SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

	approved		
Budget	Bureau	No.	42~R142

UNITE	D S	TATE	S
DEPARTMENT	OF '	THE	INTERIOR

(May 1000)		TED STATE		reverse si		30-039-2760	
	DEPARTMEN			RIUR		5. LEASE DESIGNATION AND SERIAL NO.	
						Contract No. 127	
	FOR PERMIT	TO DRILL,	DEEP	EN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
	LL 🕱	DEEPEN		PLUG BAC	CK 🗌	7. UNIT AGREEMENT NAME	
b. TYPE OF WELL OIL	S OTHER			INGLE MULTIP	LE	8. FARM OR LEASE NAME	
WELL WI	<u> </u>					Apache	
COTTON PETRO	LEUM CORPORATI	ON				9. WELL NO.	
3. ADDRESS OF OPERATOR						108	
2502 Lincoln	Center Bldg.,	, 1660 Linc	oln,	Denver, Colo. 8	0264	10. Linding of all Tups AT	
At proposed prod. zon.	FNL, 660 FEL,		th any	State requirements.*)	-	Dakota West 11. SEC., T., B., M., OR BLE. AND SURVEY OR AREA Sec. 10-T24N-R4W	
• • •						N.M.P.M.	
14. DISTANCE IN MILES A	ND DIRECTION FROM NE.	AREST TOWN OR POS	ST OFFIC	E*		Rio Arriba New Mexico	
15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drlg	INE, FT.	660	16. N	O. OF ACRES IN LEASE		of acres assigned his well 160 acres	
18. DISTANCE FROM PROPORTO NEAREST WELL, DI OR APPLIED FOR, ON THE	OSED LOCATION* RILLING, COMPLETED,		19. P	7700 P		CART OR CABLE TOOLS	
21. ELEVATIONS (Show whe						22. APPROX. DATE WORK WILL START* 6-15-78	
23.		PROPOSED CASI	NG AN	D CEMENTING PROGRA	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER I	FOOT	SETTING DEPTH		QUANTITY OF CEMENT	
12-1/4"	8-5/8	24.0		300 '	·	300 sacks	
7-7/8"	4-1/2	10.50&11.	60	7700 •		To be determined	
tion medium, th Dakota Formatio	nrough the Dake on will be com	ota Formational of the contract of the contrac	on. downh	Possible produc	tion z Prod	lling mud as a circula- cones in the Gallup and fuction casing will be ation.	
Estimated Forma	ation Tops						
Pictured Cli) '		Greenhorn		7 000 '	
Cliff House	4490) '	Graneros			7055	
Gallup 6160'			Dakota 7075'			7075	
produced from t	chis well is co	ommitted.		well. 160 Acre	•	MAY 8 1978	
zone. If proposal is to preventer program, if an	PROPOSED PROGRAM: If	nwanaeni ie ta dae	epen or	plug back, give data on p	resent prod	ductive zone and proposed new productive	
24.	drill or deepen direction	nally, give pertiner	it data	on subsurface locations at		d and true vertidi Caeptas. Give blowout	
SIGNED	drill or deepen direction	mally, give pertiner		on subsurface locations at	<u>-</u>		
SIGNED D. E.	drill or deepen direction	mally, give pertiner	D i	on subsurface locations at	<u>-</u>	nager May 4, 1978	
D. E.	Wood ral or State office use)	nally, give pertinen	D i	vision Producti	<u>-</u>	nager May 4, 1978	
D. E.	Wood ral or State office use)	mally, give pertiner	D i	on subsurface locations at	<u>-</u>	nager May 4, 1978	
(This space for Fede	Wood ral or State office use)	Table 1	D i	vision Producti	Lon Man	nager May 4, 1978	

of 3mh

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY DURANGO, COLO.

All distances must be from the outer boundaries of the Section

		All distances must be	from the outer boundari	es of the Section			
Operator	OUTEIM CODDOD	ATTON	Lease	•		Well No.	
Unit Letter	OLEUM CORPORA Section	Township	Apache Ronge	County		108	
H	10	24N	<u>∏</u> W	ļ -	o Arriba	mary.	
Actual Footage Loc							
2100 Ground Level Elev.	feet from the NOI			feet from the	East	line	
6762	Dakota	mation	Pool Lindrith Dakota V	n Gallup- Vest ∠×	1 .	edicated Acreage: 160 — Acres	
1. Outline th	e acreage dedicat	ted to the subject v	vell by colored pen	cil or hachure	marks on the	plat below.	
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).							
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?							
Yes	No If an	swer is "yes," type	of consolidation _				
If answer i	is "no" list the a	owners and tract des	crintions which has	ze actually he	en consolidate	d. (Use reverse side of	
	necessary.)						
					•	nitization, unitization, proved by the Commis-	
	1					CERTIFICATION	
	1		1				
1	1		i		1	ify that the information con-	
	i		1	<u>.</u>	I	nowledge and belief.	
	1			770	Name	d wood	
	+	+		-	D. E. Woo	đ	
	1		1		Position Division	Production Manager	
			1	((0)	Company	troleum Corporation	
	i 		i	660'	Date Date	croteum corporacion	
	1		1	Ì	May 4, 19	7 8	
	<u> S</u>	ec 10					
	1		1		I hereby car	rtify that the well location	
	i		 			s plat was plotted from field	
	1	AF	ACHE No. 108		1	ual surveys made by me or	
	! 		ĺ		1	ervision, and that the same correct to the best of my	
1	ì		. !		knowledge an	· ·	
	+						
	l I	:		- F	Date Surveyed		
	1				April 2	A TOTAL TOTAL	
	1				Registered Production	rveyor	
	† !		 		Frede	Herr Jr.	
					Certificate No.	Exic	
0 330 660	00 1320 1650 1980	2310 2640 200	0 1500 1000	500 0	3950	KERR JR.	

Francisco Contraction

COLEMAN DRILLING CO. P. O. BOX 1915 FARMINGTON, N. M. 87401

PHONE 505 / 325-6892

DRILLING RIG INVENTORY

RIG # 2

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

DERRICK: 127' LEE C. MOORE 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

420 CONT. HP AT 1100 RPM

MUD PUMPS: IDECO MM600 W/CATERPILLER D-379TA

555 MAX. HP AT 1100 RPM

500 INT. HP AT 1100 RPM

W/343TAC CATERPILLER

AUXILIARY MUD PUMP

GARDNER-DENVER F X Z

W/343TAC CATERPILLER

DESILTER: PIONEER 8 CONE CAPACITY 400 GPM

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

WATER STORAGE: 1 EACH 480 BBL. (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: 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

WELL NAME:	•
LOCATION:	•
· · · · · · · · · · · · · · · · · · ·	
9-5/8" Prilling Nipple / "-	ling Line
Drilling Nipple"	
BOP Bld Roms 10 "x 3000 WP HED TO	
TO THE OF THE OF	P.D.P. Roms 10 "x 3000 W.P.
	Not Required Hyd. Valve " W.P. (Omit)
Check Voive 2 "x 3000 W.P.	Valve 2 " 3000 W.P.
Volve 2" 3000 W.P.	Addres 5 2000 MV
Vclve 2 " 3000 W.P. 7	The line
*/ex	
	MANIFOLD LINE 3000 WR
KILL LINE MANIFOLD Spool 10 "x 3000 WP	(See Exhibit "B")
Ground Level	

WELL HEAD B.O.P. 3000 #W.P.

☑ Hydraulic

COTTON PETROLEUM CORPORATION APACHE NO. 108

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.
- 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 (31). 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: (Cotton Petroleum Corporation)

Walsh Engineering Farmington, New Mexico Phone: (505) 325-8203

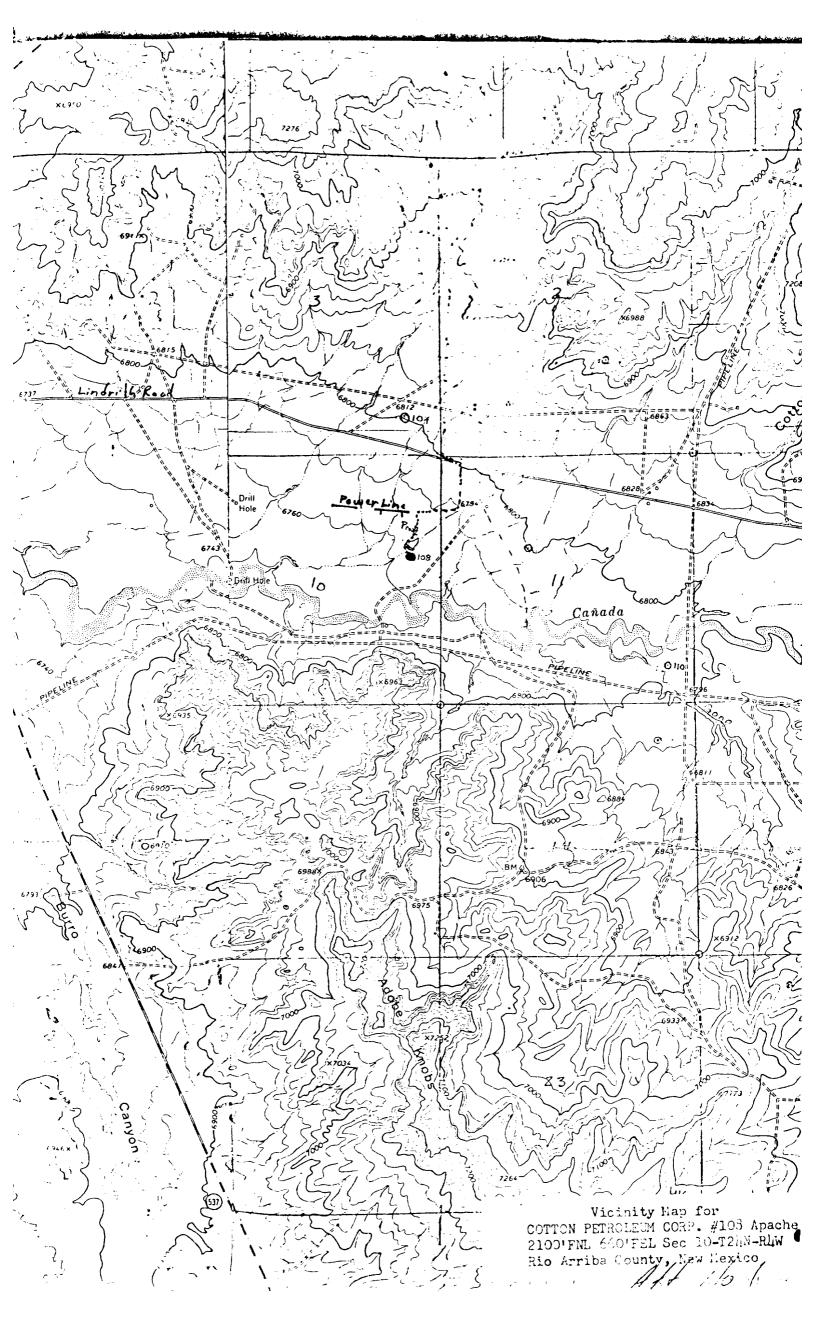
D. E. Wood
Denver, Colorado
Phone: (303) 861-9202 (Office)
(303) 770-2177 (Home)

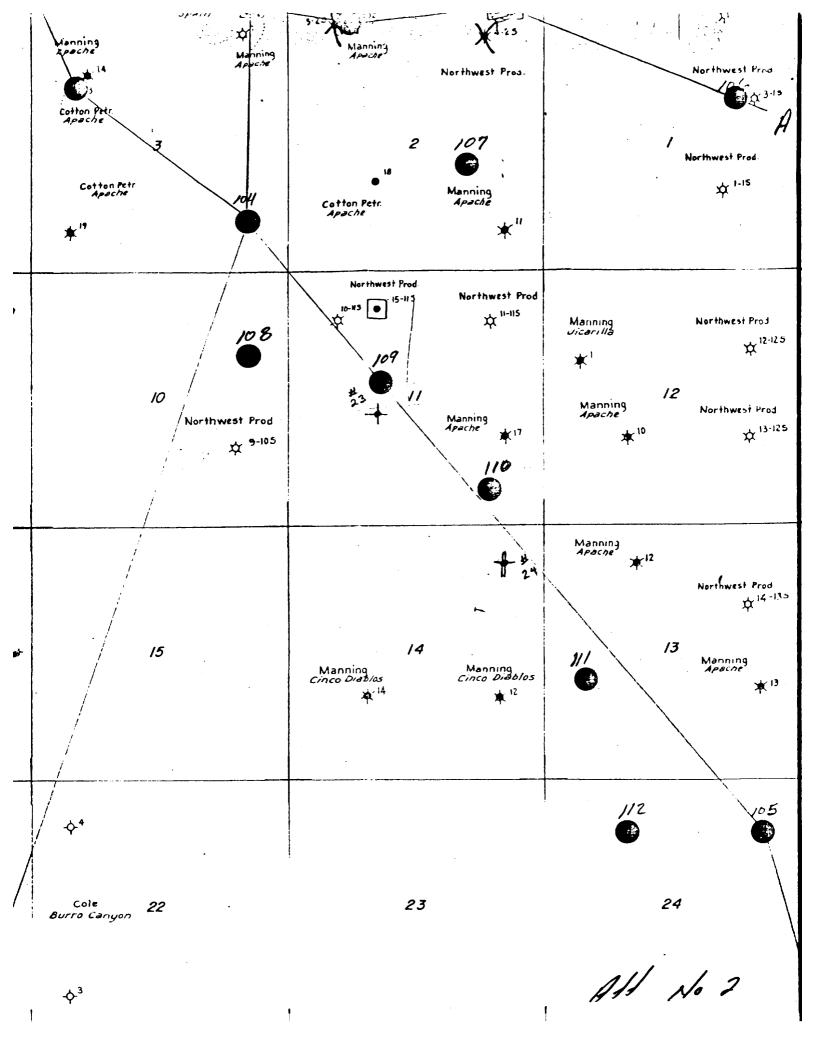
13. Certification -

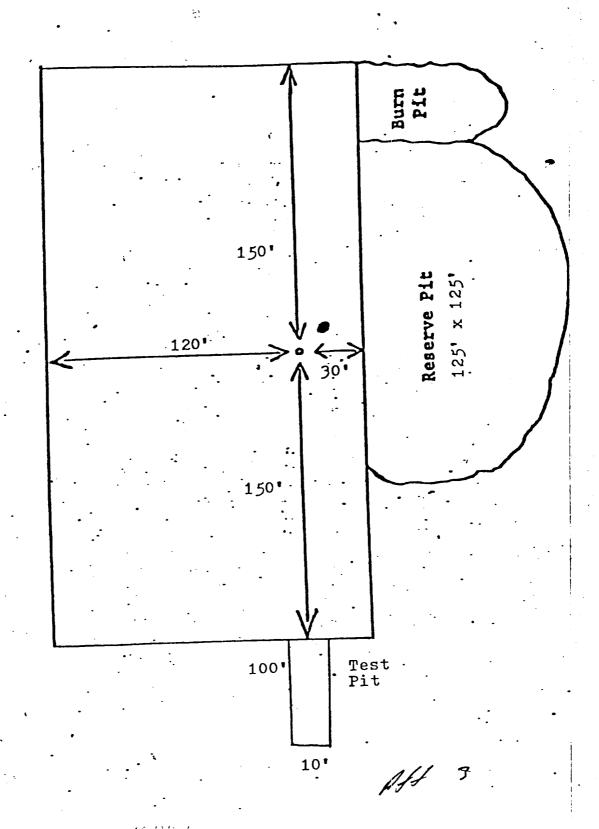
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated 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.

May 4, 1978

D. E. Wood, Division Production Manager







COTTON PETROLEUM CORPORATION APACHE NO. 108 2100'FNL, 660'FEL, Sec. 10-T24N-R4W Rio Arriba County, New Mexico

Seven Point Well Control Program

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

D. Pit Level Indicator

B. Bit Float

E. Sub with Valve for

C. Degasser

- drill pipe.
- 6. 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.

7. Drilling Fluid. Oil Base Mud.