### SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved, Budget Bureau No. 42-R1425.

# UNITED STATES DEPARTMENT OF THE INTERIOR

 $\frac{30-039-2201}{5. \text{ LEASE DESIGNATION AND SERIAL NO.}}$ 

	GEOLOGICAL SURVEY						
	APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						
1a. TYPE OF WORK						Jicarilla Apache	
=	ILL X	DEEPEN [	J	PLUG BA	KCK 📋		
0.0	AS OTHER		BING		PLE	S. FARM OR LEASE NAME	
WELL OTHER  2. NAME OF OPERATOR						Apache	
Cotton Petroleum Corporation						9. WELL NO.	
3. ADDRESS OF OPERATOR  737 3744 Church Suite 2200 Denver Colorado 80202						10. FIELD AND POOL, OR WILDCAT	
717 17th Street, Suite 2200, Denver, Colorado 80202  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)						Lindrith Gallup-Dakota West	
At surface 990' FEL & 1780' FSL						11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA	
At proposed prod. zone						Section 24-T24N-R4W	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*						N.M.P.M.  12. COUNTY OR PARISH   18. STATE	
4. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POS:	T OFFICE.			Rio Arriba New Mexico	
15. DISTANCE FROM PROPO	OSED*		16. NO.	OF ACRES IN LEASE	17. NO. C	OF ACRES ASSIGNED HIS WELL	
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drig. unit line, if any)  18. DISTANCE FROM PROPOSED LUCATION* TO NEAREST WELL, DRILLING. COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.					10 1	160 acres —	
			19. PROF	OSED DEPTH	20. ROTARY OR CABLE TOOLS		
			1 7	7700'	Rotary 1 22. APPROX. DATE WORK WILL START*		
21. ELEVATIONS (Show whether DF, RT, GR, etc.)						5-15-79	
6920' GR PROPOSED CASING AND CEMENTING PROGRAM					1 5-15-79		
<u></u>		PROPOSED CASIN	NG AND				
BIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	OOT	300'	300	Sacks	
12-1/4"	8-5/8" 4-1/2"	24# 10.5 & 11.	60 -	7700'		o be determined	
7-7/8"	2-1/2	10.5 & 11.	-  -	7700			
<b></b> •	ط+ 11 كميل بيد لا	is usll wit	th rat:	any tools ar	nd drill	ing mud as a circulation	
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\*See Instructions On Reverse Side

· N. C. T. T. L. SU VZY

## STATE OF NEW MEXICO

#### OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

sed 10-1-78

WKK F S 1313 ENERGY AND MINERALS DEPARTMENT All distances must be from the outer boundaries of the Section Well No. Leose Operator COTTON PETROLEUM CORPORATION 111 APACHE Hange County Unit Letter Section 5μN LW Rio Arriba Actual Footage Location of Well: 990 1780 South East line feet from the line and feet from the Pool Dedicated Acreage: Ground Level Clev. Producing Formation Lindrith Gallup-Dakota West 160 6927 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 Division. CERTIFICATION I hereby certify that the information contained her, in is true and complete to the best of my\_knowledge and belief. Name D. E. Wood Division Production Manager Company Cotton Petroleum Corporation April 12, 1979 Sec. 21 I hereby certify that the well location shown on this plat was platted from field Apache #114 notes of actual surveys made by me or 9901 under my supervision, and that the same is true and carrect to the best of my knowledge and belief. Date Surveyed Apri. Hegiste

## COTTON PETROLEUM CORPORATION APACHE NO. 114

#### 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.
- 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) 893-2233 (Office)

(303) 794-0494 (Home)

D. E. Wood

Denver, Colorado

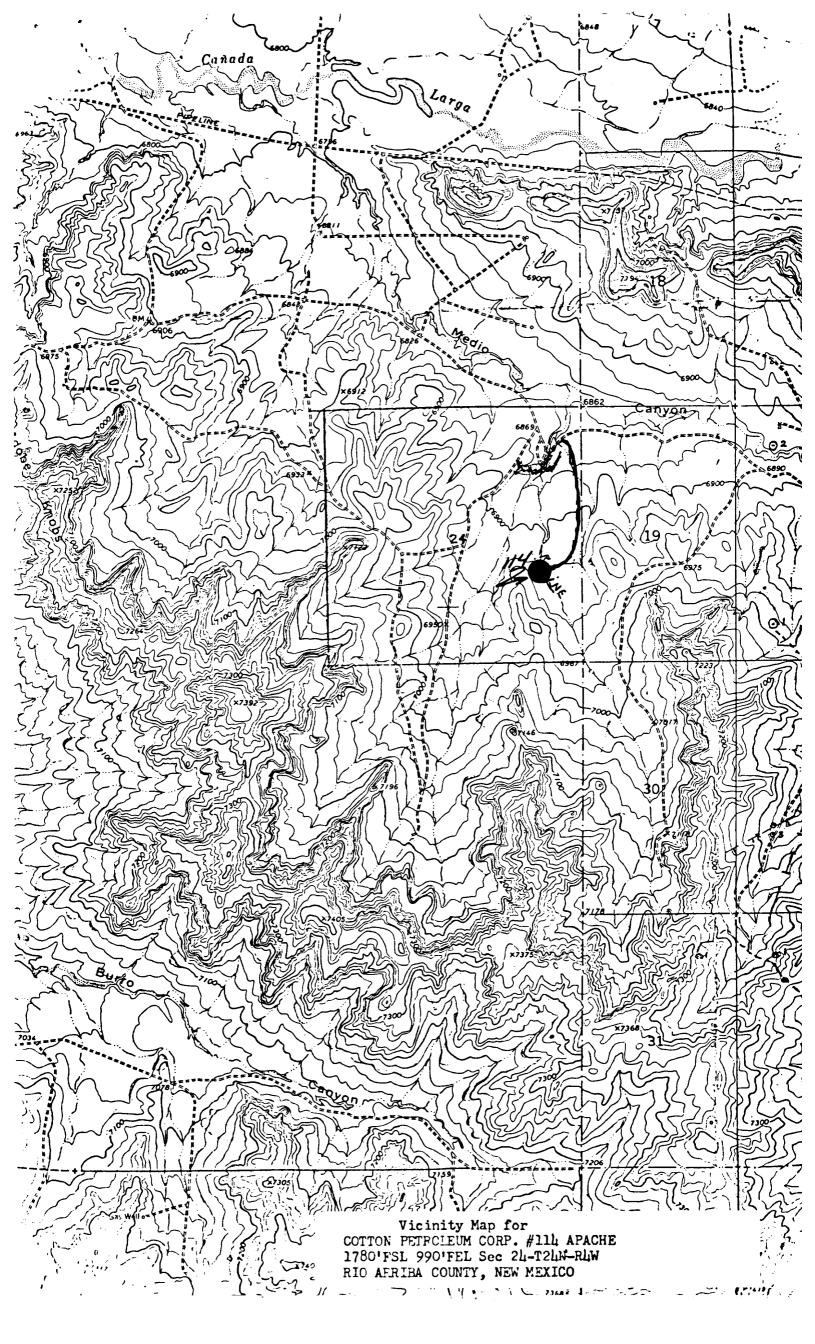
Phone: (303) 893-2233 (Office)

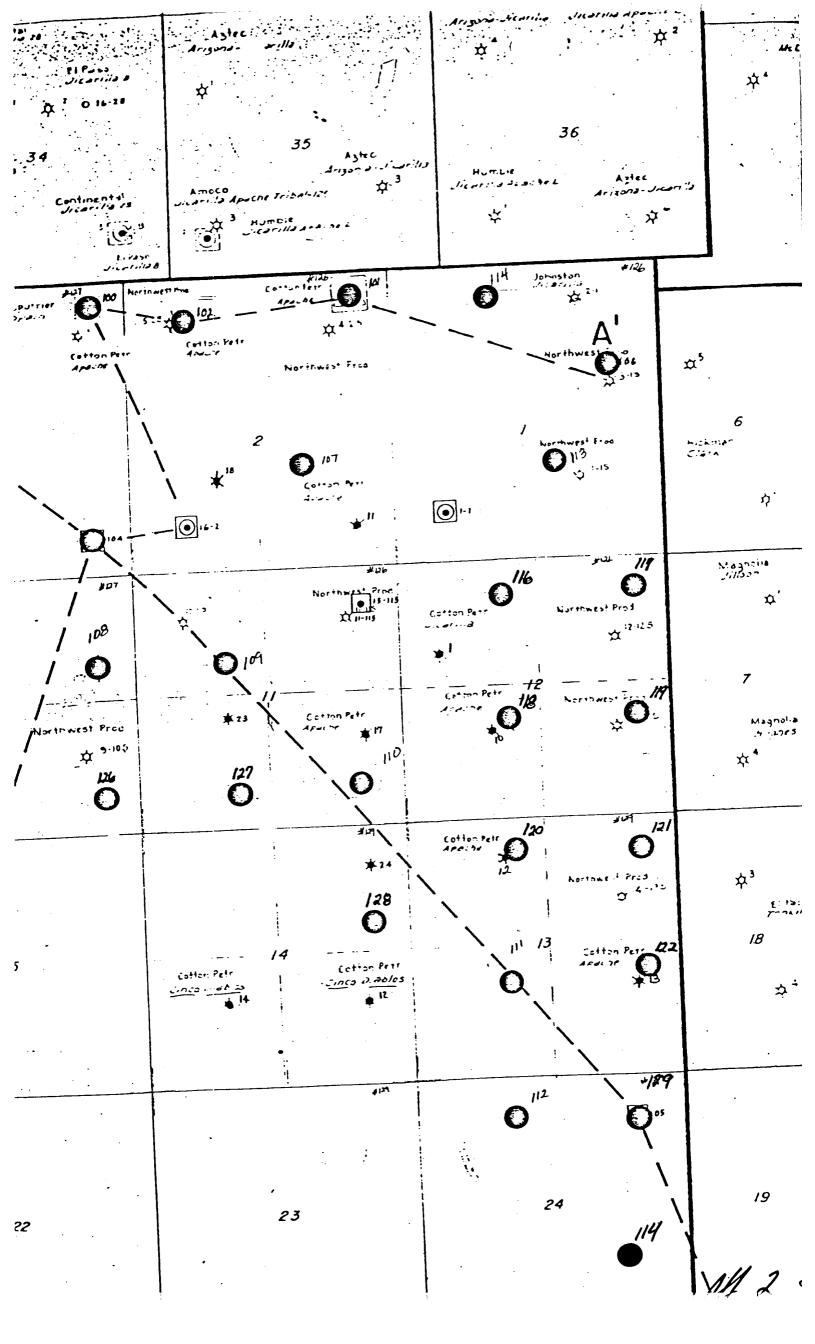
(303) 773-2722 (Home)

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





## COLEMAN DRILLING CO.

### P. O. BOX 1915

### FARMINGTON, N. M. 87401

PHONE 809 / 328-6892

### 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 AUXILIARY MUD PUMP

555 MAX. HP AT 1100 RPM 500 INT. HP AT 1100 RPM

420 CONT. HP AT 1100 RPM

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: OLLWELL PC 225

BLOW OUT PREVENTER: 10" SHAFFER LWS 3000 WP HYDRAULIC

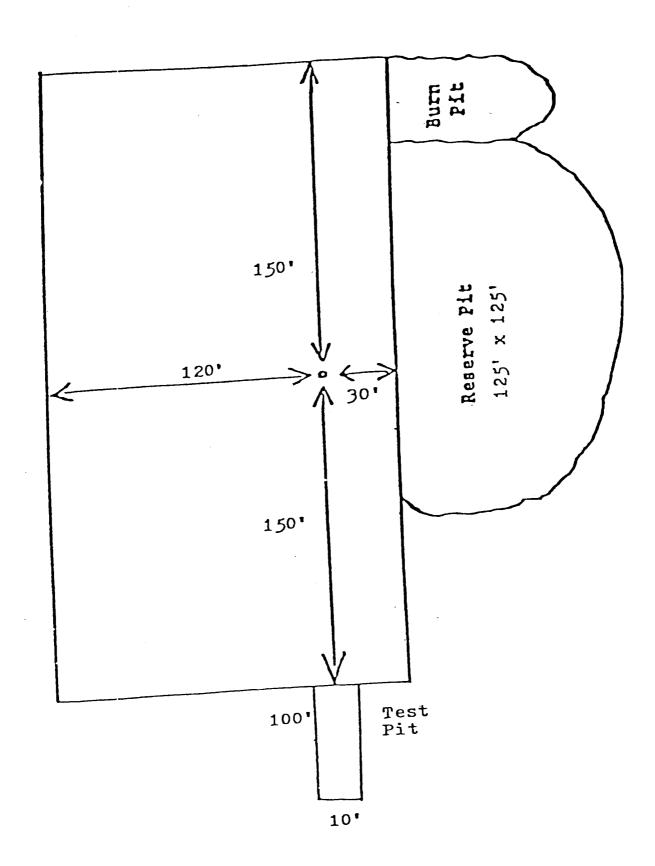
SPECIAL: CROWN-O-MATIC

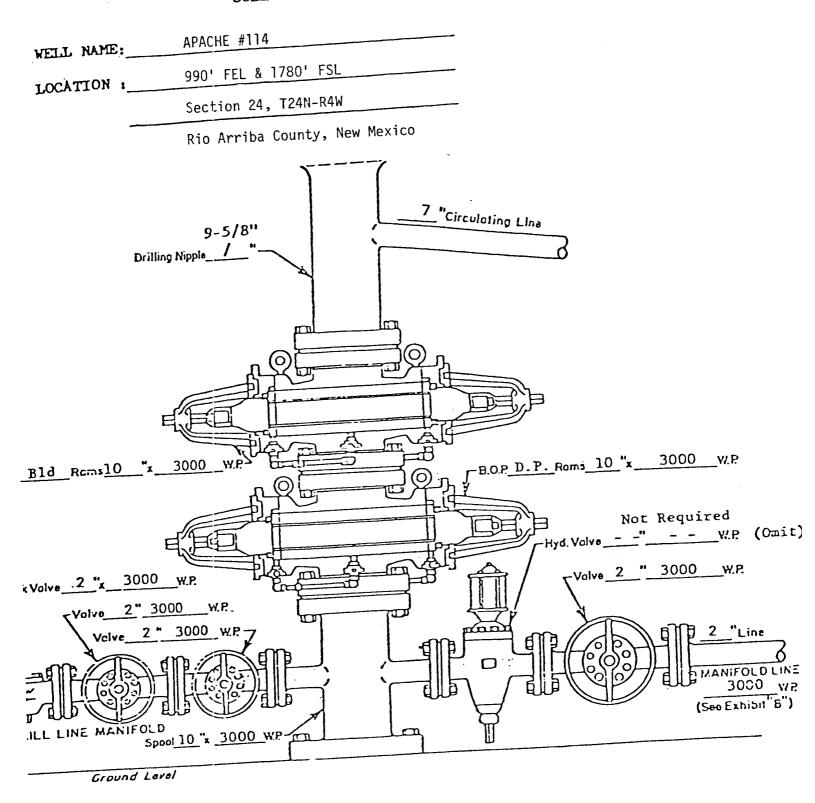
SATELITE AUTOMATIC DRILLER

TONG TORQUE GAUGE

RATE OF PENETRATION RECORDER

SHALE SHAKER TRAILER HOUSE TWO-WAY RADIO





WELL HEAD B.O.P. 3000 ₩W.P.

13 Hydroulic

COTTON PETROLEUM CORPORATION
APACHE No. 114
990' FEL & 1780' FSL
Section 24, 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.
- 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.