DATE 11-3-78	

*(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) 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Gallup Dakota	6183' 7148'	6460' 7440'	Hydrocarbons Hydrocarbons	Kirtland Fruitland Pictured Cliffs Lewis Chacra Chacra Base Cliff House Menefee Point Lookout Mancos Gallup Gallup Base Sanostee Greenhorn Graneros Dakota "A" Dakota "B" Dakota "D" Burro Canyon	2535' 2768' 2921' 3063' 3775' 3948' 4580' 4601' 5082' 5260' 6183' 6460' 6770' 7070' 7130' 7148' 7199' 7313' 7440'	