



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

November 16, 1998

Cross Timbers Oil Company
810 Houston Street - Suite 2000
Fort Worth, Texas 76102-6298

Telefax No. (817) 870-1671

Attention: George A. Cox

P-20-27N-8W

Re: Division Administrative Order NSL-4152(BHL)

Dear Mr. Cox:

I have reviewed your letter dated November 10, 1998 informing the Division of a change in the bottom-hole location for Cross Timbers' proposed Florance Well No. 70. This new bottom-hole location (1200' FSL & 1000' FEL) is well within the "producing area" as provided in the subject order:

"The applicable drilling window or "producing area" within the Fruitland coal interval for this wellbore shall include that area within the subject 320-acre gas spacing and proration unit comprising the SE/4 of Section 20 that is:

- (a) no closer than 790 feet to the East, South, and West lines of the SE/4 of Section 20; and,
- (b) no closer than 130 feet to the North line of the SE/4 of Section 20."

It will therefore be unnecessary for the Division to amend Division Administrative Order NSL-4152(BHL). However, in order to comply fully with Division Rule 111.C(1), please submit a copy of an amended Federal APD Form 3160-5 and NMOCD Form C-102 showing this change to the Aztec District Office of the Division.

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/kv

cc: New Mexico Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington
File: NSL-4152(BHL)

RECEIVED
NOV 18 1998
OIL CON. DIV



LTR



Job separation sheet

160-4
(Jan 1992)

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

LEASE DESIGNATION AND SERIAL NO.
NM-03380

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other _____		59 JAN 26 PM 1:18	
2. NAME OF OPERATOR Cross Timbers Operating Company				070 FARMINGTON, NM	
3. ADDRESS AND TELEPHONE NO. 2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401				8. FARM OR LEASE NAME, WELL NO. Florance #70	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2,025' FSL & 2,035' FEL Unit J At top prod. interval reported below 1,611' FSL & 1,516' FEL Unit J At total depth 1,188.9' FSL & 1,008.7' FEL Unit P				9. API WELL NO. 3004529718	
14. PERMIT NO.		DATE ISSUED		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal	
15. DATE SPUNDED 11/15/98		16. DATE T.D. REACHED 11/21/98		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 20, T27N, R08W	
17. DATE COMPL. (Ready to prod.) 1/11/99		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6,777' GL		12. COUNTY OR PARISH San Juan	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 3385' MD 2997 TV		21. PLUG, BACK T.D., MD & TVD 3318' MD 2940' TVD	
22. IF MULTIPLE COMPL., HOW MANY* 2		23. INTERVALS DRILLED BY ROTARY TOOLS 0-3385' MD		24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Basin Fruitland Coal 3008'-3150' MD 2677'-2797' TVD	
25. WAS DIRECTIONAL SURVEY MADE yes		26. TYPE ELECTRIC AND OTHER LOGS RUN GR, CCL, SP, Litho Density, Compensated Neutron & Array Induction		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"	24#/ft	625' MD KB	12-1/4"	425 sx cl B circ to surface	
4-1/2"	10.5#/ft	3383' MD KB	7-7/8"	365 sx Econolite & 200 sx Cl	
				B. Circ to surf.	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	PACKER SET (MD)
30. TUBING RECORD			31. PERFORATION RECORD (Interval, size and number)		
SIZE	DEPTH SET (MD)	PACKER SET (MD)	32. ACID, SHOT, FRACTURE, CEMENT SOLLEAZE, ETC.		
2-3/8"	3,212' MD KB	n/a	33. PRODUCTION		
DATE FIRST PRODUCTION			PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing		
WELL STATUS (Producing or shut-in) SI			DATE OF TEST 1/13/99		
HOURS TESTED 9.25 hrs			CHOKE SIZE 1/2"		
PROD'N. FOR TEST PERIOD 0			OIL - BBL. 0		
GAS - MCF. 46			WATER - BBL. 19		
GAS - OIL RATIO			FLOW. TUBING PRESS. 135 psig		
CASING PRESSURE 315 psig			CALCULATED 24-HOUR RATE 0		
OIL - BBL. 0			GAS - MCF. 120		
WATER - BBL. 49			OIL GRAVITY - API (CORR.)		
DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold			TESTED BY Dusty Mecham		
LIST OF ATTACHMENTS			JAN 29 1999		
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED _____			TITLE Production Engineer		

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

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.

NMOCB

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
Ojo Alamo	2033' TVD		SS			
Kirtland Shale	2109' TVD		Sh			
Fruitland	2554' TVD		SS			
Upper Coal	2691' TVD		Coal			
Middle Coal	2758' TVD		Coal			
Lower Coal	2821' TVD		Coal			
Pictured Cliffs	2827' TVD		SS			
Lewis Shale	2911' TVD		Sh			

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM-03380	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Cross Timbers Operating Company		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM 87401		8. FARM OR LEASE NAME, WELL NO. Florance #70	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2,025' FSL & 2,035' FEL Unit J At top prod. interval reported below 1,293' FSL & 1,147' FEL Unit P At total depth 1,188.9' FSL & 1,008.7' FEL Unit P		9. API WELL NO. 3004529718	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 11/15/98		16. DATE T.D. REACHED 11/21/98	
17. DATE COMPL. (Ready to prod.) 1/11/99		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6,777' GL	
20. TOTAL DEPTH, MD & TVD 3385' MD 2997 TV		21. PLUG, BACK T.D., MD & TVD 3318' MD 2940' TVD	
22. IF MULTIPLE COMPL., HOW MANY* 2		23. INTERVALS DRILLED BY ROTARY TOOLS 0-3385' MD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Ballard Pictured Cliffs 3203'-3235' MD 2842'-2869' TVD		25. WAS DIRECTIONAL SURVEY MADE yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR, CCL, SP, Litho Density, Compensated Neutron & Array Induction		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
8-5/8"	24#/ft	625' MD KB	12-1/4"
4-1/2"	10.5#/ft	3383' MD KB	7-7/8"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	3,212' MD KB		
31. PERFORATION RECORD (Interval, size and number) 3235', 3234', 3233', 3229', 3223', 3221', 3215', 3209', 3206', 3203'. 1 JSPF, 0.34" dia, 10 holes			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
3203'-3235'		500 gal 15% HCl acid w/20 Balls.	
		32500 gals 60Q foam w/60,000#	
		16/30 Arizona sd.	
33.* PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing	
		WELL STATUS (Producing or shut-in) SI	
DATE OF TEST 12-22-98	HOURS TESTED 22 hrs	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD OIL - BBL. 0
			GAS - MCF. 731
			WATER - BBL. 15
			GAS - OIL RATIO
FLOW. TUBING PRESS. 55 psig	CASING PRESSURE 155 psig	CALCULATED 24-HOUR RATE OIL - BBL. 0	GAS - MCF. 797 MCFPD
			WATER - BBL. 16 bbls
			OIL GRAVITY - API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold		TEST WITNESSED BY Dusty Mechem	
35. LIST OF ATTACHMENTS		JAN 2 1999	

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

SIGNED

TITLE Production Engineer

DATE

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

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Kirtland Shale	2109' TVD		Sh				
Fruitland	2554' TVD		SS				
Upper Coal	2691' TVD		Coal				
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Lower Coal	2821' TVD		Coal				
Pictured Cliffs	2827' TVD		SS				
Lewis Shale	2911' TVD		Sh				