

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, Colorado 80202

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

At surface

1980' FSL & 1980' FWL

Section 9

At proposed prod. zone

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

GEOLOGICAL SURVEY
FARMINGTON, N. M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

640

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6200'

20. ROTARY OR CABLE TOOLS

Rotary tools

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

7617' Gr

22. APPROX. DATE WORK WILL START*

October 1, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	300'	375 sxs
8 3/4"	7"	23#	5500'	To be determined
6 1/4"	4 1/2"	10.5#	6200'	To be determined

BILLS ARE
ATTACHED

Note: 6200' x 90' x 15'

It is proposed to drill this well with rotary tools using mud as a circulation to the top of the Niobrara, then air through the Niobrara to total depth. The anticipated completion attempts will be in the Niobrara. Production casing will be cemented in such a way as to protect the Ojo Alamo and Pictured Cliffs. The reserve pit will be fenced on three sides before spudding. The fourth side will be fenced when rig moves out.

Estimated Formation Tops

Ojo Alamo	1940'	Niobrara	5710'
Pictured Cliffs	2100'	Niobrara Marker	5864'
Mesaverde	4130'	TD	6200'

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

TITLE

Division Production Manager

DATE

9-4-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

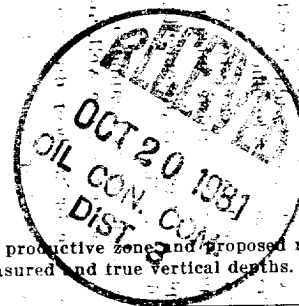
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DURING
SUBJECT TOARE
FURNISHED

FOTOCC



OCT 16 1981

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

Operator: COTTON PETROLEUM CORPORATION			Lease: BADLANDS-FEDERAL 9		Well No. 1
Unit Letter K	Section 9	Township 23N	Range 1W	County Rio Arriba	
Actual Footage Location of Well:					
1980 feet from the South line and 1980 feet from the West line					
Ground Level Elev: 7617	Producing Formation Manco's	Pool		Dedicated Acreage: 640 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

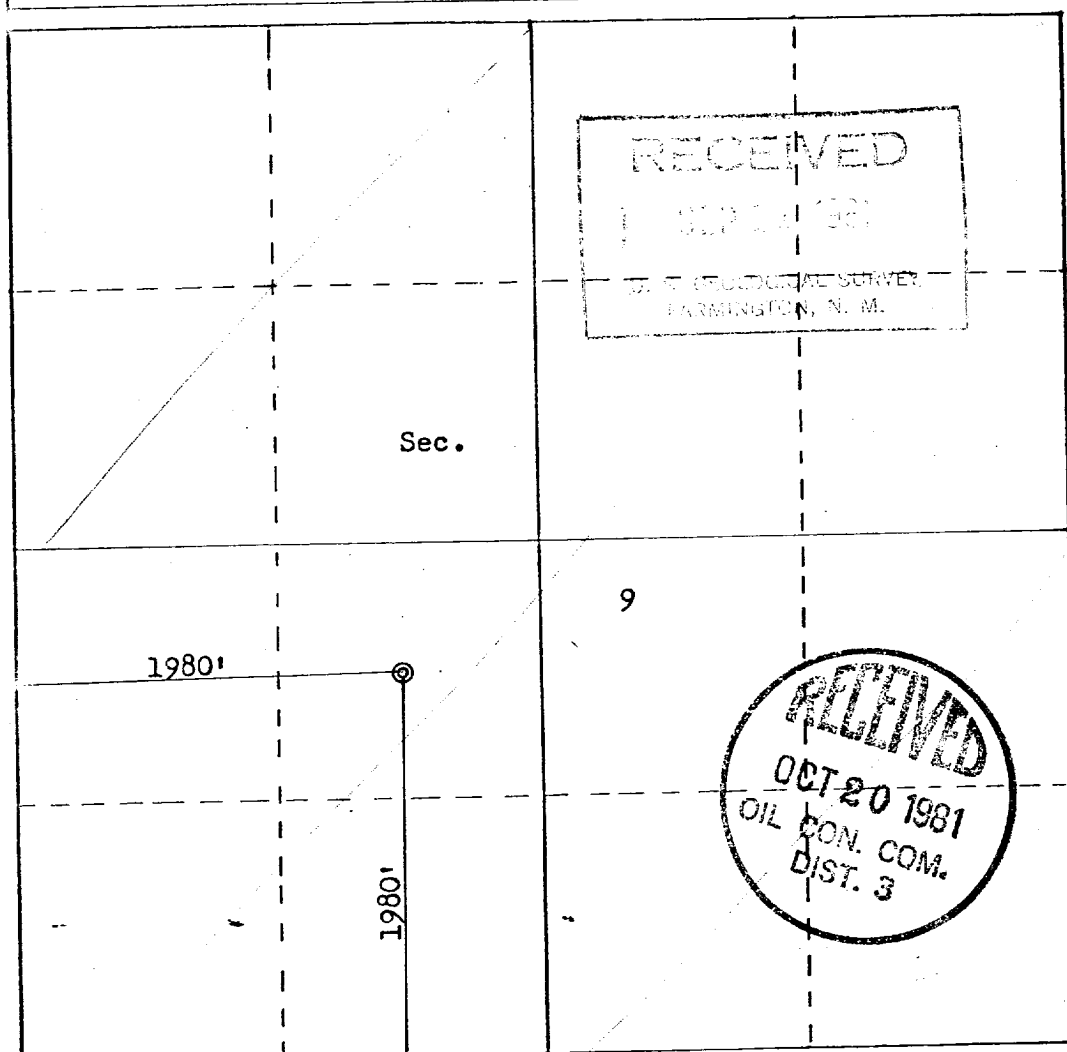
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.



Scale: 1"=1000'

CERTIFICATION

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

Name *W. J. ...*
Position
Division Production Manager
Company
Cotton Petroleum Corporation
Date
September 4, 1981

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
August 24, 1981
Registered Professional Engineer
and Land Surveyor
Fred B. Kerr, Jr.
Certificate No. **B. KERR, JR.**
3950