

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Submit in Triplicate*
(Other Instructions on
reverse side)

FORM APPROVED
Budget Bureau No. 1004-0136
Expires: February 28, 1995

COPY

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.

NM-14922

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

CARSON FEDERAL I

8. FARM OR LEASE NAME, WELL NO.

CARSON FEDERAL I #1A

1a. Type of Work

DRILL ☒

DEEPEN ☐

1b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER ☐

Single ☒

Multiple ☐

Zone

Zone

2. NAME OF OPERATOR

CROSS TIMBERS OPERATING COMPANY

3. ADDRESS AND TELEPHONE NO.

2700 Farmington Avenue, Bld. K, Ste 1 Farmington, NM 87401 505-324-1090

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

At Surface:

1635' FNL - 675' FWL

At proposed prod. zone>

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

Approximately 49 miles from Blanco, NM to proposed well location. Please see specific directions located in the attached Surface Use Program.

11. SEC., T., R., OR BLK
AND SURVEY OR AREA

Sec. 34, T28N-R4W

12. COUNTY OR PARISH 13. STATE

Rio Arriba County NM

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

675'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED TO THIS WELL

320 N/2

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

19. PROPOSED DEPTH

6600'

20. ROTARY OR CABLE TOOLS

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

Rotary

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

This section is not to be completed and
proposed well location is at 49 miles from Blanco, NM
7196' and depth is 6600'.

22. APPROX. DATE WORK WILL START*

A.S.A.P.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3#	+/- 400'	200 sks
8-3/4"	7"	20# and 23#	+/- 4,500'	500 sks
6-1/4"	4-1/2"	10.5#	+/- TD (6,600')	200 sks

Surface Casing: Cement 9-5/8" casing @ +/- 400' with 200 sks of Class G Cement containing 2% CaCl₂, 1/4 pps Celloflake (mixed @ 14.9 ppg, 1.34 ft³/sk, 6.29 gal wtr/sk) Total slurry volume of 268 ft³ to circulate cement to surface.

Intermediate Casing: Cement 7" casing @ +/- 4,500' in a single stage with 400 sks of Class B cement containing 2% D79 (extender), 1/4 pps Celloflake, 2% CaCl₂ (mixed @ 11.4 ppg, 2.87 ft³/sk, 17.63 gal wtr/sk), followed by 100 sks of Class B cement containing 2% D79, 1/4 pps Celloflake, 2% CaCl₂ (mixed @ 13.5 ppg, 1.71 ft³/sk, 8.93 gal wtr/sk). Total slurry volume of 1,319 ft³ to circulate cement to surface.

Production Casing: Cement 4-1/2" casing @ +/- 6,600' with 50 sks of Class B cement containing 2% D79, 1/4 pps Celloflake, 2% CaCl₂ (mixed @ 11.4 ppg, 2.87 ft³/sk, 17.63 gal wtr/sk) followed by 150 sks of Class B cement containing 2% D79, 1/4 pps Celloflake, 2% CaCl₂ (mixed @ 13.5 ppg, 1.71 ft³/sk, 8.93 gal wtr/sk). Total slurry volume of 400 ft³ for 2,600' of fill (estimated TOC @ 4,000').

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 and vertical depths. Give blowout preventer program, if any.

24. SIGNED: Jeffrey W. Patton (JEFFREY W. PATTON) TITLE PRODUCTION ENGINEER DATE: 6/9/99

(This space for Federal or State office use)

Permit Number:

Approval Date:

Application approval does not warrant or certify that the applicant holds legal or equitable to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY

APPROVED BY Jeffrey W. Patton

TITLE PRODUCTION ENGINEER

DATE 6/9/99

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

NMCO

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

District II
PO Drawer 00, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

50 JUL 11 1994 33

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30039-26198	*Pool Code 72319	*Pool Name Blanco Mesa Verde
*Property Code 23488	*Property Name CARSON FEDERAL I	*Well Number 1A
*GRID No. 167067	*Operator Name CROSS TIMBERS OPERATING COMPANY	*Elevation 7196'


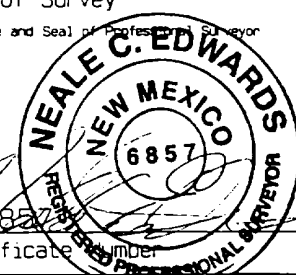
¹⁰ Surface Location

UL or lot no. E	Section 34	Township 28N	Range 4W	Lot Idn	Feet from the 1635	North/South line NORTH	Feet from the 675	East/West line WEST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres N/2 320 ac	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 5280.00' 675' 1635'	5266.80'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature JEFFREY W. PATTON Printed Name PRODUCTION ENGINEER Title June 8, 1999 Date
34	RECEIVED AUG 30 1999 OIL DIV. 11.3	¹⁸ SURVEYOR CERTIFICATION 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 belief. JULY 30, 1998 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number 6857
5280.00'	5280.00'	