

Confidential

PERMIT IN TRIPPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.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

3773 Cherry Creek Dr. North #750, Denver, CO 80209

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

At surface

400' FWL 1690' FNL Section 27

At proposed prod. zone

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

BUREAU OF LAND MANAGEMENT
PARMINGTON RESOURCE AREA

12. COUNTY OR PARISH

Sandoval

13. STATE

NM

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

40

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

19. PROPOSED DEPTH

2180'

20. ROTARY OR CABLE TOOLS

Rotary

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

6967' GR

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

22. APPROX. DATE WORK WILL START*

11-15-83

23.

PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to administrative
appeal pursuant to 30 CFR 290.

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#	1700'	to be determined
6-1/4"	4-1/2"	10.5#	2180'	to be determined

It is proposed to drill this well with rotary tools using air as a circulation medium through the Gallup to a TD of 2180'. The anticipated completion attempt will be in the Gallup. Production casing will be cemented in such a way as to protect the up hole formations. The reserve pit will be fenced on three sides before spudding. The fourth side will be fenced when the rig moves out.

Estimated Formation Tops

Cliff House	20'	Mancos	836'
Menefee	145'	Gallup	1672'
Pt. Lookout	601'	TD	2180'

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DIST. 3

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

DEWood / LGS

TITLE Division Production Mgr.

DATE October 12, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED
AS AMENDED

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NOV 08 1983

M. MILLENBACH

AREA MANAGER

NMOCC

COTTON PETROLEUM CORPORATION
Ross Federal 12 #27

NTL-6 Information for APD

1. Surface Formation: Tertiary
2. Estimated Tops:

Cliff House	20'
Menefee	145'
Pt. Lookout	601'
Mancos	836'
Gallup	1672'
TD	2180'
3. Estimated Depth of Fluids or Hydrocarbons:

Surface Waters:	100' and above
Gallup:	1672'
4. Casing Program:
 - a. Surface Casing: 300' of 9-3/8", 36#, K-55, new, cemented w/375 sxs Class B cement w/3% CaCl and 14# per sack of seal flow. Cement will be circulated to surface.
 - b. Intermediate Casing: 1700' of 7", 23#, K-55, new, cement w/300 sxs of 50-50 poz w/2% gel. The volume is based on obtaining a cement top at surface w/40% excess.
 - c. Production Liner: 730' of 4-1/2", 10.5#, K-55, new, cement w/ 94 sacks of 50-50 poz w/2% gel. This volume is calculated to cover 730'.
5. Pressure Control Equipment:
 - a. Blow out preventer: 3000# W.P., 10" double ram (see attached drawing.
 - b. Pressure test wellhead, blow out preventer and surface casing to 70% of casing yield (2065 psi) before drilling out shoe.
 - c. Test operated blow out preventer rams once each tour.
 - d. Test operate blow out preventer blind rams on each trip out of the hole.
6. Drilling Fluid:
 - a. Surface Hole: Water with gel and lime to provide sufficient viscosity to clean hole. Wt 8.8, vis 40-50.

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OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-107
Revised 10-1-78

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

Operator COTTON PETROLEUM COMPANY			Lease ROSS-FEDERAL		Well No. 12-27
Unit Letter E	Section 27	Township 20N	Range 1W	County Sandoval	
Actual Footage Location of Well: 1690 feet from the North line and 400 feet from the West line					
Ground Level Elev: 6967	Producing Formation Gallup		Pool Wildcat		Dedicated Acreage: 40 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 leases 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.

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1690' 	Sec.	27	RECEIVED OCT 17 1983 BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA

CERTIFICATION

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

DE Wood / HX

Name

DIVISION Production Mng'r

Position

Cotton Petroleum Corp

Company

10/14/83

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 26, 1983

 Registered Professional Engineer
and Land Surveyor.

Fred B. Kerr Jr.

Certificate No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

