

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 28695	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
2. NAME OF OPERATOR Cotton Petroleum Corporation		7. UNIT AGREEMENT NAME NA	
3. ADDRESS OF OPERATOR 717 17th St., Suite 2200, Denver, CO 80202		8. FARM OR LEASE NAME Llaves Federal 5	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1650' FEL & 1650' FSL, Sec. 5 At proposed prod. zone		9. WELL NO. 200	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT V. Puerto Chiquito Manco	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5-24N-1W NM PM	
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 640		13. STATE N.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH 7625'	
20. ROTARY OR CABLE TOOLS Rotary tools		21. APPROX. DATE WORK WILL START* December 1, 1980	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7525' GR		22. APPROX. DATE WORK WILL START* December 1, 1980	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	500'	375 sxs
8 3/4"	7"	23#	6985'	to be determined
6 1/4"	4 1/2"	11.6#	7625'	to be determined

It is proposed to drill this well with Rotary tools and drilling mud as a circulation medium through the Gallup Formation. Possible production zones in the Gallup Formation will be completed. Production casing will be cemented in such a manner as to protect the Chacra & Pictured Cliffs Formation. Fence reserve pit on 3 sides before spudding. Fence 4th side when moving out rotary tools.

Estimated Formation Tops

Pictured Cliffs	3425'
Mesaverde	5300'
Gallup	6565'
TD	7625'

Section 5 is dedicated to this well, 640 acres.

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

24.

SIGNED

DE Wood

TITLE Division Production Mgr.

DATE 10-28-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

DISTRICT ENGINEER

*See Instructions On Reverse Side

OCT 24 1980

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

Operator COTTON PETROLEUM CORPORATION			Lease LLAVES-FEDERAL 5		COTTON PETROLEUM DENVER	Well No. 200
Unit Letter J	Section 5	Township 24N	Range 1W	County Rio Arriba		
Actual Footage Location of Well: 1650 feet from the South line and 1650 feet from the East line						
Ground Level Elev. 7546	Producing Formation Mancos		Pool Puerto Chiquito Mancos West	Dedicated Acreage 6426.46 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Cotton Petroleum Corp. 100% WI 19% Royalty	Mountain Fuel 100% WI 12 1/2% Royalty
5	5
1650	1650

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
Position
Division Production Mgr.
Company
Cotton Petroleum Corp.
Date
10-28-80

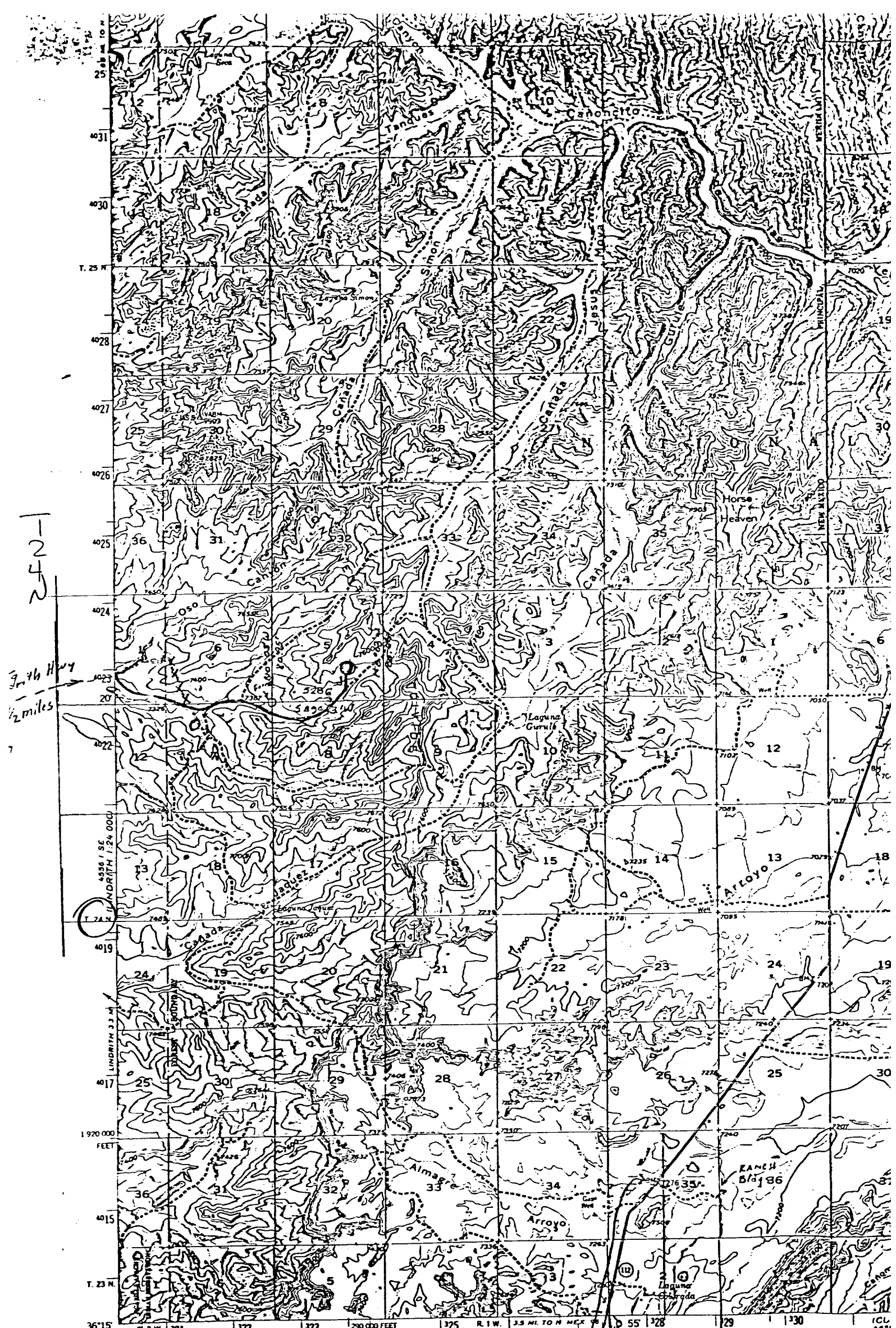
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
October 21, 1980
Registered Professional Engineer and Land Surveyor
FREDERICK HERR, JR.

Scale: 1"=1000'

3950

124
 9 mi 16 Hwy
 1/2 miles



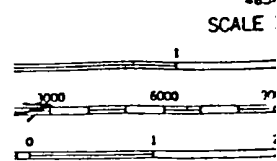
Mapped, edited, and
 Control by USGS and U.
 Topography from aerial
 Aerial photographs taken
 Polyconic projection. 19
 10,000-foot grid based on
 central zone
 Certain land lines unsurveyed in Ts. 24 and 26 N.-R. 2 E.

Vicinity Map for
COTTON PETROLEUM CORP. #200 LLAVES-FEDERAL 5
1650' FSL 1650' FEL Sec. 5-T24N-R1W
RIO ARRIBA COUNTY, NEW MEXICO

TIW

1:50,000
 20 MILES

Man 1



CONTOUR INT:
 DATUM IS

F

30-039-22668

2-27-81

F. Loc. 1650/S; 1650/E

Elev. 7525 GL

Spd.

Comp.

TD

PB

Casing S.
Csg. Perf.

@

W

Sx.

Int.

@

W

Sx.

Pr.

@

W

Sx.

T.

@

T
R
A
N
S

BO/D		MCF/D After		Hrs.	SICP	PSI After	Days GOR	Grav.	1st Del.	s		
I.P.												
TOPS		NITD		Well Log		TEST DATA						
		X				Schd.	PC	Q	PW	PD	D	Ref.No.
Kirtland		C-103		Plat								
Fruitland		C-104		Electric Log								
Pictured Cliffs				C-122								
Cliff House		Ditr		Dfa								
Menefee		Datr		Dac								
Point Lookout												
Mancos												
Gallup												
Sanostee												
Greenhorn												
Dakota												
Morrison												
Entrada												
				646.44								

P
 o Chiquito Mancos
 W. Puerto Co. RA s 5 T 24N R 1W UJ Oper. Cotton Pet. Corp. Lse. Llaves Federal 5 No. 200

Llaves Federal 5 #200

J-5-24N-1W

Cotton Petroleum Corp.

March 8, 1982

Cotton Petroleum Corporation
717 17th Street, Suite 2200
Denver, Colorado 80202

Gentlemen:

Enclosed is your Application for Permit to Drill (APD) well No. 200 Llaves Federal 5, NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 24 N., R. 1 W., Rio Arriba County, New Mexico, lease NM-28695. The subject APD is hereby rescinded and returned due to drilling operations not being commenced within one year of the approval date.

You are required to request surface rehabilitation instructions from this office if construction activities occurred on the referenced drill site.

Sincerely yours,

Elliott

For James F. Sims
District Oil and Gas Supervisor

Enclosure

cc: NMOCC

