At proposed prod. zone

#### SUBMIT IN TRIPLICATE\*

(Other instructions on

Form	approved	•	
Budget	Bureau	No.	42-R1425

	DEP	ARTMENT	ED STATES OF THE INTE SICAL SURVEY	• -	reverse side)	30 -039 - 2/76 5. LEASE DESIGNATION AND SERIAL NO Contract No. 126
APPLICA	TION FOR	PERMIT T	O DRILL, DEEP	EN, OR I	PLUG BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache
1a. TYPE OF WORK	DRILL X		DEEPEN	PL	.UG BACK 🗆	7. UNIT AGREEMENT NAME
b. TYPE OF WELL OIL WELL	GAS WELL	OTHER		INGLE	MULTIPLE ZONE	8. FARM OR LEASE NAME
2. NAME OF OPERAT	ror TROLEUM CO	ORPORATION	Ī			Apache 9. WELL NO.
3. ADDRESS OF OPER	RATOR					110

14. DISTANCE IN MILES AND DIRECTION FROM MEAREST TOWN OR POST OFFICE.				12. COUNTI OR PARISH 15. STATE			VIE	
					Rio	Arriba (	New	Mexico
15. DISTANCE FROM	PROPOSED*		16. NO. OF ACRES IN LEASE	17. No. OF	ACRES .	ASSIGNED		
LOCATION TO N PROPERTY OR L (Also to neare		540'	-	то тн	IS WELL	160 acre	S	-
TO NEAREST W	M PROPOSED LOCATION* FELL, DRILLING, COMPLETED, ON THIS LEASE, FT.		19. PROPOSED DEPTH 7700 *	20. ROTAR	Y OR CAE	BLE TOOLS		
			<u> </u>	<u> </u>	1 22 AF	PROT DATE WO	or will	START*

6796 GR

6-15-78

N.M.P.M.

10LINGTYPHOGATION CAT

Dakota West

11. SEC., T., R., M., OR BLK AND SURVEY OR AREA Sec. 11-T24N-R4W

23. PROPOSED CASING AND CEMENTING PROGRAM QUANTITY OF CEMENT SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH 12-1/4" 8-5/8 300 300 sacks 24.0 4-1/2 7-7/8" 10.50 & 11.60 7**7**00 ' To be determined

It is proposed to drill this well with rotary tools, and drilling mud as a circulation medium, through the Dakota Formation. Possible production zones in the Gallup and Dakota Formation will be completed and downhole commingled. Production casing will be cemented in such a manner as to protect the Pictured Cliffs Formation.

Estimated Formation To	ops		
Pictured Cliffs	2850 <b>'</b>	Greenhorn	7000
Cliff House	4490 •	Graneros	<b>7</b> 055 9
Gallup	6160'	Dakota	7075

2502 Lincoln Center Bldg., 1660 Lincoln, Denver, Colo. 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

825'FSL, 540'FEL

The SE/4 of Section 11 is dedicated to this well. 160 acres. The natural gas produced from this well is committed.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive tone and proposed new productive ne vertical depths. Give blowout zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and t preventer program, if any.

24. Division Production Manager SIGNED \_ D. E. Wood

(This space for Federal or State office use)

APPROVAL DATE PERMIT NO. \_ APPROVED BY \_ CONDITIONS OF APPROVAL, IF ANY:

oh 5 mh

MAY 8 1978

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

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

COUTDO PERCLEIM CORPORATION  Into Lattice Section   Township   Research   Research   Research   Received   Rec	Operator		All distances must be	Lease	the Bection.	Well No.
Durit patients   Part   Durit patients   Patients   Durit   Durit patients   Durit patien	-	OLEUM CORPORA	T TON		•	(
P LOUTING A CONTRICTION OF Waits  225 test from the South time and ShO test from the East time  Committee of the Committee of the Committee of the Call Upper Committee of					County	
Best   Town the   South   How and   Sho   Line   Town   East   How	P	11	5ħN	ТАМ	Rio Arrib	
Pool Lindrith Gallup   Dekota   Pool Lindrith Gallup   Dekota				-41		
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.  Description Production Manager  Company  Cotton Petroleum Corporation  Company  Cotton Petroleum Corporation  I have yearly that the information contained herein is true and cornect to the best of my knowledge and belief.  I hereby certify that the information contained herein is true and cornect to the best of my knowledge and belief.  I have yearly that the unit is glot was plotted from field notes of certificate and or this glot was plotted from field notes of certificate and or this damped in the same is two and cornect to the best of my knowledge and belief.  Company  Cotton Petroleum Corporation  Continued Revenued Service and Company  Cot						
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## COLEMAN DRILLING CO. P. O. BOX 1915 FARMINGTON, N. M. 87401

PHONE 805 / 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 AUXILIARY MUD PUMP

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 NAME:	
LOCATION:	
	•
•	
7 100	
9-5/8"  Drilling Nipple / "-	culating Line
	3
SOR BID DOWN TO THE AMERICAN	
AGE 110 Kems10 x 3000 W.P.3 Hinter 11	- P.O. D. P. D 10 " 2000
	-B.O.P. D. P. Roms 10 "x 3000 W.P.
	Not now !
2 " 2000	Not Required
Check Volve 2 "x 3000 W.P.	Valve 2 " 3000 W.P.
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Valve 2 3000 WP 7	
Flow Co. The Co.	
	自日   VIO   自日 MANIFOLD LINE
KILL LINE MANIFOLD  Spool 10 "x 3000 WP TD	3000 WP (See Exhibit "8")
	Ш

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

☑ Hydraulic

## COTTON PETROLEUM CORPORATION APACHE NO. 110

#### 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
- 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.

project.

- 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

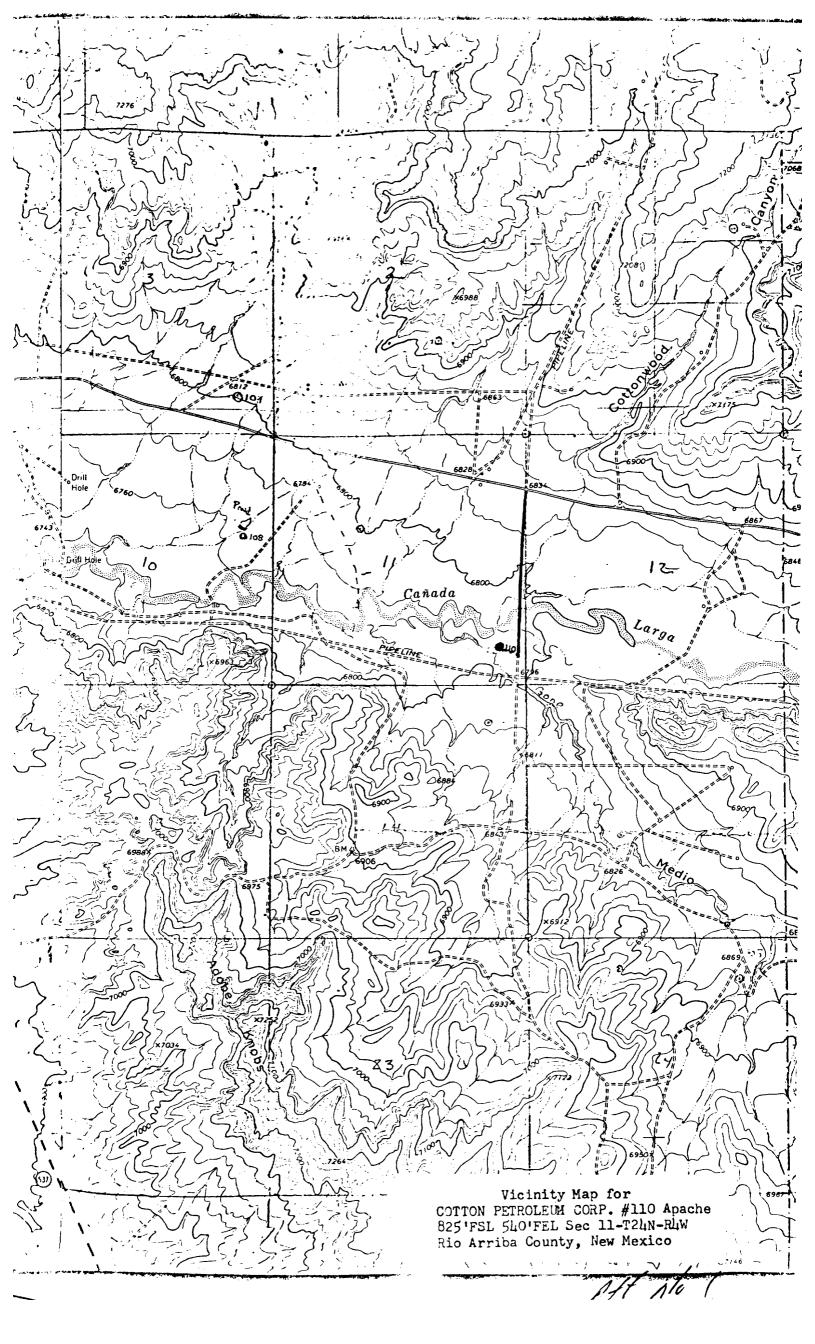
D. E. Wood Denver, Colorado Phone: (303) 861-9202 (Office) (303) 770-2177 (Home)

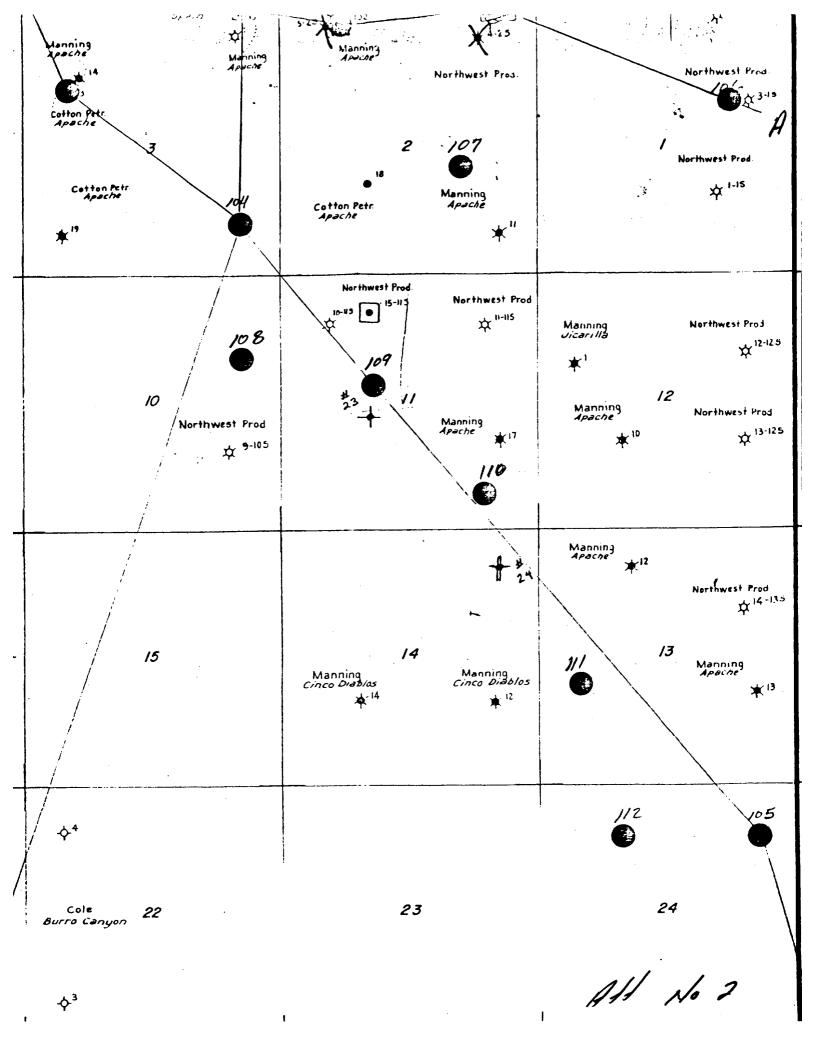
13. Certification -

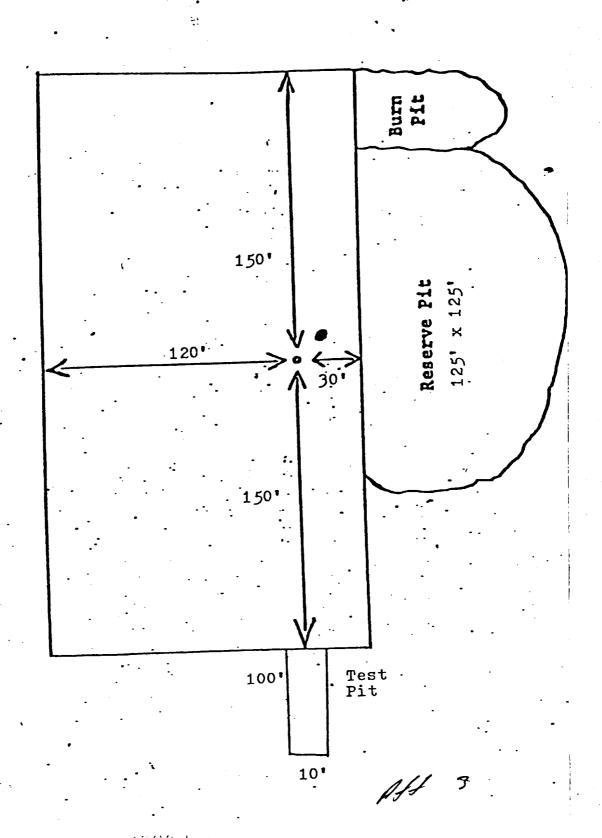
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated 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. 110 825'FSL, 540'FEL, Sec. 11-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.
- 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.