SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

30 - 03	9 -	218	94
5. LEASE DESIGNAT	NA MOIT	D BERIAL	NO.
Contract	No.	126	

• •	GEOL	OGICAL SURV	ΕY			Contract No	. 126	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
a. TIPE OF WORK					Jicarilla Apache			
	RILL X	DEEPEN		PLUG BA				
	VELL OTHER			INGLE MULTIP	LE	8. FARM OR LEASE NA	K E	
NAME OF OPERATOR	WELL OTHER	<u> </u>		3012		Apache		
Cotton Petro	oleum Corporati	on				9. WELL NO.		
2502 Lincoln Center Bldg., 1660 Lincoln St., Denver, CO. 80264					118			
					80264	10. Lindrith	TUPCAT	
LOCATION OF WELL ()	Report location clearly an	d in accordance wi	th any 8	State requirements.*)		Dakota West	ex/	
1980' FWL, 1980' FSL At proposed prod. zone						11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
						Sec. 12-T24N-R4W N.M.P.M.		
DISTANCE IN MILES	AND DIRECTION PROM NE	AREST TOWN OR POS	T OFFIC	<u></u>		12. COUNTY OR PARISH		
DISTANCE IN MILLS	AND DIRECTION PROM NE		. 02210	-		Rio Arriba	New Mexic	
DISTANCE FROM PROI	OSED*		16. NO	O. OF ACRES IN LEASE	17. NO. 6	OF ACRES ASSIGNED	1	
LOCATION TO NEARES PROPERTY OR LEASE	LINE, FT.	1980'				160 acres		
(Also to nearest dr	g. unit line, if any) POSED LOCATION®		19. PE	ROPOSED DEPTH	20. ROTA	20. ROTARY OR CABLE TOOLS		
	DRILLING, COMPLETED,		7700'		Ro	Rotary		
-	ether DF, RT, GR, etc.)				'	22. APPROX. DATE WO	RE WILL START*	
6797	' GR					1-1-79		
		PROPOSED CASI	NG ANI	CEMENTING PROGRA	M			
BIZE OF HOLE	BIZE OF CASING	WEIGHT PER F	0 0T	SETTING DEPTH		QUANTITY OF CEME!	iT	
12-1/4"	8-5/8"	24.0		300'	300 s	acks		
7-7/8"	4-1/2"	10.50 & 1	1.60	7700'	To be	determined		
medium, thro Dakota Forma cemented in	ough the Dakota ation will be c such a manner	Formation. ompleted and as to protect to a second contract to a second c	Pos d dow ct th	cary tools, and sible production whole commingle e Pictured Clines of the contract of the cont	on zone ed. <u>Pr</u> ffs For	es in the Gallu roduction casin	ip and	
pic on 5 sie	ies perore spud	uring. Teller	L TUI		•			
Estimated Fo	ormation Tops							
Pictured		2850'		Greenhorn		7000'		
Cliff Ho	ıse	4490'			70551		الله الله	
Gallup		6160'		Dakota		7075'	in the second se	
The SW/4 of produced fro	Section 12 is om this well is	dedicated to committed.	o thi	s well. 160 a	cres.	The natural ga	is to be	
e. If proposal is to venter program, if a	drill or deepen direction	proposal is to deep nally, give pertinen	pen or p	olug back, give data on pon subsurface locations an	resent prod id measure	uctive sone and propose d and true vertical depth	d new productive is. Give blowout	
SIGNED D. E.	Vallood	TIT	Di	vision Product	ion Mar	nager DATE 9-5-	78	
(This space for Fed	eral or State office use)	1				er filtige		
PERMIT NO.			·	APPROVAL DATE				
					r) E D	0.4070		
APPROVED BY	VAL. IF ANY	Tin	rl e		<u> </u>			
	•			į	e de la companya de l	Section 1		
0251	wh				* +	San San San		

of Snah

All distances must be from the outer boundaries of the Section Well No. Lease Operator COTTON PETROLEUM CORPORATION APACHE 118 Township Hange County 12 24N W Rio Arriba Actual Footage Location of Well: 1980 1980 South feet from the line and feet from the line Ground Level Elev. Dedicated Acreage: Producing Formation Lindrith Gallup-Dakota West 160 Dakata 6797 1. Outline the acreage dedicated to the subject well by colored pencil 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 answer is "yes," type of consolidation ... If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Name D. E. Wood Division Production Manager Cotton Petroleum Corporation September 5, 1978 12 I hereby certify that the well location shown on this plat was plotted from field 19801 notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

600

1000

1320 1650

1980

2310

2000

1500

COTTON PETROLEUM CORPORATION APACHE NO. 118

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 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) 861-9202 (Office)

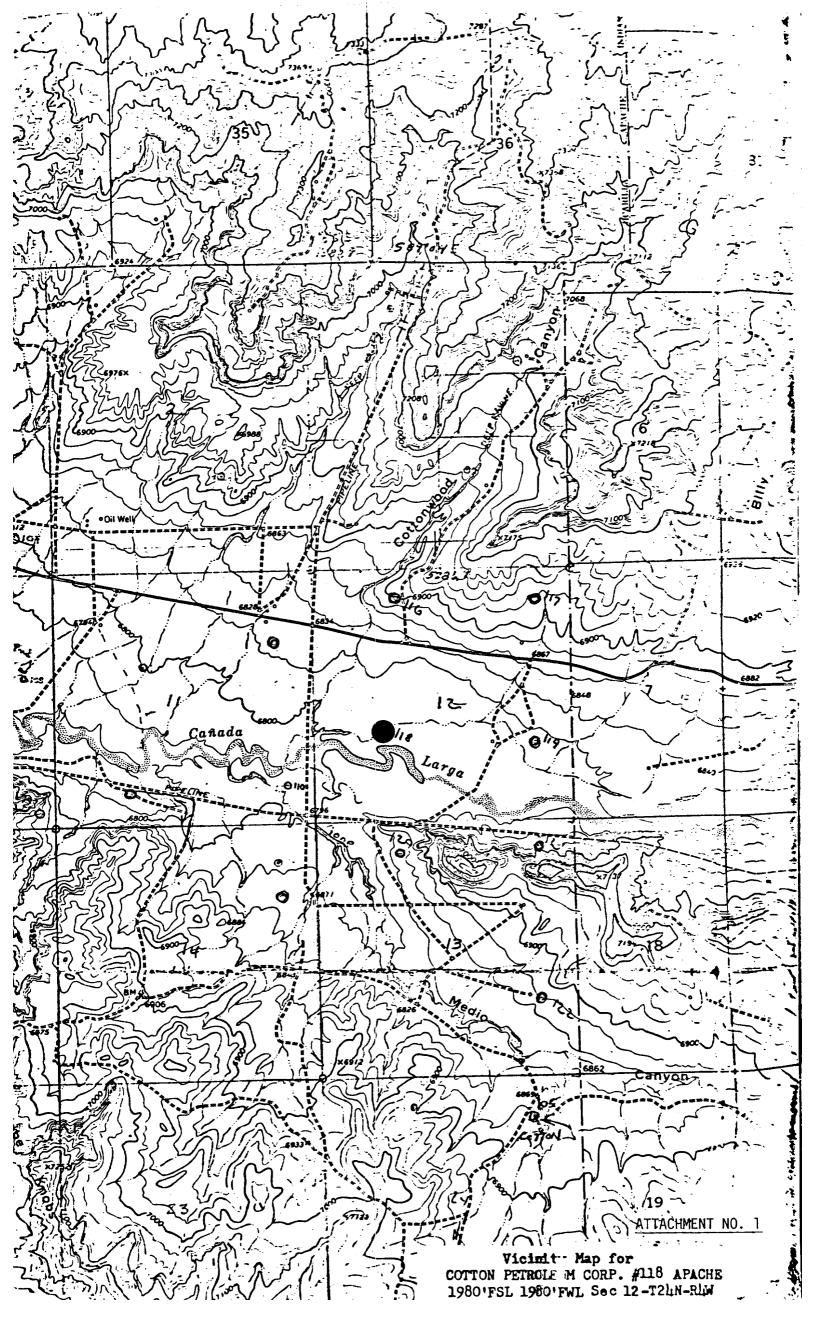
Phone: (303) 861-9202 (Office) (303) 451-7115 (Home)

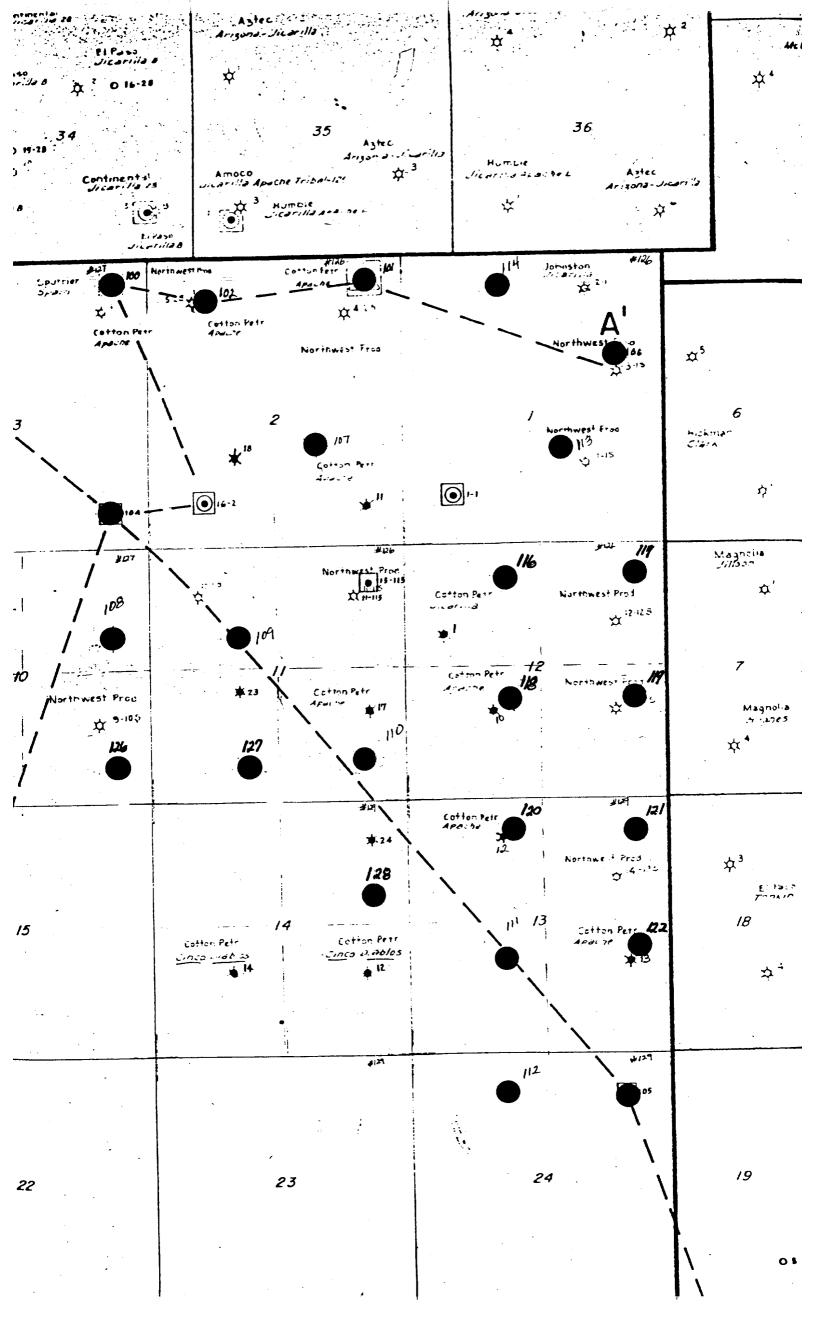
D. E. Wood
Denver, Colorado
Phone: (303) 861-9202 (Office)
(303) 770-2177 (Home)

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.

D. E. Wood, Division Production Manager





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

PHONE 505 / 325-6592

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

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

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

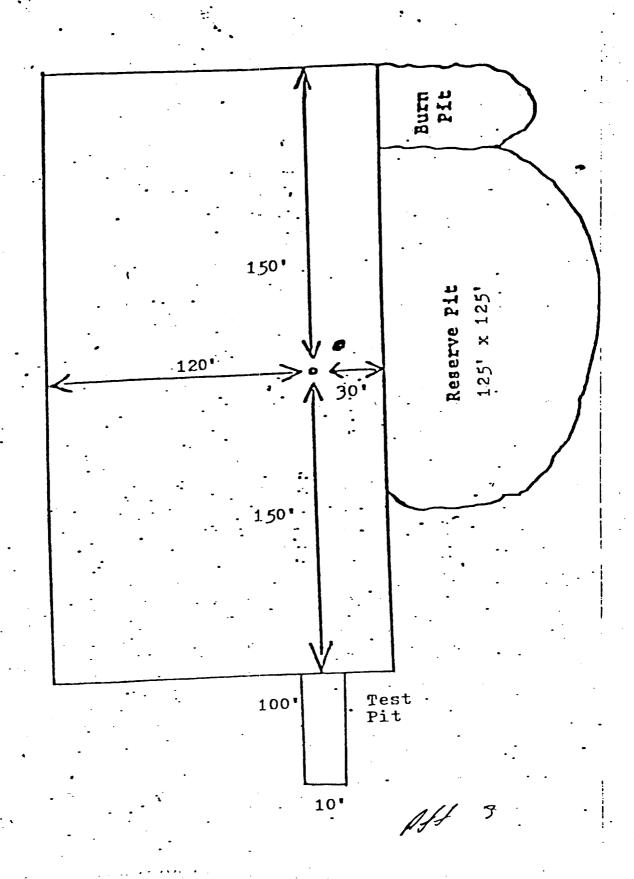
SPECIAL: CROWN-O-MATIC

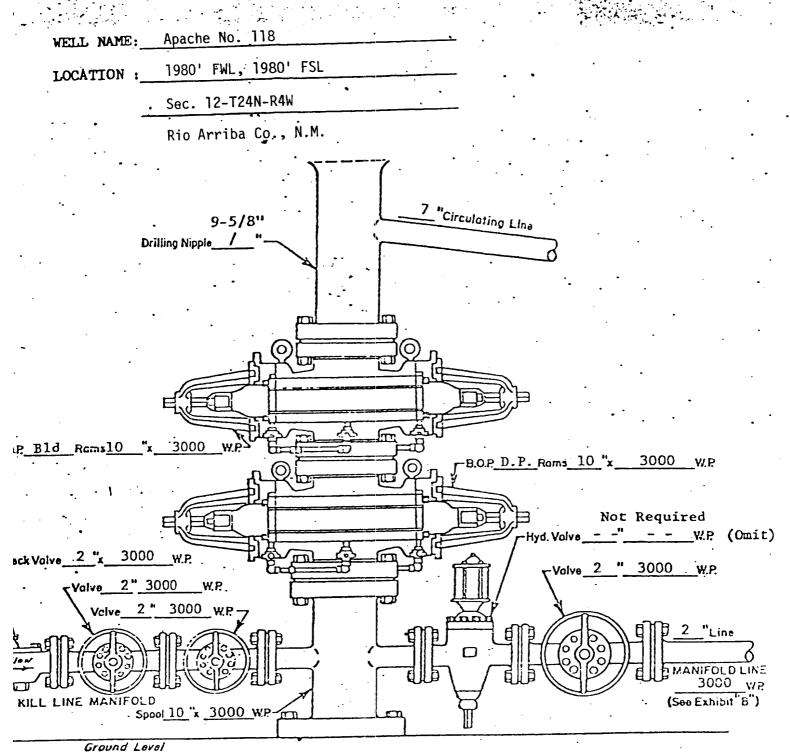
SATELITE AUTOMATIC DRILLER -

TONG TORQUE GAUGE

RATE OF PENETRATION RECORDER

SHALE SHAKER TRAILER HOUSE TWO-WAY RADIO





WELL HEAD B.O.P.

Hydroulic
 Hydroul

COTTON PETROLEUM CORPORATION APACHE NO. 118 1980' FWL, 1980' FSL `Sec. 12-T24N-R4W Rio Arriba Co., N.M.

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.
- 3. 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.