Form approved. Budget Eureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

(Other instructions on reverse side)

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	DEPARTMENT	OF THE IN	LICION		5. LEASE DESIGNATION	AND SERIAL NO.		
	GEOLOG		Contract No. 129					
APPLICATION F								
1a. TYPE OF WORK DRILL		DEEPEN [PLUG BA		Jicarilla Apa			
b. TYPE OF WELL OIL GAS WELL WELL 2. NAME OF OPERATOR	Y OTHER		SINGLE IMPLIFICATIONS ZONE	PLE	S. FARM OR LEASE NAM	E		
	leum Corporati	on			9. WELL NO. 27			
	Suite 2200,	Denver, C	olorado 80202 any State requirements.*)		So. Blanco P.	C. ext		
At proposed prod. zone	820'	FEL, 1600'	FSL, Section 24	_	Sec. 24, T24N	EA		
14. DISTANCE IN MILES AND	DIRECTION FROM NEARES	ST TOWN OR POST	OFFICE*		Rio Arriba	18. STATE New Mexico		
10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, (Also to nearest drig, ut	FT. lit I ne, if any)	320	6. NO. OF ACRES IN LEASE 9. PROPOSED DEPTH	TOT	OF ACRES ASSIGNED HIS WELL 160 ARY OR CABLE TOOLS			
TO NEAREST WELL, DRILL OR APPLIED FOR, ON THIS LI	ING, COMPLETED,		3200 '		Rotary			
21. ELEVATIONS (Show whether					22. APPROX. DATE WOL	RK WILL START* -		
23.		24' GR	AND CEMENTING DRACE		April, 1980			
<u></u>			AND CEMENTING PROGE		QUANTITY OF CEMEN	—————————————————————————————————————		
12-1/4" 7-7/8"	8-5/8" 4-1/2"	24# 10.5#	100 ¹ 3200 ¹	1	50 sx o be determined			
		10101						
for pro Est	circulation	through the vals in the	s well with rotar Pictured Cliffs Pictured Cliffs Fr	formati	on. All possite completed.	g mud ole		
_	rtland				red Cliffs 3040'			
The thi	e SE¼ of Sections well will be	on 24 is de e sold to N	dicated to this w orthwest Pipeline	ell. T	The gas produced	d from		
IN ABOVE SPACE DESCRIBE PE zone. If proposal is to dril preventer program, if any.	oposed Program: If pr l or deepen directionall	oposal is to deepe y, give pertinent	n or plug back, give data on data on subsurface locations	present pro	ductive zone and propose ed and true vertical depth	d new productive s. Give blowout		
SIGNED DE. WOO	d/202	TITL	Bivision Produc	tion Ma	angernate Oct	ober 23, 1979		
(This space for Federal	or State office use)				^			
PERMIT NO.			APPROVAL DATE	$-\int c_{r}$		<u> </u>		
APPROVED BYCONDITIONS OF APPROVAL,		TITL	Е		DATE			
oh 3	runk	*Caa lasta	tions On Reverse Side	2	Marian Company			

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

All distances must be from the cuter boundaries of the Section.

Operator			Lease				Well No.
	TROLEUM CORFO	RATION	APAC	APACHE			27
Unit Letter	. Ran	Range					
I	24	24N		ЦW	H10 A	rriba	
Actual Footage Lo		`	820			East	
1600	reet from the	South	Time drid	fe	et from the		line cated Acreage:
Ground Level Elev		red Cliffs	Pool	Rlanco P	ictured	Cliffs ** †	160 Acres
6924							at helow
2. If more t	han one lease in and royalty).	s dedicated t		e each and id	entify the o	wnership therec	of (both as to working
dated by Yes If answer	No If	unitization, f	orce-pooling.etc? es;" type of consol	idation			(Use reverse side of
No allows	if necessary.)able will be assigned of the will be assigned of the state of the s	gned to the we	ll until all interes on-standard unit, e	ts have been liminating su	consolidate ch interests	ed (by communi s, has been app	tization, unitization, roved by the Commis-
						CE	RTIFICATION
	 			1079		Name D. E. Woo Position Division Company	that the information construction construction complete to the wledge and belief. d Production Manage
	 	Sec.		1		October 2	3, 1979
	i		160) Acres			
	 		214		820!	shown on this notes of actual under my supe	ify that the well location plat was plotted from field all surveys made by me or rvision, and that the same orrect to the best of my belief.
·	 ·			1600!		and/or Land Sur	essional Engineer
Principal Control		7				Certificate No.	
0 330 660	90 1820 1650	1980 2310 2640	2000 150	0 1000	500 0	3950	

COTTON PETROLEUM CORPORATION APACHE NO. 27

Multi-Point Surface Use Flan

- 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. Flammed Access Roads Flease 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.
 - 4. Location of Tank Eatteries 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
 Farmington, 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

Phone: (303) 893-2233 (Office)

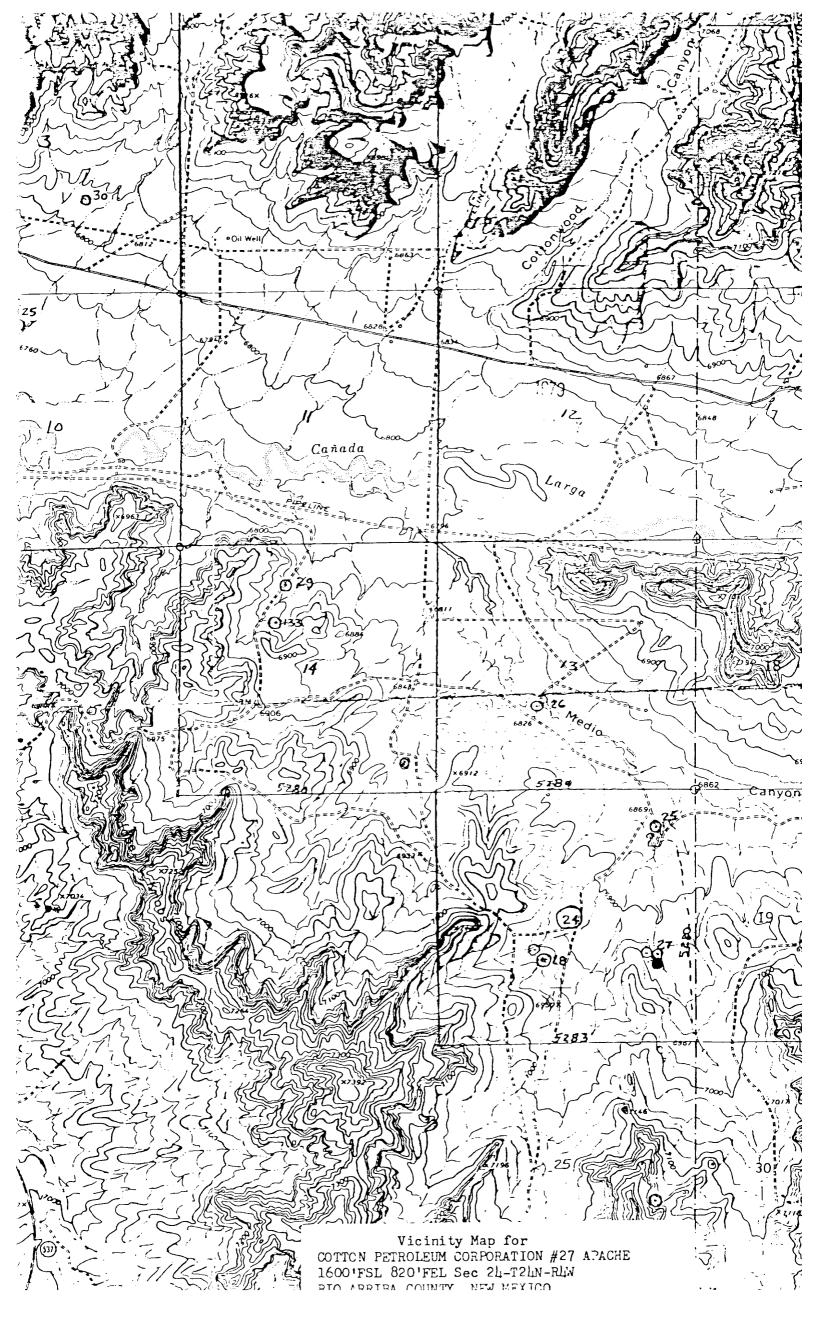
(303) 773-2722(Home)

13. Certification -

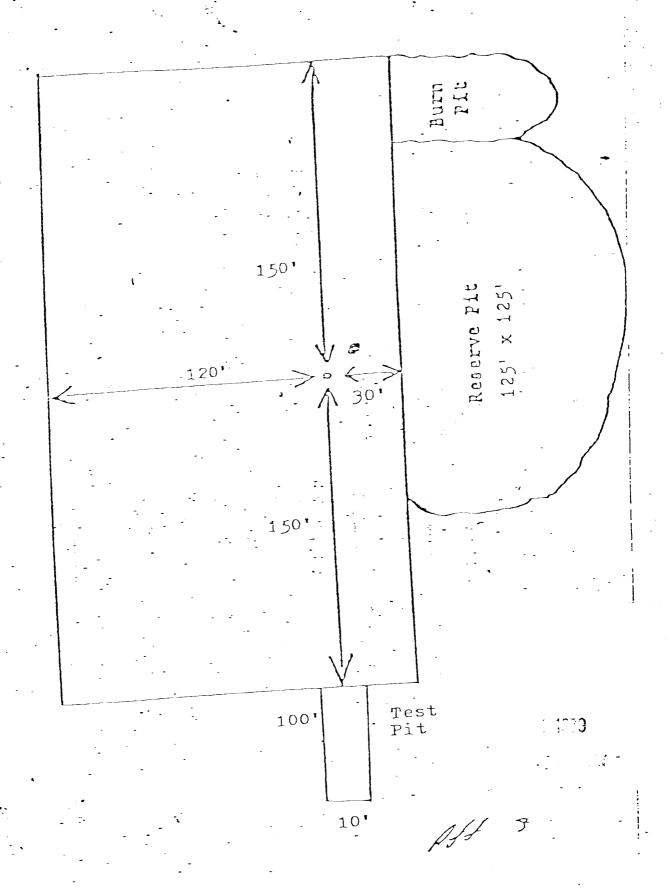
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated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

D.E. Wood Shit.

D. E. Wood, Division Production Manager



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	Producing Gallup-Dakota Oil Well Producing Pictured Cliffs Gas Well Proposed 1980 Gallup-Dakota Oil Well	5 6 O 0		2 O	7
2 9	Proposed 1980 Pictured Cliffs Gao well	27	26	2 0	5 30



Attachment 3

COTTON PETROLEUM CORPORATION APACHE NO. 27-820' FEL, 3600' FSL Sec 24 - 124N-R4W Rio Arriba Co., N.M.

Seven Point Well Control Program

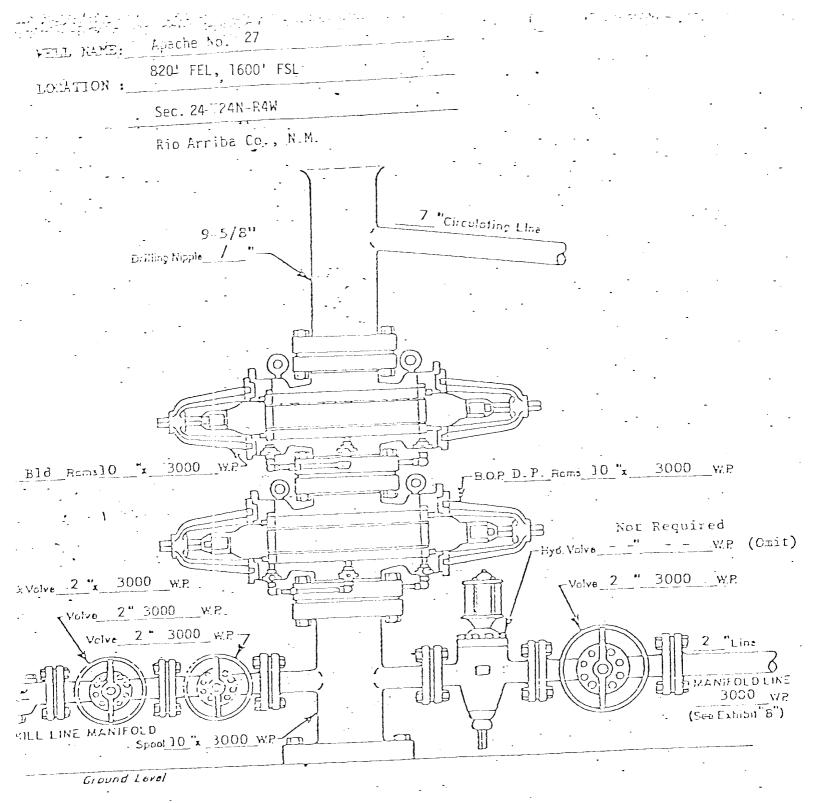
- Surface Casirg. 1. See Application for Permit to Drill.
- Spools and Flanges. 2.
 - Surface Casing 10", Series 900, 3000 psi W.P.
 - Production, 10", Series 900, 3000 psi W.P.
 - Tubing Head Series 900, 3000 psi. W_P.
- Intermediate Casing. 3. None
- Blowout Preventers 4. - 10", 3000 psi Production Hole Fill, kill and choke manifold - 5000 psi. W.P.
- Additional Equipment (If necessary)
 - A. Kelly Cock

Pit Level Indicator D.

Bit Float В.

Sub with Valve for E.

- C.
- drill pipe. Degasser .
- 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. 7. Oil Basé Mud.



WELL HEAD B.O.P. 3000 ₹W.P.

Hydroulic

COLEMAN DRILLING CO. F. O. BOX 1915 FARMINGTON, N. M. E7401

THONE SOR / 325-6882

DRILLING RIG INVENTORY

RIG # 2

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

JEHRICK: 127' LEE C. HOORE V/440,000 HOOK LOAD CAPACITY

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

IRAWATORKS: H-40 D ILECO

ENGINES: 2 EACH V-8 DETROIT DIESEL

MUD PUMPS: IDECO FM600 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

LESILTER: PIONEER 8 CONE CAPACITY 400 GPM

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

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

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

ROTARY TABLE: 23" IDECO

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

SWIVEL: OHWELL 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 SHALER TRAILER HOUSE

TWO-WAY RADIO