

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 North Garfield, Suite 175 Midland, TX 79705		² OGRID Number 005380
Permit Expires 1 Year From Approval Date Unless Drilling Underway <i>Lease</i>		³ API Number 30 - 025-05978
⁴ Property Code 003341	⁵ Property Name Bertha J. Barber	⁶ Well No. 12

⁷Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
A	7	20S	37E		335	N	647	E	Lea

⁸Proposed 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 Monument Abo					¹⁰ Proposed Pool 2 Monument Tubb				

¹¹ Work Type Code D	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3554
¹⁶ Multiple No	¹⁷ Proposed Depth 7500	¹⁸ Formation Abo	¹⁹ Contractor	²⁰ Spud Date 11-18-98

²¹Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
6-1/8"	4-1/2"	11.6#	7500	200 sx	5000

²²Describe 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.

Well history: Well was drilled in 1953 by Sinclair Oil & Gas Co. The Barber #12 is currently SI. It has 13-3/8" casing set @ 899' w/cement circulated to surface; 9-5/8" casing set @ 2898' w/TOC @ 780' and 7" casing set @ 5250' w/TOC @ 3105'. The Paddock formation was perforated from 5148'-5186'.

Proposed activity: Rig up drilling rig w/double BOPstack. If necessary, cement squeeze old perforations in Paddock formation. Drill out cement and 7" shoe w/a 6-1/8" bit and continue drilling new formation to TD @ 7500'. Anticipated formation tops are Blinberry @ 5610'; Tubb @ 6300'; Drinkard @ 6520' and Abo @ 7100'. Set 4-1/2" casing @ TD and cement. Rig down and move out drilling rig.

Cross Timbers will attempt to complete in the Abo formation. If unsuccessful, a completion in the Tubb formation will be attempted.

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

Signature: *Mark A. Gosch*

Printed name: Mark A. Gosch 915/682-8873

Title: Drilling Engineer Date: 11/09/98

OIL CONSERVATION DIVISION

Approved By: *Chris Williams*

Title:

Approval Date: 11/09/98

Expiration Date:

MP