

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR
717 17th ST., Suite 2200, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
At proposed prod. zone 1980' FWL, 1980' FSL, Section 9

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660

16. NO. OF ACRES IN LEASE 2665

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH 7280'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

22. APPROX. DATE WORK WILL START* 1-1-1981

5. LEASE DESIGNATION AND SERIAL NO. 26-039-2265-7

6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Apache

9. WELL NO. 137

10. FIELD AND POOL, OR WILDCAT Lindrith Gallup-Dakota

11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA N.M.P.M. Sec 9, T24N, R4W

12. COUNTY OR PARISH 13. STATE

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#	300'	300 sacks
7 7/8"	4 1/2"	10.5#, 11.6#	7280'	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. A reserve pit on 3 sides before spudding. Fence 4th side when MORT.

ESTIMATED FORMATION TOPS

Pictured Cliffs	2735'	Greenhorn	6885'
Chacra	3569'	Graneros	6942'
Mesaverde	4380'	Dakota	6962'
Gallup	6020'		

The SW $\frac{1}{4}$ of Sec 9 is dedicated to this well, an area of 160 acres. The 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 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 / DAS TITLE Division Production Mgr DATE 10-30-80

(This space for Federal or State office use)

APPROVED
PERMIT NO. AS AMENDED APPROVAL DATE

APPROVED BY for Bruce Wainwright TITLE NMCCC DATE

CONDITIONS OF APPROVAL IF ANY:
for J. F. SIMS
DISTRICT ENGINEER

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

Operator COTTON PETROLEUM CORPORATION			Lease APACHE		Well No. 137
Well Letter K	Section 9	Township 24N	Range 4W	County Rio Arriba	

Actual Footage Location of Well:

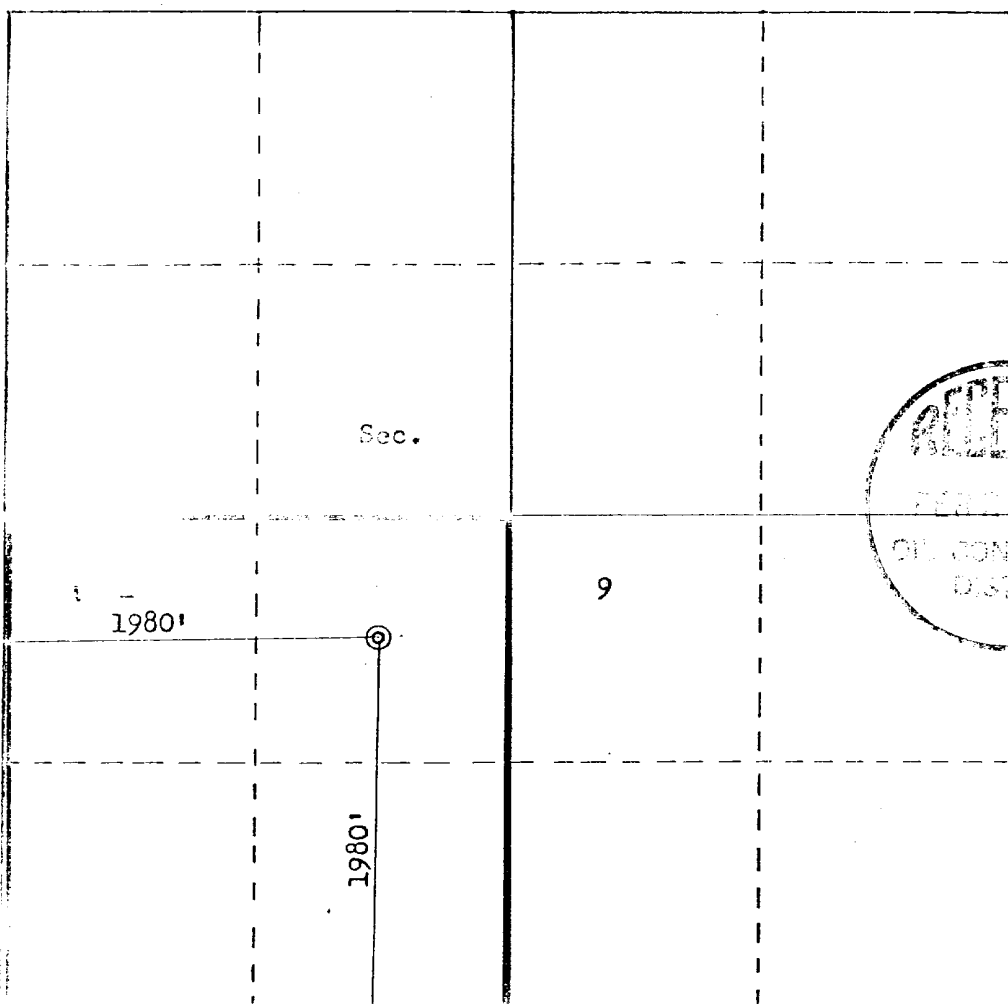
1980 feet from the **South** line and **1980** feet from the **West** line

Ground Level Elev: 6719	Producing Formation Gallup Dakota	Pool Lindrieth Gallup-Dakota West	Dedicated Acreage: 160 Acres
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- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

DE Wood / M. M.

Name

D.E. Wood.

Position

Division Production Mgr.

Company

Cotton Petroleum Corp.

Date

7/1/80

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.

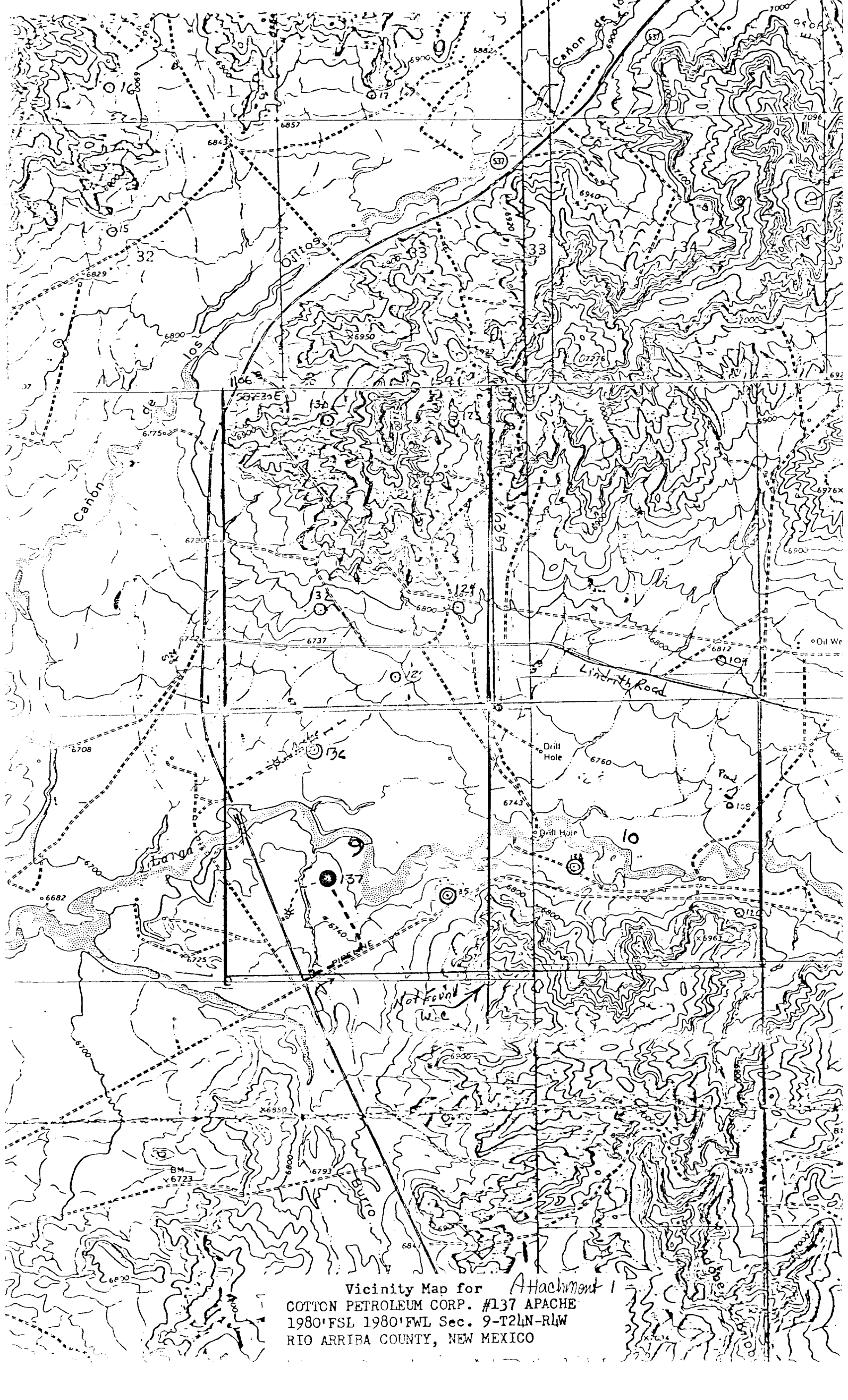
Date Surveyed

September 30, 1980

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.

Certificate No. **B. 1008**



Vicinity Map for *Attachment 1*
COTTON PETROLEUM CORP. #137 APACHE
1980'FSL 1980'FWL Sec. 9-T24N-R1W
RIO ARRIBA COUNTY, NEW MEXICO