

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APD / ROWSubmit 8 FOR Tribal
Interest, 7 for BLM*
(Other instructions on
reverse side)FORM APPROVED
Budget Bureau No. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-046563
1b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Single <input checked="" type="checkbox"/> Multiple <input type="checkbox"/> Zone Zone		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 241
2. NAME OF OPERATOR Cross Timbers Operating Company		7. UNIT AGREEMENT NAME 23607
3. ADDRESS AND TELEPHONE NO. 2700 Farmington Avenue, Building K, Suite 1 Farmington, NM 87401 505-324-1090 - Thomas W. DeLong		8. FARM OR LEASE NAME, WELL NO. FEDERAL A #1E
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At Surface: 1535' FNL - 1055' FWL At proposed prod. zone:		9. API WELL NO. 30-045-29924
14. DISTANCE IN MILES AND DIRECTIONS FROM NEAREST TOWN OR POST OFFICE Approximately 10 miles Southeast of Bloomfield, New Mexico		10. FIELD AND POOL, OR WILDCAT Basin Dakota
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. Unit line, if any.) 1055'		11. SEC., T., R., OR BLK AND SURVEY OR AREA Sec. 32, T28N-R10W
16. NO. OF ACRES IN LEASE		12. COUNTY OR PARISH San Juan County
17. NO. OF ACRES ASSIGNED TO THIS WELL W/2 320'		13. STATE NM
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. 704'		19. PROPOSED DEPTH 6700' <i>This section is subject to technical and procedural review pursuant to 43 CFR 3135.3 and appeal pursuant to 43 CFR 3165.4.</i>
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* Spring, 1999
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5883' G.L.		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24# / J-55	125'	225 sx
7-7/8"	4-1/2"	10.5# / J-55	6700'	1010 sx

Surface 8-5/8", 24#, J-55, STC casing at 300', 225 sx of Class "B" cement w/ 2% CaCl₂ & 1/4 pps Flocele (14.8 ppg, 1.34 cu.ft./sx)

Production 4-1/2", 10.5#, J-55, STC casing at 6,700', w/ DVT @ 2,200'

First Stage: Lead - 260 sx of 35:65 Poz "B" cement w/ 6% Gel, 5 pps Gilsonite, & 1/4 pps Celloflake (12.9 ppg, 1.85 cu.ft./sx) Tail - 150 sx of Class "G" cement w/ 5 pps Gilsonite, & 1/4 pps Celloflake (14.8 ppg, 1.33 cu.ft./sx)Second Stage: Lead - 500 sx of 35:65 Poz "B" cement w/ 6% Gel, 5 pps Gilsonite, & 1/4 pps Celloflake (12.9 ppg, 1.85 cu.ft./sx) Tail - 100 sx of Class "G" cement w/ 5 pps Gilsonite (14.8 ppg, 1.33 cu.ft./sx)

Remarks: Use 25% excess over volume calculated from open hole logs to bring TOC up to surface.

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: Thomas W. DeLong TITLE Thomas W. DeLong, Production Engineer DATE: May 5, 1999

(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 _____ TITLE _____ DATE _____

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.

R-11169 NSL+Comp. Doc
HMOCD

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

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-29924	*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 23607	*Property Name FEDERAL A	*Well Number 1E
*GRID No. 167067	*Operator Name CROSS TIMBERS OPERATING COMPANY	*Elevation 5883'

10 Surface Location

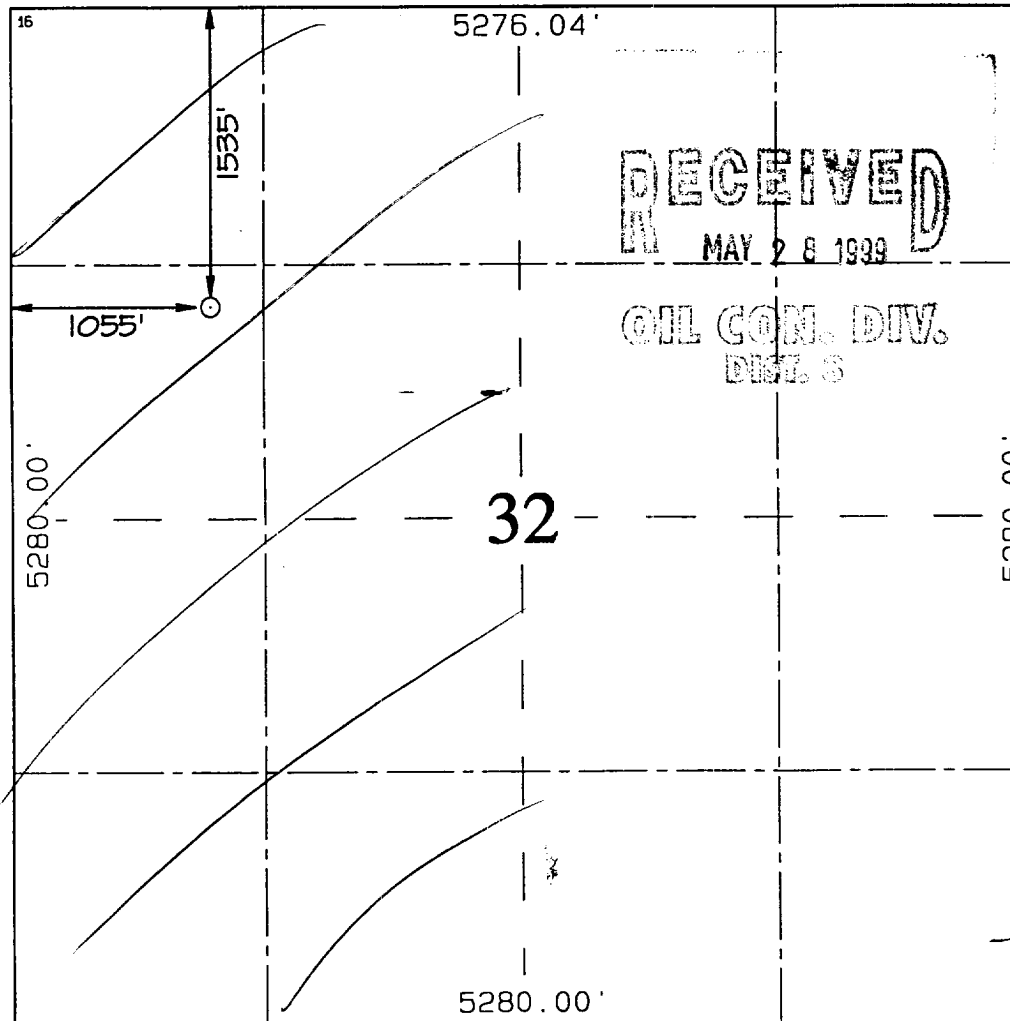
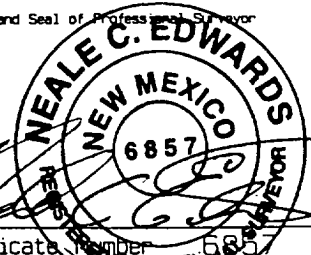
UL or lot no. E	Section 32	Township 28N	Range 10W	Lot Idn	Feet from the 1535	North/South line NORTH	Feet from the 1055	East/West line WEST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 32.0	13 Joint or Infill	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

16 	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Thomas W. Delong Printed Name Production Engineer Title 5-7-99 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. JANUARY 28, 1999 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number 6857	

