

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address. CROSS TIMBERS OPERATING COMPANY 3000 N. Garfield, Suite 175 Midland, Texas 79705		² OGRID Number 005380
⁴ Property Code 003344	³ Property Name Cardinal	⁵ API Number 30 - 0 25-29793
		⁶ Well No. 1

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	27	19S	38E		2,110	North	1,650	East	Lea

⁸ Proposed 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
⁹ Proposed Pool 1 Nadine Tubb					¹⁰ Proposed Pool 2				

¹¹ Work Type Code P	¹² Well Type Code O	¹³ Cable/Rotary ---	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3,587'
¹⁶ Multiple No	¹⁷ Proposed Depth 6,810	¹⁸ Formation Tubb	¹⁹ Contractor ---	²⁰ Spud Date 4/97

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	61	195	200	Surface
12-1/4"	8-5/8"	24	1,555	800	Surface
7-7/8"	5-1/2"	15.5 & 17	7,400	1,245	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

1. Rig up pulling unit. Install double ram BOP. POH w/rods, pump & prod tbg.
2. Set CIBP @ 6,810' w/10' cmt cap.
3. Perforate Tubb 4 JSPF 6,642'-52' & 6,694'-6,697'.
4. Acidize perms w/2,000 gals 15% NEFE HCL w/ball sealers.
5. Frac perms w/36,000 gals X-linked gel carrying 155,000# 20/40 Ottawa Sd.
6. Run prod tbg, rods & pmp. Rig down pulling unit.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plugback

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Ray F. Martin*

Printed name: Ray F. Martin

Title: Operations Engineer

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNATURE OF GORDON WILLIAMS
Title: DISTRICT I SUPERVISOR

Approval JUN 05 1997

Expiration Date:

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-4719
District III
1006 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-29793		Pool Code 47525	Pool Name Nadine Tebb
Property Code 003344	Property Name Cardinal		Well Number 1
OGRID No. 005380	Operator Name CROSS TIMBERS OPERATING COMPANY		Elevation 3,587' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
G	27	19S	38E		2,110	North	1,650	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedic. Acres 40	¹³ Joint or Infill N	¹⁴ Consolidation Code	¹⁵ Order No.
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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

<p>16</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Ray F. Martin</i></p> <p>Signature Ray F. Martin</p> <p>Printed Name Operations Engineer</p> <p>Title April 18, 1997</p> <p>Date</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>