

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 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-101
Revised February 10, 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
		³ API Number 30-025-30027
⁴ Property Code 003348	⁵ Property Name Emerald	⁶ Well No. 1

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	25	19S	38E		990	South	990	East	Lea

⁸ Proposed 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

⁹ Proposed Pool 1

North House Tubbs

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 3576' GL
¹⁶ Multiple No	¹⁷ Proposed Depth 6712'	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"	54.5	203'	210	Surf
12-1/4"	8-5/8"	24	1558'	810	Surf
7-7/8"	5-1/2"	15.5, 17	8199'*	2200	3300'
			*DVT @ 5043'		

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

1. MIRU pulling unit. NU double ram BOP. POH w/prod equip.
2. Set CIBP @ 7010' above Drinkard perfs.
3. Perf squeeze holes @ 6780' & 6610'. Squeeze cement perfs. Drill out.
4. Perf Tubbs fr/6638'-6712'.
5. Acidize w/1900 gals 15% NEFE HCL acid w/ball sealers.
6. Frac w/36,000 gals XL gel carrying 155,000# 20/40 Ottawa sd.
7. Run prod equip. RDMO pulling unit.

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:

Engineer

Date:

4-3-97

Phone:

915-682-8873

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGN

SEAYON

Title:

DISTRICT I SUPERVISOR

Approval Date:

APR 10 1997

Expiration Date:

Conditions of Approval:

Attached ☐

Permit Expires 1 Year
Date Unless Drilling Underway
Plugback



16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>Ray E. Martin</u> Signature <u>Ray E. Martin</u> Printed Name <u>Engineer</u> Title <u>4-3-97</u> Date
				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. Date of Survey Signature and Seal of Professional Surveyor Certificate Number

