preventer program, if any.

SUBMIT IN TRIPLICATE*

(Other instructions on

Form approved. Budget Bureau No. 42 R1425.

IL SURVEY

UNITED STATES reverse side)

50-639-20217 DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL NO. GEOLOGICAL SURVEY Contract No. 129
6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Jicarilla Apache
7. UNIT AGREEMENT NAME 1a. TYPE OF WORK DEEPEN PLUG BACK 📋 DRILL X b. TYPE OF WELL SINGLE MULTIPLE ZONE 8. FARM OR LEASE NAME WELL WELL X OTHER 2. NAME OF OPERATOR Apache Cotton Petroleum Corporation 10. FIELD AND POOL, OR WILDCAT 7]7 17th St., Suite 2200, Denver, Colorado 80202 4. Lecation of Well (Report location clearly and in accordance with any State requirements.*) SO. Blanco P. C.

11. SEC., T., B., M., OR BLE.

AND SURVEY OR AREA 1845' FWL, 1550' FSL, Section 13 Sec. 13, T24N, R4W At proposed prod. zone N.M.P.M.
12. COUNTY OR PARISH | 13. STATE 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE. New Mexico Rio Arriba 15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OB LEASE LINE, FT.
(Also to nearest drig, unit line, if any) 16. NO. OF ACRES IN LEASE NO. OF ACRES ASSIGNED TO THIS WELL 795' 160 18. DISTANCE FROM PROPOSED LOCATION* 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 32001 Rotary 22. APPROX. DATE WORK WILL START* 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6838' GR April, 1980 23. PROPOSED CASING AND CEMENTING PROGRAM WEIGHT PER FOOT SETTING DEPTH SIZE OF CASING SIZE OF HOLE 8-5/8" 12-1/4" 24# 100' 150 sx 4-1/2" 3200' To be determined 7-7/8" 10.5# It is proposed to drill this well with rotary tools using drilling mud for circulation through the Pictured Cliffs formation. All possible productive intervals in the Pictured Cliffs will be completed. Estimated formation tops: 29201 Fruitland Ojo Alamo 2500' 3040' Kirtland 2700' Pictured Cliffs The SW4 of Section 13 is dedicated to this well. from this well will be sold to Northwest Pipeline Co. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout

 $\overline{24}$. <u>October 23, 197</u> TITLE Division Production Manager DATE_ (This space for Federal or State office use) PERMIT NO. _ APPROVED BY CONDITIONS OF APPROVAL, IF ANY : of For

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102 kevised 10-1-78

STATE OF NEW MEXICO LIVERGY AND MINERALS DEPARTMENT

	All distant	es must be from the cute	r houndaries (1)	he srettim.						
Operator			Well No.							
. COTTON PETROLEUM CORPORATION			CHE	26						
Unit Letter Sect	Township 241	Rang	je ↓W	County Rio Arriba	_					
Actual Foologe Location of Well:										
1550 fee	t from the South	line and 1850	0 _{feet}	from the West	line					
Ground Level Elev.	Producing Formation	Pool			Dedicated Acreage:					
6838	Pictured Cliffs	So	<u>. Blanco Pi</u>	ctured Cliffs	160 Acres					
					ne plat below.					
dated by commi	No If answer is " no;" list the owners an	, force-pooling.etc? 'yes,'' type of consoli	dation		all owners been consoli-					
this form if necessary.)										
	1		i I		CERTIFICATION					
e			[] [[tained he	certify that the information con- trein is true and complete to the ty knowledge and belief.					
	+		 	Name D. E	. Wood					
			 	Pesition Divi Company	sion Production Mgr.					
	Sec.		 	Date	on Petroleum Corp. ber 23, 1979					
			<u> </u>							
1845'	- Well States	13		shown on notes of under my is true knowledg	certify that the well location this plot was plotted from field actual surveys made by me or supervision, and that the some and correct to the best of my se and belief.					
	1			VE Date Surve	yed					
	5501		1 2 19	79 Registred	Professional Engineer					
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COTTON PETROLEUM CORPORATION APACHE NO. 26

Multi-Point Surface Use Plan

- 1. Existing Road Please refer to Map No. 1 which shows the existing roads. New roads which will be required have been marked on this map. All existing and new roads will be properly maintained during the duration of this project.
- 2. Planned Access Roads Please refer to Map No. 1. The grade of the access roads will be consistent with that of the local terrain. The road surface will not exceed twenty feet (20') in width. Upon completion of the project, the access road will be adequately drained to control soil erosion. Drainage facilities may include ditches, water bars, culverts or any other measure deemed necessary by trained Company personnel to insure proper drainage. Gates and/or cattleguards will be installed if necessary.
- 3. Location of Existing Wells Please refer to Attachment No. 2.
 - Location of Tank Batteries Production facilities will be installed on location.
 - 5. Location and Type of Water Supply Water for the proposed project will be obtained from a water hole located at Largo Wash, SW/4, Sec. 9, T24N, R4W.
 - 6. Source of Construction Materials No additional materials will be required to build either the access road or the proposed location.
 - 7. Methods of Handling Waste Materials All garbage and trash materials will be put into a burn pit shown on Attachment No. 3. When clean-up operations are begun on the proposed project, the burn pit with its refuse will be buried to a depth of at least three feet (3!). If large amounts of liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying any of these materials into the watershed. No earthen pit will be located

on natural drainages; all earthen pits will be so constructed as to prevent leakage from occurring.

- 8. Ancillary Facilities No camps or airstrips will be associated with this project.
- 9. Wellsite Layout Please refer to Attachment No. 3.
- 10. Plans for Restoration of the Surface After completion of the proposed project, the location will be left in such a condition that will enable reseeding operation to be carried out. The reseeding operation will be performed during the time period set forth by the regulatory body. The location production equipment will be painted.
- 11. Other Information The terrain is high sandstone ledges and sagebrush flats with pinon and cedar growing. Cattle graze the proposed project site.
- 12. Operator's Representatives Howard Davis

Parmington, New Mexico

Phone: (505) 325-2409 (Office)

(505) 327-6443 (Home)

Steve Zamets

Denver, Colorado

Phone: (303) 893-2233 (Office)

(303) 794-0494 (Home)

D. E. Wood

Denver, Colorado

Fhone: (303) 893-2233 (Office)

(303) 773-2722 (Home)

13. Certification -

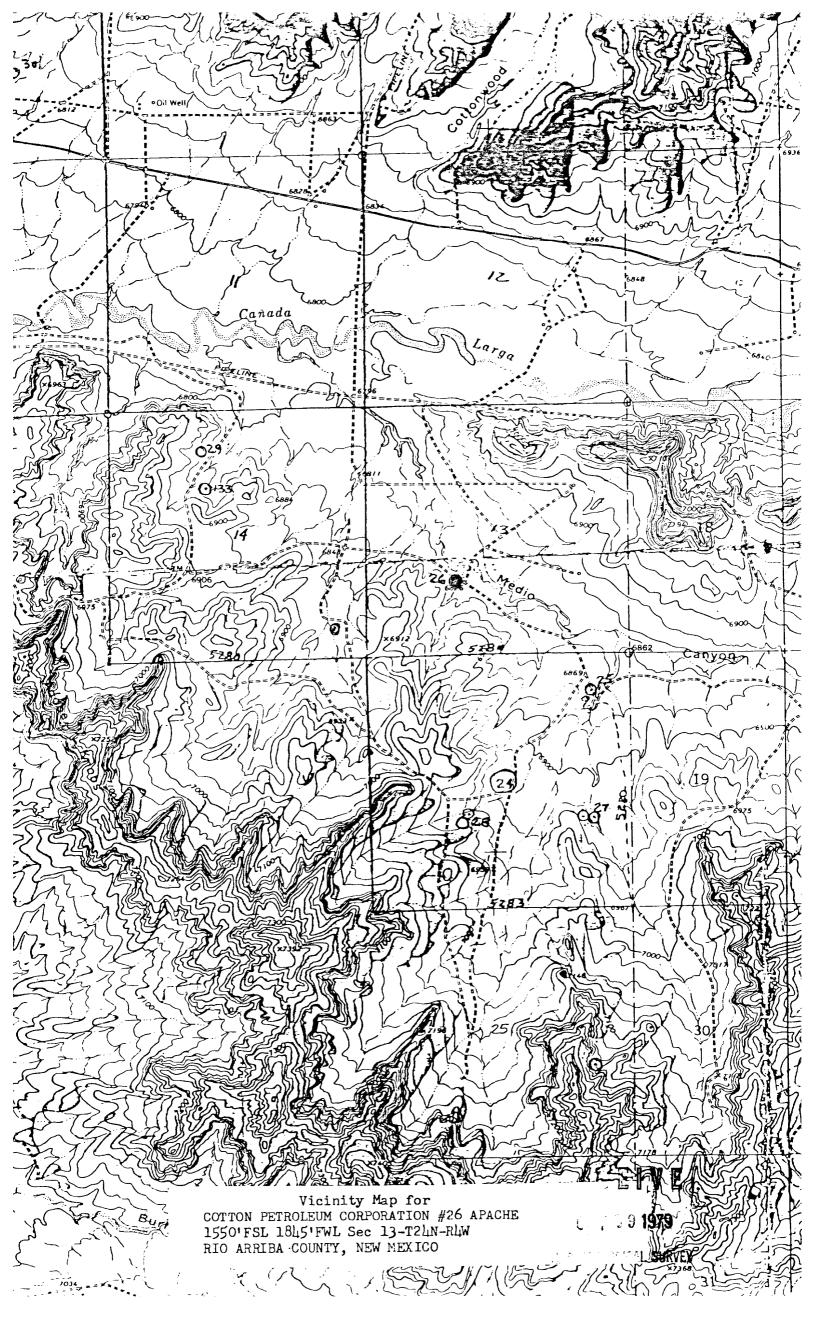
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Cotton Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

D, E. Wood / Dax

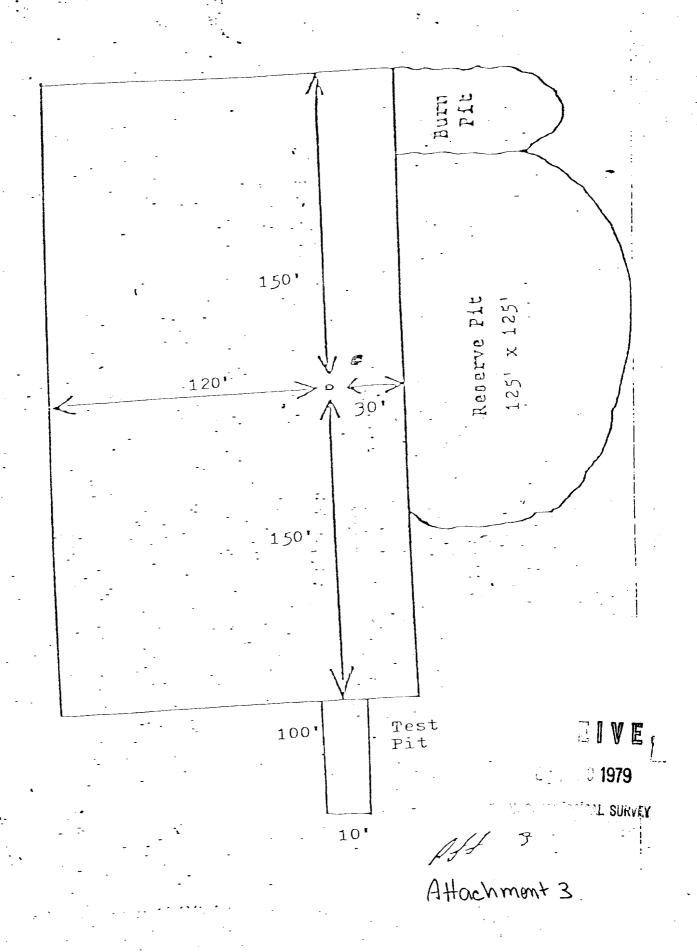
D. E. Wood, Division Production Manager

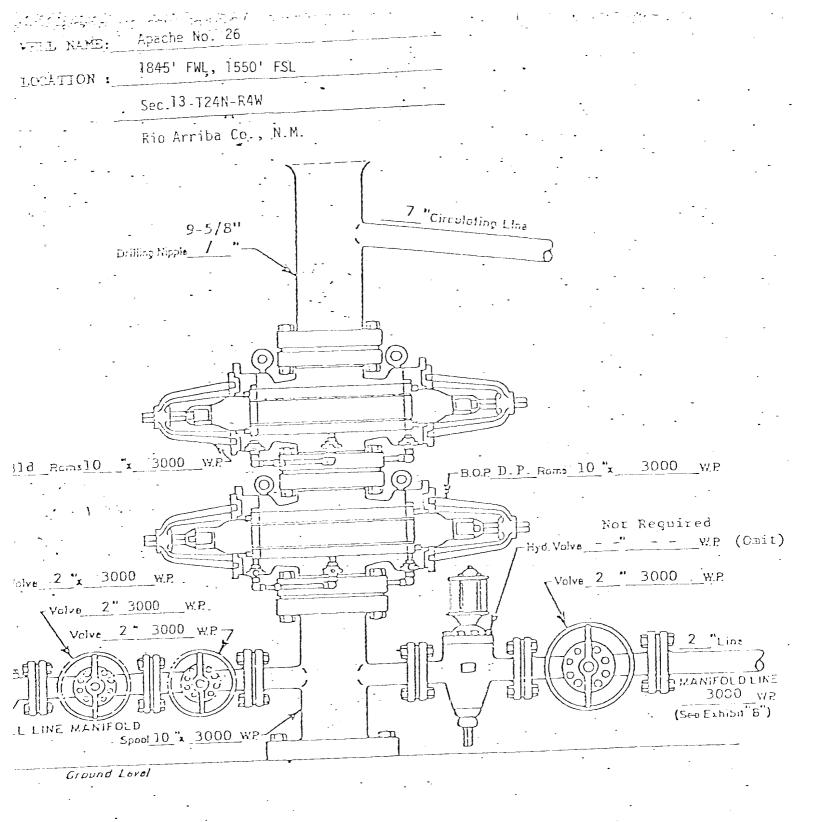
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29	Proposed 1980 Pictured C	liffs Gaowell 27	7	26	25 • •	30





WELL HEAD B.O.P. 3000 ∜W.P.

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TIL SURVEY

Seven Point Well Control Program

- Surface Casing. 1. See Application for Permit to Drill.
- Spools and Flanges. 2.
 - Surface Casing 10", Series 900, 3000 psi W.P.
 - Production, 10", Series 900, 3000 psi W.P. B.
 - Tubing Head Series 900, 3000 psi. W.P.
- Intermediate Casing. 3. None .
- Blowout Preventers Production Hole - 10", 3000 psi Fill, kill and choke manifold - 5000 psi. W.P.
- Additional Equipment (If necessary)
 - Kelly Cock

Pit Level Indicator D.

Bit Float В.

Sub with Valve for E.

Degasser ..

- drill pipe.
- Anticipated Bottom Hole Pressure. 3100 psi. Current mud program is for 9.2 lb./gal mud with hydrostatic head of 3600 psi at 7390 feet. Mud weight will be increased if necessary for higher pressures.
- Drilling Fluid. Oil Basé Mud.

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COLEMAN DRILLING CO. r. p. box 1915 rarmington, N. M. 87401

PHONE SOS / 325-8187

DRILLING RIG INVENTORY

RIG # 2

RATED DEPTH CAPACITY 8,000 FEET WITH 4 1/2" DRILL PIPE

JERRICK: - 127' LEE C. MOORE W/440,000 HOOK LOAD CAPACITY

SUBSTRUCTURE: LEE C. MOORE - 13' K.B.

IRAWVORKS: H-40 D IDECO

ENGINES: 2 EACH V-8 DETROIT DIESEL

MUD PUMPS: IDECO MM600 W/CATERPILLER D-379TA
555 MAX. HP AT 1100 RPM
500 INT. HP AT 1100 RPM
420 CONT. HP AT 1100 RPM

AUXILIARY MUD PUMP GARDNER-DENVER F X Z W/343TAC CATERPILLER

DESILTER: PIONEER 8 CONE CAPACITY 400 GPM

HUD TANK: 1 EACH 500 BBL. (42 GAL PER BBL.) WORKING CAPACITY

WATER STORAGE: 1 EACH 480 BBL. (42 GAL PER BBL.)

GENERATORS: I EACH 90 KW AC AND 1 EACH 30 KW AC

ROTARY TABLE: 23" IDECO 😂

TRAVELING BLOCK: NATIONAL 430 - 150 TONS W/COMB. HOOK

SWIVEL: OILWELL PC 225

BLOW OUT PREVENTER: 10" SHAFFER LWS 3000 WP HYDRAULIC

SPECIAL: CROWN-O-MATIC

SATELITE AUTOMATIC DRILLER - = -

TONG TORQUE GAUGE

RATE OF PENETRATION RECORDER

SHALE SHAKER
TRAILER HOUSE
TWO-WAY RADIO

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