



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**Cross Timbers Operating Company**

3. ADDRESS AND TELEPHONE NO.  
**2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface  
**1.535 FNL & 1.055' FWL, Sec 32, T28N, R10W, Unit E**  
 At top prod. interval reported below

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_  
 At total depth

5. LEASE DESIGNATION AND SERIAL NO.  
**SF 046563**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
**Federal A #1E**

9. API WELL NO.  
**30-045-29924**

10. FIELD AND POOL, OR WILDCAT  
**Basin Dakota**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec 32, T28N, R10W**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**NM**

15. DATE SPUNDED **6/17/99** 16. DATE T.D. REACHED **6/28/99** 17. DATE COMPL. (Ready to prod.) **8/4/99** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5,883' GL, 5,895' KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **6,671' MD & TVD** 21. PLUG, BACK T.D., MD & TVD **6,617 MD & TVD** 22. IF MULTIPLE COMPL., HOW MANY\* **1** 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **0' TO 6,671'** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*  
**6,270' to 6,432' (MD & TVD) Basin Dakota**

25. WAS DIRECTIONAL SURVEY MADE  
**Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**SDL/DSN (Denisty/Neutron), HRI (Induction), GR, SP, CCL**

27. WAS WELL CORED  
**No**

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8", J-55	24#	308'	12-1/4"	225 sx Cl "B". Circ to surf.	
4-1/2", J-55	10.5#	6,664'	7-7/8"	1st stq 500 sx Cl "B". DV @ 3,125'. 2nd stq 600 sx Cl "B"	
				Tops 4,195' & surface.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6,411'	n/a

31. PERFORATION RECORD (Interval, size and number)  
**6,270.5, 71.5', 72.5', 73.5', 6,300.5, 01.5', 02.5', 03.5', 04.5', 05.5', 61', 71', 80', 94', 6,401', 27.5', 28.5', 29.5', 30.5', 19 holes @ .34" dia.**

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6,270.5'-6,430.5'	1,200 gals 15% HCl acid.
	80,000# 20/40 sd, 10,000# 20/40 resin coated sd & 52,125 gals gel

33. PRODUCTION

DATE FIRST PRODUCTION **8/12/99** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **Flowing** WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST **8/7/99** HOURS TESTED **17** CHOKE SIZE **3/4"** PROD'N. FOR TEST PERIOD **→** OIL - BBL **1.4** GAS - MCF. **407** WATER - BBL **9** GAS - OIL RATIO **290.714**

FLOW. TUBING PRESS. **32** CASING PRESSURE **220** CALCULATED 24-HOUR RATE **→** OIL - BBL **2** GAS - MCF. **574** WATER - BBL **12.7** OIL GRAVITY - API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *[Signature]* TITLE *Production Engineer* DATE *9/1/99*

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Dakota	6,270'	6,547'	Oil & Gas	Fruitland Fm.	1,572'	1,572'
				Pictured Cliffs	1,852'	1,852'
				Chacra SS.	2,767'	2,767'
				Mesaverde	3,368'	3,368'
				Gallup	5,378'	5,378'
				Dakota	6,270'	6,270'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.  
**SF-046563**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
**Federal A #1E**

9. API Well No.  
**30-045-29924**

10. Field and Pool, or Exploratory Area  
**Basin Dakota**

11. County or Parish, State  
**San Juan Co NM**

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Cross Timbers Operating Company**

3a. Address **2700 Farmington Avenue, Bldg K, Suite 1, Farmington, NM 87401**

3b. Phone No. (include area code)  
**505/324-1090**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1535' FNL & 1055' FWL, Unit Ltr E Sec. 32, T28N, R10W**

**REC'D / SAN JUAN**

**JUN 29 1999**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <u>Spud and Surface Casing</u>
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

MIRU rotary. Spudded 12-1/4" hole @ 7:45 am (MST) 6/17/99. Drilled 12-1/4" hole to 314'. RU and ran 7 jts 8-5/8", 24#, J-55 STC casing and set @ 308'. RU Cementers, Inc. and cemented w/225 sx C1 B w/2% CaCl<sub>2</sub> and 1/4#/sx celloflake (15.6 ppg, 1.18 cuft/sx). Displaced cement w/17 BFW. Plug down @ 5:15 pm, 6/17/99. Bumped plug to 500 psig, 400 psig over final displacement pressure. Circulated 12 sx cement topit. WOC 12 hrs. NU BOP. Tested BOP to 1000 psig, OK. PU 7-7/8" bit and drilled out cement. Prep to drill ahead.

RECEIVED  
BLM  
59 JUN 23 PM 12:24  
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) **Bobby L. Smith** *Bobby L. Smith*

Title **Drilling/Operations Manager**

Date **6/21/99**

**THIS SPACE IS RESERVED FOR FIELD OFFICE USE**

Approved by \_\_\_\_\_

Office \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

**ACCEPTED FOR RECORD**

**JUN 24 1999**

**CROSS TIMBERS GROUP  
INTEREST MEMO**

GLM ✓  
TOD ✓  
WF ✓

Distribution:	Ken Staab	Mary Coughran	Tim Plue/Shirley Ottinger	Don Barton
	Bennie Kniffen	Scott Clair	Melanie Ramirez	Oklahoma City/Midland
	Mark Stevens	Joy Webster	Terry Reid/Jean Ann Dobbs	Tyler/Farmington
	Terry Schultz	Dave Schroeder	Bill Manning	File Book
	Pat Benson	<u>Jerry Stadulis</u>	Kelly Stinnett	Well File

Date Prepared June 30, 1999 Well Name Federal A #1E

Lease Number Amoco LPN #68605, 529-7583-00 Well Number 71720

Orig Memo  Supp Memo

**REC'D / SAN JUAN**

**JUL 08 1999**

WELL OWNERSHIP		WORKING INTEREST %		NET REVENUE INTEREST %	
		BPO	APO	BPO	APO
Operator & Address					
Cross Timbers Oil Company		57.78825%	56.6667%	50.36994%	49.41670%
Non-Operators: Address if CTOC Operator					
<b>SEE ATTACHED</b>					
<b>TOTAL</b>					
W.I. should be carried to 5 places and should total 100%					

<b>DEAL</b>	<b>AFE # 98788</b>
<p>This is second well drilled in this unit on the acreage acquired from Amoco. The interest is for Dakota well only. Interest will be different above Dakota Formation. The NRI listed is an approximate. The non-consent penalty under NMOCD compulsory pooling is cost plus 150%. Well must spud by July 31, 1999 per terms of NMOCD Order #R-11169.</p> <p><b>THIS IS NOT IN THE HUGOTON ROYALTY TRUST.</b></p> <p>REVISION DUE TO CHANGE IN NRI FOR ALL PARTIES.</p>	

EXHIBIT TO INTEREST MEMO

	<u>WI% BPO</u>	<u>NRIBPO</u>	<u>WI%APO</u>	<u>NRIAPO%</u>
Cross Timbers Operating Company 810 Houston Street, Suite 2000 Fort Worth, Texas 76102-6298	57.78825%	50.36994%	56.6667%	49.41670%
Mathias Family Trust dtd 9-9-81 452 Maidstone Lane Thousand Oaks, CA 91320	.0000%	.0000%	.6892%	.58580%
Virginia L. Mullin 1 Churchill Drive Englewood, CO 80110	1.0000%	.85000%	1.0000%	.85000%
William L. Floyd 16 East 77th Street, #5A New York, New York 10021-1723	.07395%	.06285%	.07395%	.06285%
Rita Treasa Floyd 4901 Saratoga Blvd., Apt 828 Corpus Christi, TX 78413	.00000%	.00000%	.07395%	.06284%
Leon M. DuCharme Marital Trust 2617 South Wadsworth Circle Lakewood, CO 80277-3220	.5000%	.42500%	.5000%	.42500%
Rita Mae DuCharme 2617 South Wadsworth Circle Lakewood, CO 80277-3220	.5000%	.42500%	.5000%	.42500%
B.B.L., Ltd. P.O. Box 911 Breckenridge, TX 76424-0911	13.4375%	11.42188%	13.4375%	11.42188%
States, Inc. P.O. Box 911 Breckenridge, TX 76424-0911	16.5625%	14.07812%	16.5625%	14.07812%
Chateau Energy, Inc. 5950 Berkshire Ln #275 Dallas, TX 75225-5846	7.5000%	6.37502%	7.5000%	6.37502%
Chesapeake Mid-Continent Corp. P.O. Box 18496 Oklahoma City, OK 73154	2.5000%	2.12501%	2.5000%	2.12501%
Richard P. Shooshan, Trustee of the Shooshan Family Trust 686 E. Union St. Pasadena, CA 91101-1820	.0000%	.00000%	.3584%	.30462%
Bernard Hyde Trust, Bernard Hyde Trustee 28242 Yanez Mission Viejo, CA 92692-1836	.1378%	.11719%	.1378%	.11719%
	<u>100.0000%</u>		<u>100.0000%</u>	

FEDERAL A#1E