SUBMIT IN TEIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42 R1425.

30-039-22202 5. LEASE DESIGNATION AND SERIAL NO.

Contract No. 129
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

	IN FOR PERMIT	TO DRILL,	DEEPE	EN, OR PLUG-I	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
a. TYPE OF WORK				- C		Jicarilla Apache			
D. TYPE OF WELL	RILL X	DEEPEN		PLUG BA					
OIL WELL	GAS WELL Y OTHER			NGLE M197	. ∂ ⊾ □	S. FARM OR LEASE NAME			
NAME OF OPERATOR				., .		Apache			
<u>Cotton Pe</u>	troleum Corpora	tion			<u> </u>	9. WELL NO.			
					•	28			
/ / / th	Street, Suite (Report location clearly)	ZZUU, DENVEI and in accordance wi	C. LO ith any S	LONG QOSUZUZ State requirements.*)		So. Blanco P. C. Or F			
At surface		WL, 1750' FS				11. SEC., T., R., M., OR BLK. ANI SURVEY OR AREA			
At proposed prod.		, , , , , , ,	, -,		_	Sec. 24-T24N-R4W			
THE THE TENTE	S AND DIRECTION FROM S	FAREST TOWN OF PO	ST OFFICE			N M D M 12. COUNT OR PARISH 13. STATE			
i. DISTANCE IN MILE	S AND IMPORTION THOM .		., ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Rio_ArribaNew Mexic			
DISTANCE PHOM PRO LOCATION TO NEAR			16. NO	OF ACRES IN LEASE		OF ACRES ASSIGNED THIS WELL			
PROPERTY OR LEAS		790 '				160			
8. DISTANCE FROM PE TO NEAREST WELL	DRILLING, COMPLETED,		19. PR	OPOSED DEPTH		OTARY OR CABLE TOOLS			
OR APPLIED FOR, ON THIS LEASE, FT. I. ELEVATIONS (Show whether DF, RT, GR. etc.)				3200'	I KO	22. APPROX. DATE WORK WILL START*			
C. REEVALIONS (SHOW	Themer DI, III, Git. Cal.		5961'	GR		April, 1980			
3.		PROPOSED CASI	NG ANI	CEMENTING PROGR	AM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER I	 FOOT	SETTING DEPTH		QUANTITY OF CEMENT			
12-1/4"	8-5/8"	24#	100_'			150 sx			
7-7/8"	4-1/2"	10_5#		3200'	_	To be determined			
	mud for circul	ation through	gh the	ell with rotar; e Pictured Cli ctured Cliffs w	ffs for	using drilling mation. All possible completed.			
	Estimated form	nation tops:							
	Ojo Alamo Kirtland	2500' 2700'	Fruitl Pictur			and 2920' red Cliffs 3040'			
				ated to this w	ר וו _ר	he gas produced			

APPROVAL DATE

DATE

TITLE _

(This space for Federal or State office use)

PERMIT NO. _

APPROVED BY _

CONDITIONS OF APPROVAL, IF ANY

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102 kerised 10-1-78

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

Operator	OLEUM CORP			Leose APACH	न			Well No.
Unit Letter	Section	Township		Range		County		1 20
K K	24	24N		ГМ			Arriba	-
Actual Footage Loca		1 241			1	1:10	3.1 1 <u>1 5 4</u>	
1750	feet from the	South	line cond	1850	feet	from the	West	line
Ground Level Elev. 6961	L	g Formation tured Cliff	`s	Pool	lanco Pici	tured Cl	سها ــ	dicated Acreage: 160 — Acres
							marks on the p	
2. If more th interest an	an one lease d royalty).	is dedicate	d to the well	, outline e	ech and iden	atify the o	wnership there	eof (both as to working
dated by co	ommunitizatio	on, unitization If answer is "	, force-poolii 'yes;' type o	ng. etc? I consolida	ation			I. (Use reverse side of
No allowab	le will be ass							itization, unitization, proved by the Commis-
	1 160 4	Sec.					I hereby certificationed herein best of my known Name D. E. WOO Name D. F. WOO Position Division Company	d Production Manager troleum Corporatio
1850' 	1750.	, 	24		0 1979		shown on this notes of actua under my supe is true and a knowledge and Date Surveyed	
330 660 -9	0 1320 1650	1980 2310 26	40 2000	1500	1000 500		Centificate We.	Kerr Jr.

COTTON PETROLEUM CORPORATION APACHE NO. 28

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.
- 4. 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 earthem 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
 Fhone: (505) 325-2409 (Office)
 (505) 327-6443 (Home)

Steve Zamets
Denver, Colorado
Phone: (303) 893-2233 (Office)
(303) 794-0494 (Home)

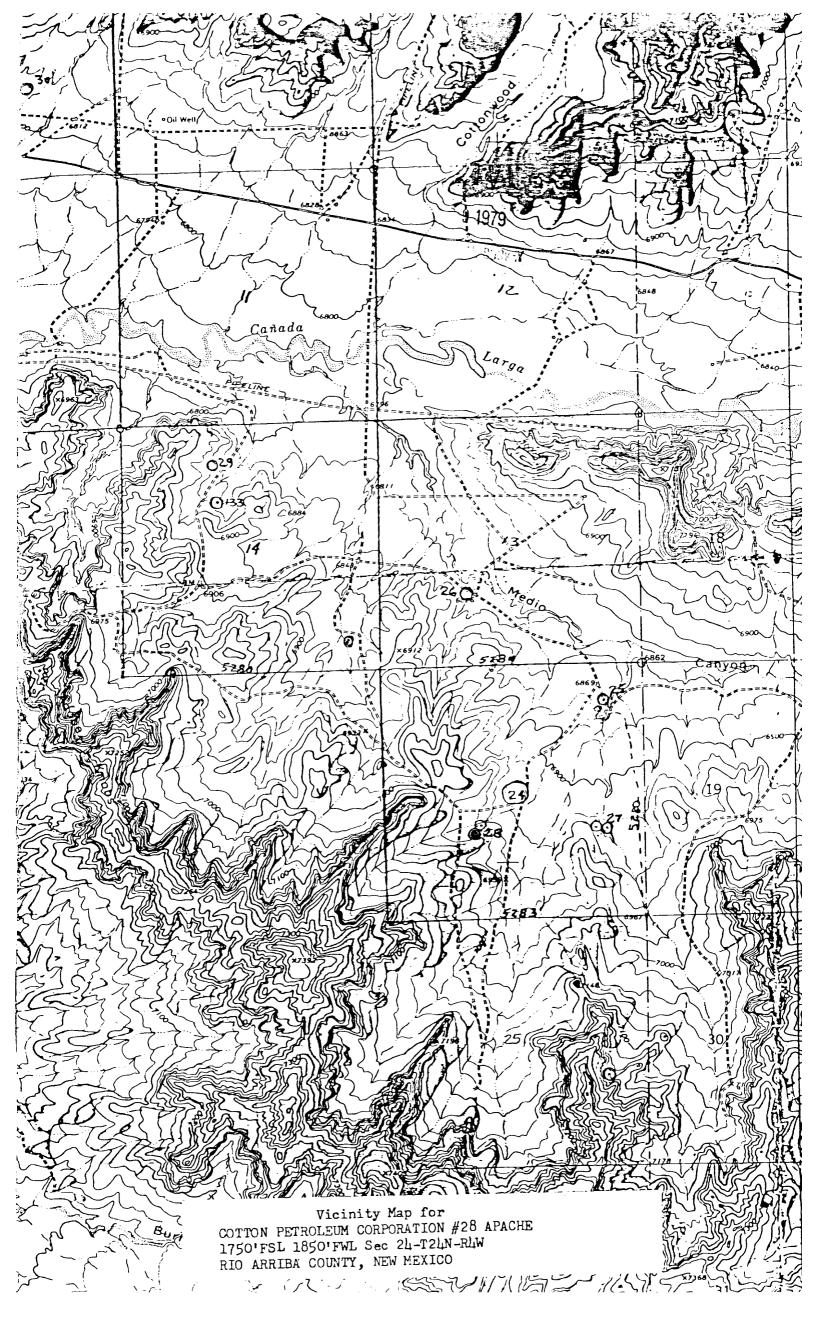
D. E. Wood
Denver, Colorado
Phone: (303) 893-2233 (Office)
(303) 773-2722 (Home)

13. Certification -

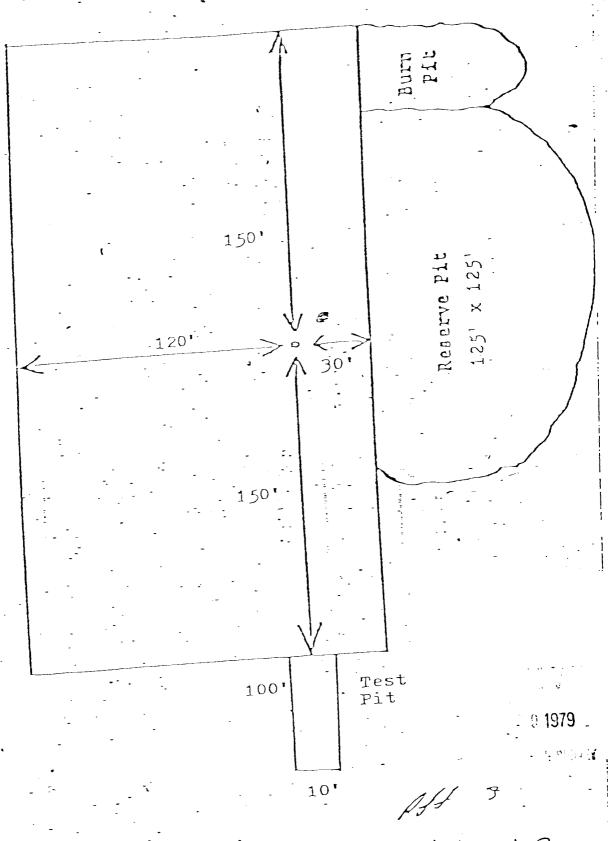
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Cotton 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, Division Production Manager

0 1979



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Producing Gollup-Dakota Oil Well 5		2	.; .; .; .; .; .; .; .;	2 2			23	Ö	4	H 9
Proposed 1980 Gallup-Dalcola Oil Well		Producing Pictured	Cliffs Gas Well	C	6 O	to the second se			e de la	.,



Attachment 3

COTTON PETROLEUM CORPORATION APACHE NO. 28-1850! FWL, 1750' FSL Sec 24 - T24N-R4W Rio Arriba Co., N.M.

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. В.
 - Tubing Head Series 900, 3000 psi. W.P.
- Intermediate Casing. None .
- Blowout Preventers - 10", 3000 psi Production Hole Fill, kill and choke manifold - 5000 psi. W.P.
- Additional Equipment (If necessary)
 - A. Kelly Cock

Pit Level Indicator

Bit Float

Sub with Valve for E.

C. Degasser

- drill pipe.
- Anticipated Bottom Hole Pressure. 3100 psi. Current mud program is for 9.2 lb./gal mud with 6. hydrostatic head of 3600 psi at 7390 feet. Mud weight will be increased if necessary for higher pressures.
- Drilling Fluid. Oil Basé Mud.

COLEMAN DRILLING CO. F. P. BOX 1915 FARMINGTON, N. M. 27401

EMONE 303 / 323-4472

DRILLING RIG INVENTORY

RIG # 2

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

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

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

DRAWWORKS: H-40 D IDECO

ENGINES: 2 EACH V-8 DETROIT DIESEL

HUD 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

IESILTER: PIONEER 8 CONE CAPACITY 400 GPM

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

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

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

HOTARY TABLE: 23" IDECO 1

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:

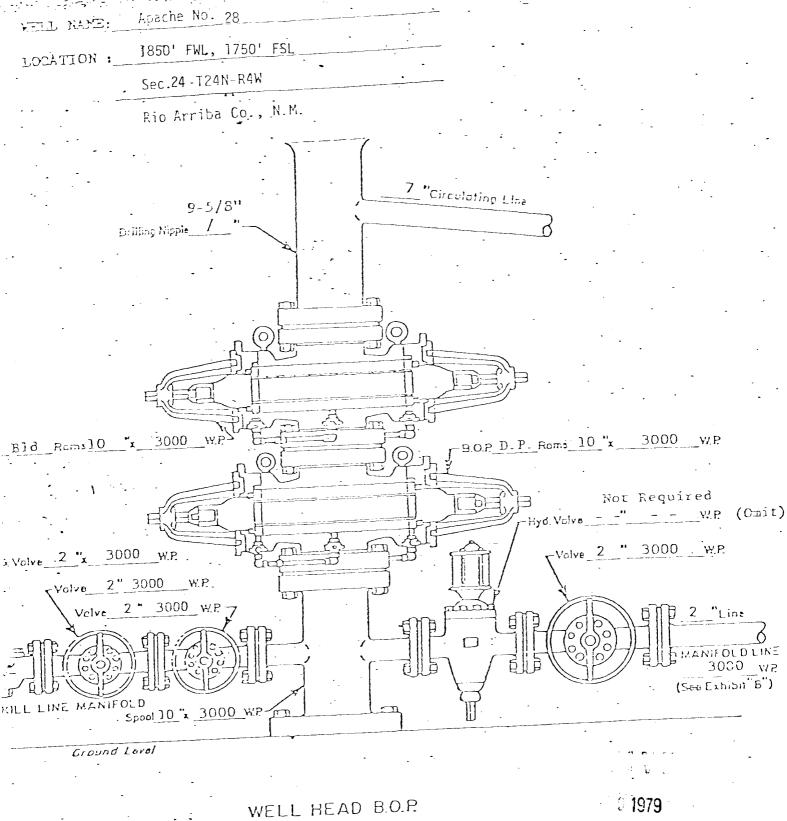
SATELITE AUTOMATIC DRILLER

TONG TORQUE GAUGE

RATE OF PENETRATION RECORDER

SHALE SHAKER TRAILER HOUSE TWO-WAY RADIO

ୀ 1979



3000 ₩W.P.

Hydroulic