

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYAPPLICATION FOR PERMIT TO DRILL, DEEPEN, OR ~~PLUG BACK~~ **EIVE**

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 30-039-22215	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Cotton Petroleum Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 717 17th St., Suite 2200, Denver, Colorado 80202		8. FARM OR LEASE NAME Apache	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface At proposed prod. zone 1980' FWL, 660' FNL Section 4		9. WELL NO. 131	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Lindrith Gallup-Dakota 1	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA N.M.P.M. Sec. 4, T 24N, R 4W	
16. NO. OF ACRES IN LEASE		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 225		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 7700'		22. APPROX. DATE WORK WILL START* January 1, 1980	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6908 GR			

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#	300'	300 sacks
7-7/8"	4-1/2"	10.5#, 11.6#	7700'	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. Fence reserve pit on 3 sides before spudding. Fence 4th side when MORT.

Estimated Formation Tops

Pictured Cliffs	2850'	Greenhorn	7000'
Cliff House	4490'	Graneros	7055'
Gallup	6160'	Dakota	7075'

The NW $\frac{1}{4}$ of Section 4, T 24N, R 4W is dedicated to this well, an area of 225 acres. The gas from this well is committed.

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 D.E. Wood / [Signature] TITLE Division Production Manager DATE October 17, 1979
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

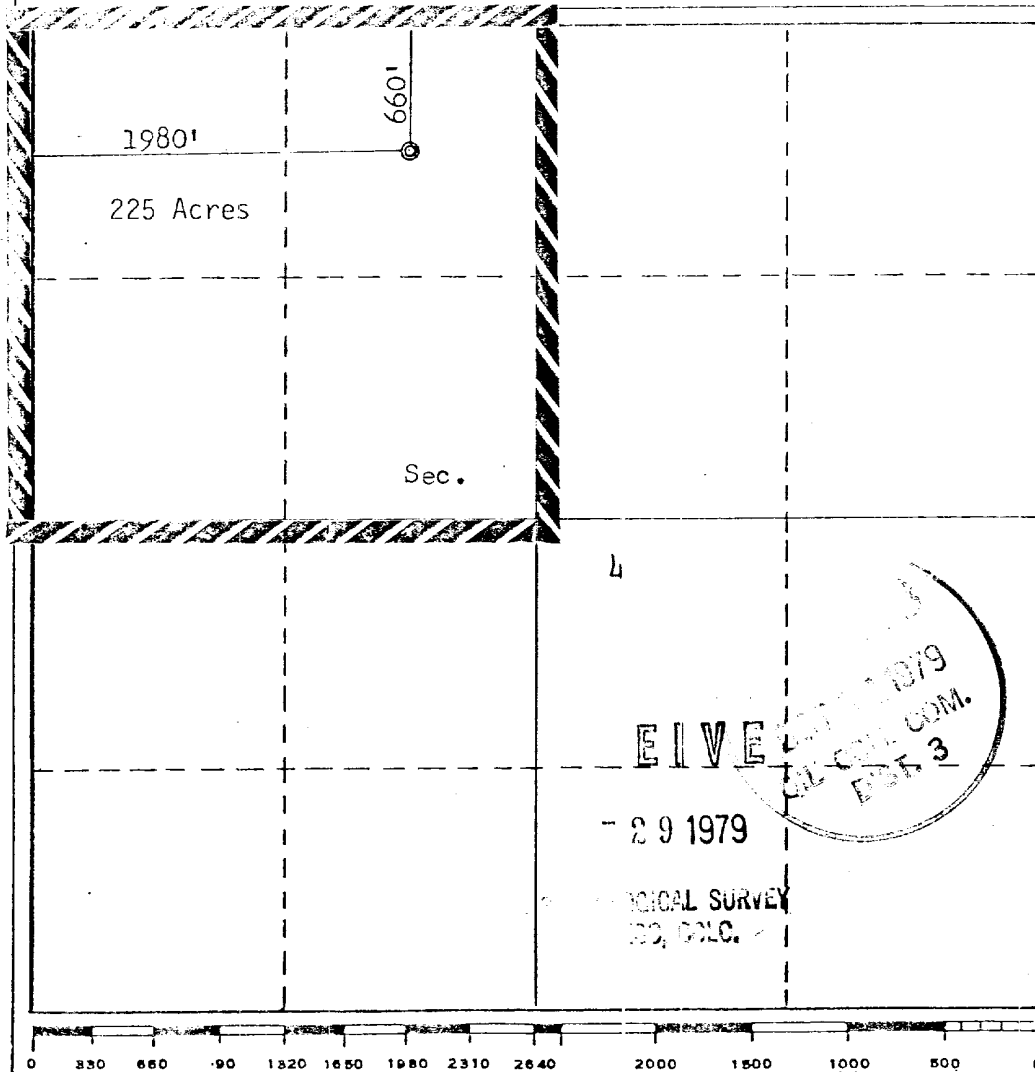
Operator COTTON PETROLEUM CORPORATION			Lease APACHE		Well No. 131
Unit Letter C	Section 4	Township 24N	Range 4W	County Rio Arriba	
Actual Footage Location of Well: 660 feet from the North line and 1980 feet from the West line					
Ground Level Elev. 6908	Producing Formation Gallup-Dakota	Pool Lindrith Gallup-Dakota West		Dedicated Acreage: 225	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.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

D. E. Wood / *[Signature]*
D. E. Wood

Name

Division Prod. Mgr.

Position

Cotton Petroleum Corporation

Company

October 19, 1979

Date

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

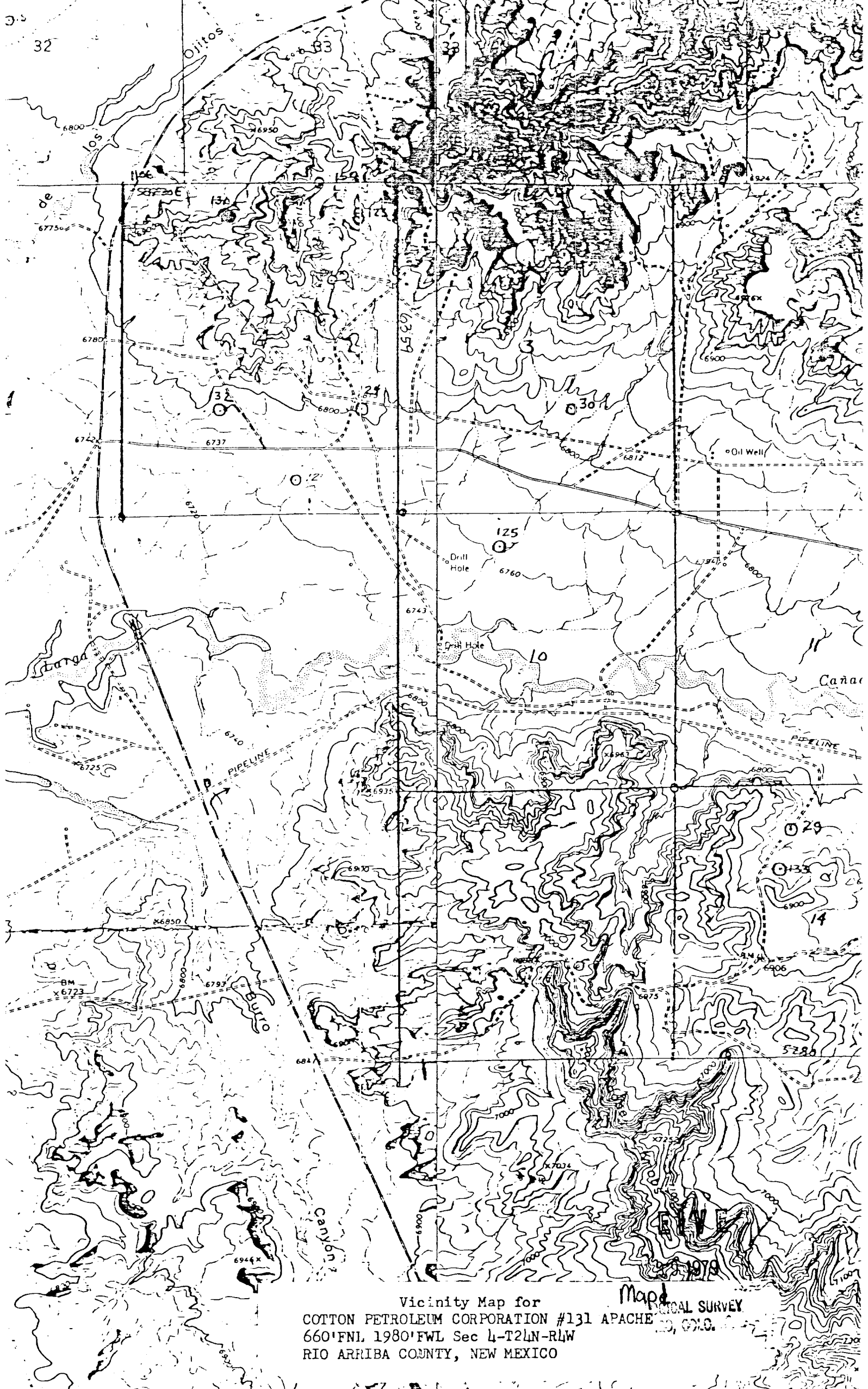
September 20, 1979

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr, Jr.

Certificate No. B. KERR, JR.

3950



Vicinity Map for
COTTON PETROLEUM CORPORATION #131 APACHE
660'FNL 1980'FWL Sec 4-T24N-R4W
RIO ARRIBA COUNTY, NEW MEXICO

Map
SURVEY