of Frak

# SUBMIT IN TRIPLICATE\*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

UNITED STATES	reverse si
DEPARTMENT OF THE INTERIOR	

30-039-21895. LEASE DESIGNATION AND SERIAL NO.

	DEI ARTIMER.	· • · · · · · ·						
GEOLOGICAL SURVEY					Contract No. 129			
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache			
1a TYPE OF WORK					7. UNIT AGREEMENT NAME			
DRI	LL 🛛	DEEPEN [		PLUG BA	'CK □	. UNIT AGREEMENT N.		
b. TYPE OF WELL		Į_	811	NGLE [ MULT)	PLE	S. FARM OR LEASE NAM	(E	
OIL X WELL OTHER ZONE ZONE					Apache			
2. NAME OF OPERATOR  Cotton Petroleum Corporation				9. WELL NO.				
2 ADDRESS OF OPENATOR					122			
2502 Lincoln Center Bldg., 1660 Lincoln St., Denver, CO. 80264							10. Lindrith Gal Tup-	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)						Dakota West	ext.	
TAt surface 660' FEL, 1980' FSL					11. SEC., T., B., M., OR I	BLK.		
At proposed prod. sone					Sec. 13-T24			
					N.M.P.M.			
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE®					12. COUNTY OR PARISH 13. STATE			
						Rio Arriba	New Mexic	
15. DISTANCE FROM PROPO LOCATION TO NEAREST	OSED*		16. NO	. OF ACRES IN LEASE		17. NO. OF ACRES ASSIGNED TO THIS WELL		
PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any)		660'				160 acres		
18. DISTANCE FROM PROP TO NEAREST WELL, DI	OSED LOCATION*		1	OPOSED DEPTH	1	20. ROTARY OR CABLE TOOLS		
OR APPLIED FOR, ON THE	IS LEASE, FT.		<u> </u>	7700'	1 KC	otary 1 22. APPROX. DATE WORK WILL START*		
21. ELEVATIONS (Show who						1-1-7		
6892' 6						1-1-7	<del></del>	
23.	1	PROPOSED CASI	NG AND	CEMENTING PROGI	KAM			
SIZE OF HOLE	BIZE OF CABING	WEIGHT PER F	00T	SETTING DEPTH		QUANTITY OF CEMENT		
12-1/4"	8-5/8"	24.0		300'		) sacks		
7-7/8"	4-1/2"	10.50 & 1	1.60	7700'	IO De	e determined		
medium, thro Dakota Forma cemented in	Cliffs	Formation. Ompleted an As to prote	Pos d dow ct th	sible product nhole comming e Pictured Cl	ion zone led. <u>Pi</u> iffs For RT.	roduction casir	ip and ig will be	
produced from the produced from the proposal is to preventer program, if an 24.	drill or deepen direction by.	proposal is to dee	pen or p	ning hack, give data on	present pro- and measure	and the vertical depri	ed new productive	
(This space for Fede	eral or State office use)	U				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
PERMIT NO.				APPROVAL DATE	: ;		Ü	
APPROVED BY		TI	TLE			SEP ************************************		

U. C. GECLOSICAL SURVEY FULL COLO.

### NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Effective 1-1-65

All distances must be from the outer boundaries of the Section. Well Ho. Operator COTTON PETROLEUM CORPORATION APACHE Range County Unit Letter ΤM Rio Arriba 2LN Actual Footage Location of Well: 660 1980 South feet from the feet from the line and Ground Level Elev. Dedicated Acreage: Producing Formation Lindrith Gallup-Dakota West 🗪 160 6892 Dakota 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? If answer is "yes," type of consolidation. Yes No 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 D. E. Wood Division Production Manager Cotton Petroleum Corporation September 5, 1978 Sec I hereby certify that the well location shown on this plat was plotted from field 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. Date Surveye August 3950

1320 1660

1980

2000

1500

1000

800

# COTTON PETROLEUM CORPORATION APACHE NO. 122

#### Multi-Point Surface Use Plan

- 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 (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)

(303) 451-7115 (Home)

D. E. Wood

Denver, Colorado

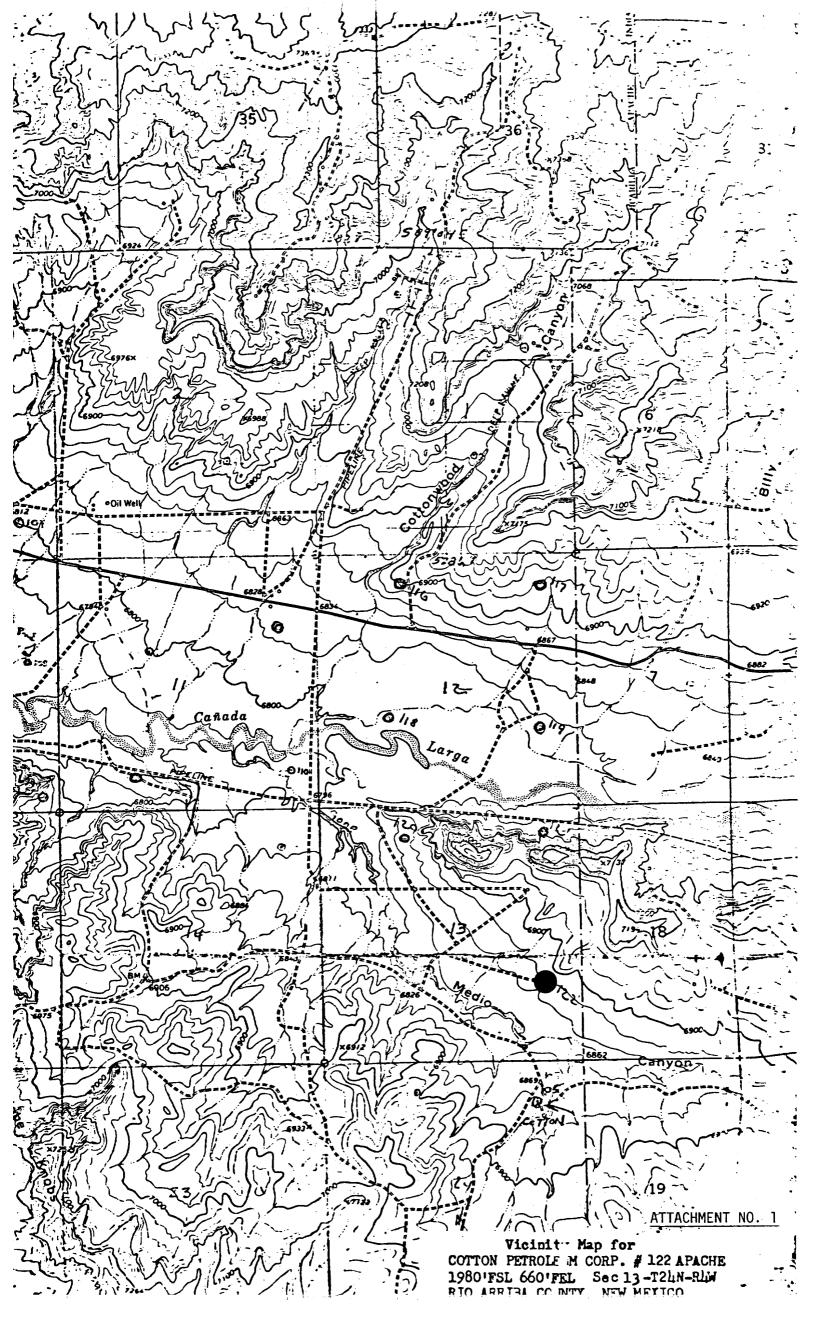
Phone: (303) 861-9202 (Office)

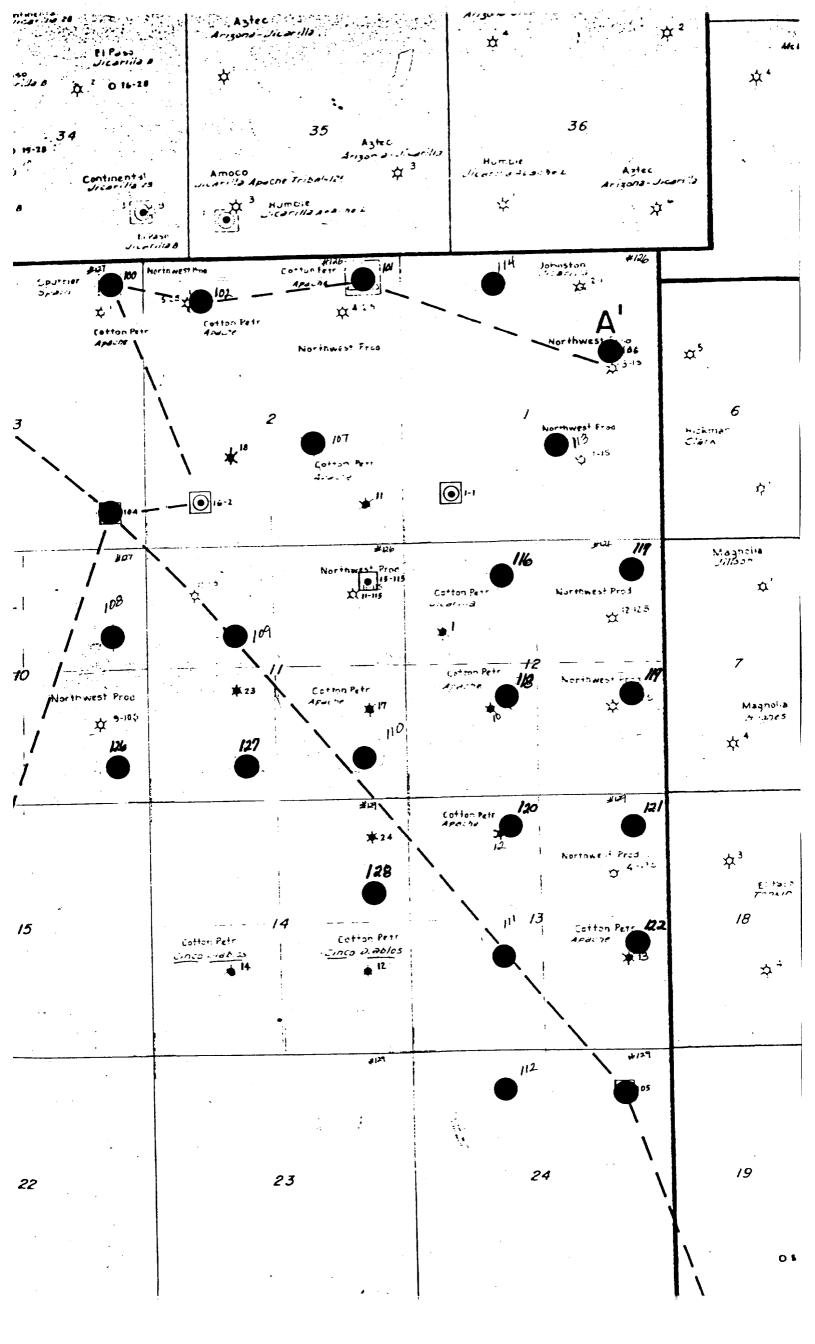
(303) 770-2177 (Home)

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 / 325-6892

## 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

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

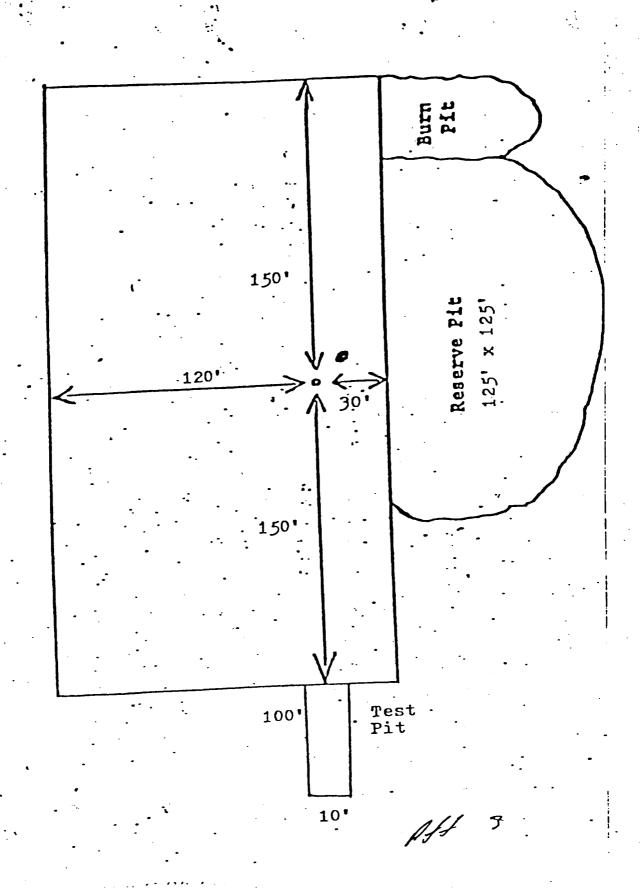
SPECIAL: CROWN-O-MATIC

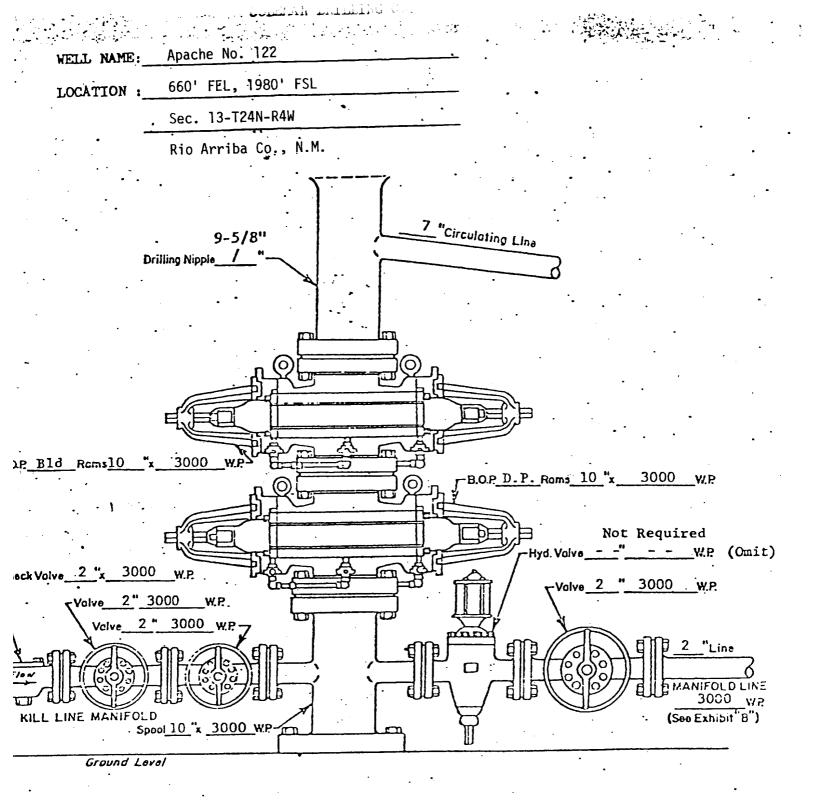
SATELITE AUTOMATIC DRILLER .

TONG TORQUE GAUGE

RATE OF PENETRATION RECORDER

SHALE SHAKER
TRAILER HOUSE
TWO-WAY RADIO





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

Hydroulic

COTTON PETROLEUM CORPORATION
APACHE NO. 122
660' FEL, 1980' FSL
Sec. 13-T24N-R4W
Rio Arriba Co., N.M.

## Seven Point Well Control Program

- 1. 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.
- 5. 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.