Fogm 3162-3 (July 1991)

UNITED STATES

SUBMIT IN TRIPLICATE* (Other instructions on reverse side) FORM APPROVED OMB NO. 1004-0136

	Expires:	February 28, 1995
LEASE I	DESIGNATI	ION AND SERIAL NO

DEPARTMENT OF THE INTERIOR						5. LEASE DESIGNATION AND SERIAL NO.		
	SF - 081239							
APPLIC	CATION FOR PE	RMIT TO D	RILL	OR DEEPEN		6. IF INDIAN, ALLOTTEE OR	TRIBE NAME	
TYPE OF WORK						7. UNIT AGREEMENT NAME		
b. TYPE OF WELL	LL X-	DEEPEN					2262	
OIL C	GAS X		S	NGLE X - MULTI	PLE	8. FARM OR LEASE NAME, W	VELL NO.	
2. NAME OF OPERATOR	WELL CALL OTHER			ZONE ZONE		LC Kelly	#5M	
Cross Timbers Oper	rating Company			10,000			·	
3. ADDRESS AND TELEPHONE				6788117	1775	9. API WELL NO. 30 145	-30761	
	ve., Bldg. K. Ste 1			174 91 5	())	10. FIELD AND POOL, OR WIT		
LOCATION OF WELL (Report At surface	t location clearly and in accor	dance with any Sta	te requiren	SEP 200	E	Basin Dakota /		
1,060' FNL &	660' FFI			IN RECEIVE	1 3	Blanco Mesaverd	e	
At proposed prod. zone	000 122			RECEIVE OIL CON, DI	io i	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
				DIST. DI	v 🖼	Sec 3, T30N,	R12W	
	DIRECTION FROM NEAREST TO				25	12. COUNTY OR PARISH	13. STATE	
Approx / miles nor	rtheast of the Flor	<u>ra Vista, NM</u>		10/-	71 CO	San Juan	NM	
LOCATION TO NEAREST	ET		16. NO. C	26.36 76.30	TO THIS	ACRES ASSIGNED WELL		
(Also to nearest drlg, unit	line, if any) 000		318			318.65		
 DISTANCE FROM PROPOSE TO NEAREST WELL, DRILLE 	D LOCATION* NG, COMPLETED,		1	OSED DEPTH	1	Y OR CABLE TOOLS		
OR APPLIED FOR, ON THIS 21. ELEVATIONS (Show wheth			7,1	<u>25'</u>	Rota	ary Tools		
	, , ==-,					22. APPROX. DATE WORK WILL START		
5,870' Ground Leve	<u> </u>		· -·			Fall 2001		
23.	F	PROPOSED CASIN	G AND CI	MENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO	эт	SETTING DEPTH		QUANTITY OF CEME	NT	
12-1/4"	8-5/8", J-55	24.0#		350'	245 s	x Type III cmt, ci	rc to surfac	
7-7/8"	4-1/2", J-55	10.5#		7,125'—		x Premium Lite cmt		
Cross Timbers Program.	plans to 43 CFR 3166 plans to drill the	e above ment	epen.give o	lataon presentproductivez	i in the	sechew productivezone. If pr		
	tinent data on subsurface loss	idons and measured	and true	vertical depths. Give blowd	out preventer	program, if any.		
significant Drilling Engineer						7/21/01		
SIGNED -	7001	70 / T	TILE DI.	TITING ENGINEER		DATE 7/31/01		
(This space for Federal or	r State office use)							
PERMIT NO.				APPROVAL DATE	9,	15/01		
		licant holds legal or eq	uitable title		ase which would	d entitle the applicant to conduct	operations thereon.	
	A Joel Farrell							

*See Instructions On Reverse Side Title 18 U.S.C. Section 1001, makes it a crime for any personknowingly and willfully to make to any department agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico _nergy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994

Instructions on back

DISTRICT II P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III

RECD/SAN OIL CONSERVATION DIVISION

Submit to Appropriate District Office State Lease — 4 Copies Fee Lease - 3 Copies

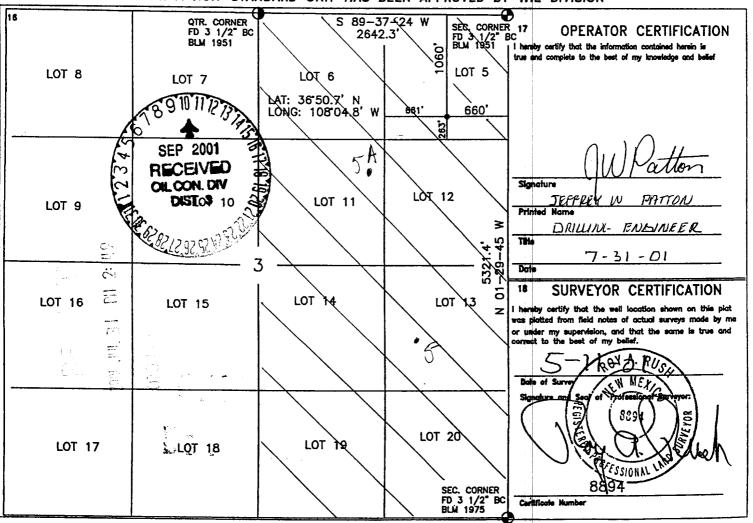
1000 Rio Brazos Rd., Aztec, N.M. 87410 DISTRICT IV PO Box 2088, Santa Fe, NM 87504-2088 P.O. Box 2088 Santa Fe, NM 87504-2088 MAY 1 4 2001

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

16/	² Pool Code 7/59	9	B14S1/				
		⁵ Property N	ame			⁶ Well Number	
	L.C. KELLY						
*Operator Name * Ele						[®] Elevation	
	CROSS TIMBERS OPERATING CO.						
		¹⁰ Surface	Location				
1	Range Lot Idn 12—W	Feet from the 1060	North/South line NORTH	Feet from ti	he East/We EAST	st line County SAN JUAN	
	¹¹ Bottom Hole	Location	If Different F	rom Surf	ace		
Township	Range Lot Idn	Feet from the	North/South line	Feet from t	he East/We	st line County	
E Join	t or Infili	¹⁴ Consolidation Co	l ode	¹⁶ Order No.			
	Township 30—N	CROS Township Range Lot Idn 30-N 12-W 11 Bottom Hole	Township Range Lot Idn Feet from the Township Range Lot Idn Feet from the Township Range Lot Idn Feet from the Range Lot Idn Feet from the Location	**Property Name L.C. KELLY **Operator Name CROSS TIMBERS OPERATING CO. **Township Range Lot Idn Feet from the North/South line NORTH **Township Range Lot Idn Feet from the NORTH **Township Range Lot Idn Feet from the North/South line NORTH **Township Range Lot Idn Feet from the North/South line	**Property Name L.C. KELLY **Operator Name CROSS TIMBERS OPERATING CO. **Township Range Lot Idn Feet from the North/South line Feet from the NORTH **Township Range Lot Idn Feet from the NORTH **Township Range Lot Idn Feet from the North/South line Feet from the North/South l	**Property Name L.C. KELLY **Operator Name CROSS TIMBERS OPERATING CO. **Township Range 1060 North/South line Feet from the 1060 NORTH **Township Range Lot Idn Feet from the 1060 NORTH **Township Range Lot Idn Feet from the North/South line Feet from the East/We EAST **Township Range Lot Idn Feet from the North/South line Feet from the East/We	

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



DISTRICT (F.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
_nergy, Minerals & Natural Resources Department

Form C-102

Revised February 21, 1994 Instructions on back

DISTRICT II P.O. Drawer DO, Artesia, N.M. 88211-0719

RECD/SAN OIL CONSERVATION DIVISION

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DISTRICT III 1000 Rio Brazos Rd., Aziec, N.M. 87410

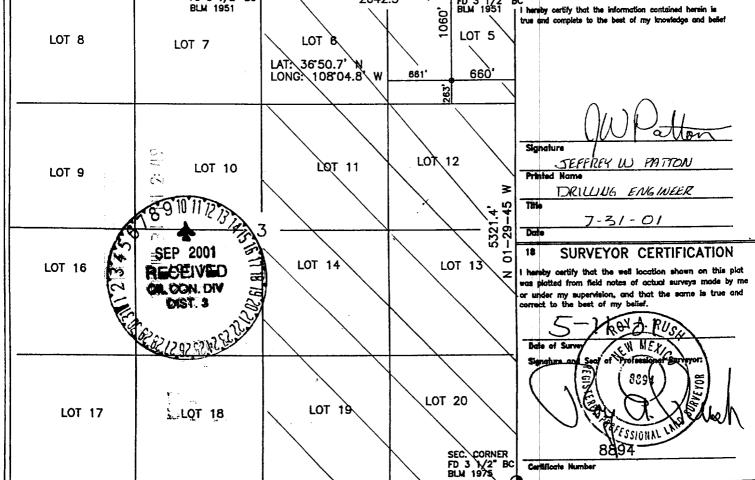
P.O. Box 2088 Santa Fe, NM 87504-2088

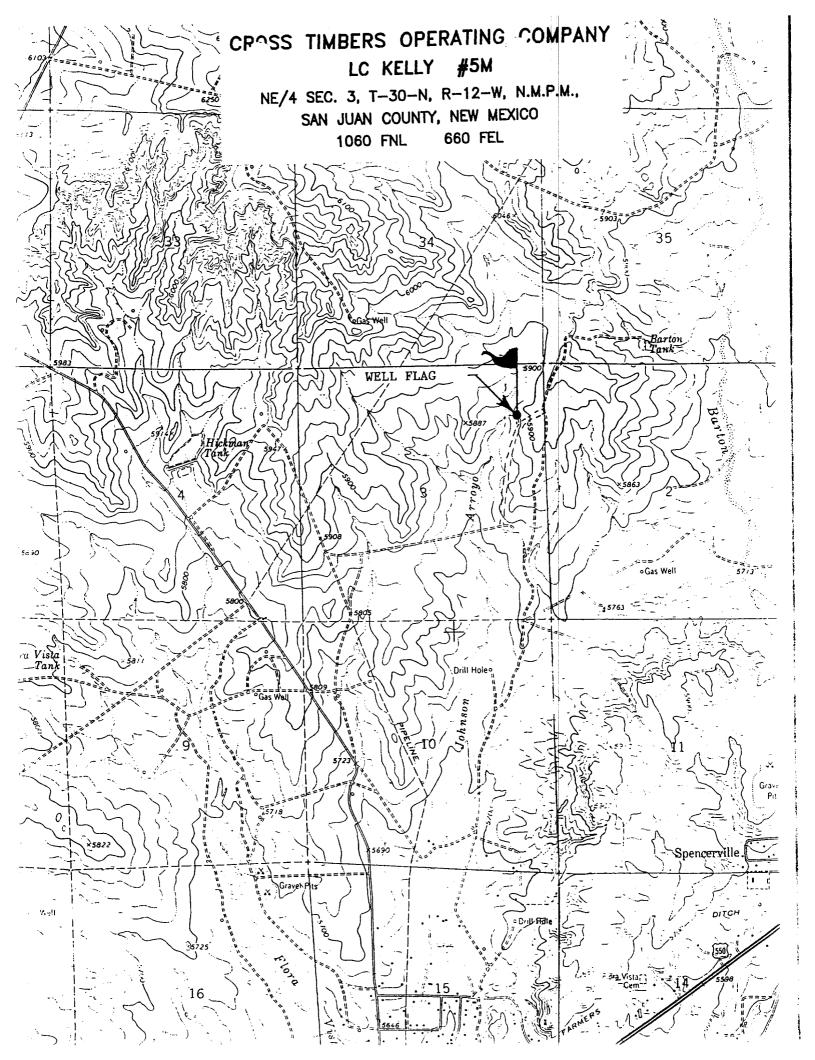
MAY 1 4 2001

☐ AMENDED REPORT

DISTRICT IV

0 Box 2088, San	ig Fe, NM 8	7504-2088						—		
		٧	VELL L	OCATIO	N AND A	CREAGE DED	ICATION P	LAT		
7 'API	Number	7/ 1		*Pool Code 77 319			Pool Nam	-		
30-045		761		AVERDE_						
Property Co	de		• **	ell Number						
aabo	30				L.C. K	ELLY			5M	
OGRID No.					*Operator	Name			⁸ Elevation	
16700	67			CROS	S TIMBERS O	PERATING CO.		5	870'	
,	•				¹⁰ Surface	Location				
UL or lot no. A	Section 3	Township 30-N	Range 12-W	Lot Idn	Feet from the 1060	North/South line NORTH	Feet from the 660	East/West line EAST	County SAN JUAN	
			¹¹ Botto	m Hole	Location	If Different F	rom Surfac	е		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
12 Dedicated Acres	l	F / 13 J	olnt or Infili		¹⁴ Consolidation C	ode	16 Order No.			
318	. 65	/2	I							
NO ALLOW	ABLE V					ION UNTIL ALI	1		CONSOLIDATE	
LOT 8		FC	TR. CORNER 3 1/2" BG JM 1951		S 89-3 2642 OT B	_, \ 350. \	951 I hereby certification	OPERATOR CE by that the information con plete to the best of my kn	tained herein is	
				LAT: 3 LONG:	650.7' N 108'04.8' W	881, 66	9.	IWP.	Han	





4. <u>CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):</u>

A. Surface:

8-5/8", 24#, J-55, STC casing to be set at \pm 350'.

<u>Lead:</u> 245 sx of Class "B" cement (or equivalent) containing 2% CaCl₂, ¼ pps celloflake, mixed at 15.6 ppg, 1.18 ft³/sk, & 5.20 gal wtr/sk.

Total slurry volume is 289 ft³, 100% excess of calculated annular volume to 350'.

B. Production:

4-1/2", 10.5#, J-55, STC casing to be set at $\pm 7,125$ '.

510 sx of Lite-Crete cement (proprietary blend) containing ¼ pps celloflake mixed at 9.5 ppg, 2.52 ft³/sk, 11.50 gal wtr/sx followed by 200 sx 50/50 class "G" with poz, 6 % gel, 1/4#/sx cellofalke, 0.2% dispersant & 0.2% fluid loss additive mixed at 13.0 ppg, 1.42 cuft/sx, 9.85 gal/sx.

Total estimated slurry volume for the 4-1/2" production casing is 1,569 ft³ (no excess).

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined for the caliper logs plus 20%. It will be attempted to circulate cement to the surface.

5. LOGGING PROGRAM:

- A. Mud Logger: The mud logger will log from 3,500' to TD (7,125').
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD to 3,500'. Formation Micro Imager (FMI) will be run on most wells from TD to ±6,600'.

6. FORMATION TOPS:

Est. KB Elevation: 5.882'

Formation	Subsea Depth	Well Depth
Farmington Sandstone	+4907'	976'
Fruitland Formation	+4021'	1862'
Lower Fruitland Coal	+3701'	2182'
Pictured Cliffs SS	+3669'	2214'
Lewis Shale	+3439'	2444'

