Form 3160-3 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

	BUREAU OF	U				AMME 1485/5 5/077380			
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
APPLIC		A LOUIS ACRES MEDITALIANT							
TYPE OF WORK		7. UNIT AGREEMENT NAME							
DRI	LL X	DEEPEN	J		[22703			
WELL	GAS X OTHER	3 1 101	S	INGLE X MULTIPI	LE 🗌	8. FARM OR LEASE NAME, WELL NO. Federal Gas Com #2E			
2. NAME OF OPERATOR	rating Company	TIME			ļ	9. API WELL NO.			
Cross Timbers Ope	1	30-045-30736							
3. ADDRESS AND TELEPHONE 2700 Farmington A		10. FIELD AND POOL, OR WILDCAT							
LOCATION OF WELL (Repo	rt location clearly and in accor	dance with any Sta	te requirer	nents. DEC 2001		Basin Dakota			
Atsurface			<u>.</u>	Francisco Control	-	11. SEC., T., R., M., OR BLK.			
1,595' FNL & 1,5 At proposed prod. zone	1,595' FNL & 1,510' FWL			(€)		AND SURVEY OR AREA			
rit proposed production			<u> </u>			F Sec 27, T28N, R10W			
14. DISTANCE IN MILES AND I	DIRECTION FROM NEAREST TO	VN OR POST OFFICE	· /		160	12. COUNTY OR PARISH 13. STATE San Juan NM			
This well is loca	ted approx 23 sout	neast of the	Bloom	rield NM post Oil	Ice II	ACRES ASSIGNED			
 DISTANCE FROM PROPOSI LOCATION TO NEAREST 			то			THIS WELL			
PROPERTY OR LEASE LINE (Also to nearest drlg. uni	t line, if any) 1,510	<u> </u>	320		20 POTAR	320 W/F			
 DISTANCE FROM PROPOSITION FAREST WELL DRILL 		1	POSED DEPTH		ROTARY OR CABLE TOOLS 0-6925' Rotary Tools				
OR APPLIED FOR, ON THE	S LEASE, FT. 100		6925'			22. APPROX. DATE WORK WILL START*			
21. ELEVATIONS (Show whe						Oct. 2001			
5978' Ground Leve						000. 2001			
23.		PROPOSED CASIN	G AND C	EMENTING PROGRAM					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO	ют	SETTING DEPTH	-	QUANTITY OF CEMENT			
12-1/4"	8-5/8" J-55	24 #/f	t	+-350'		sx cl B cmt			
7-7/8"	4-1/2", J-55	10.5 #/ft		+-6925'	+- 715	sx cmt			
₹0.5 A\$\\Dose	Control of the Angles And the Angles and the Angles	30004.	tioned	well as described	i in the	enclosed Surface Use			
C :						ere e e e e e e e e e e e e e e e e e e			
L"					(6)	ā vardi Nora ortug <mark>as</mark>			
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:									
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•						ocadnow productivezone. If proposalis to drill or			
IN ABOVE SPACE DESCRI	IBE PROPOSED PROGRAM: pertinent data on subsurface to	If proposalis to d cations and measu	eepen,giv red and tri	re dataon presentproductivez ue vertical depths. Give blow	out preventer	osednew productivezone. If proposalis to drill or program, if any.			
deepen directionally, give p	A D D D D D D D D D D D D D D D D D D D								
24.		11	-			7.47.404			
	1110 1 al	lon	TITLE _D	rilling Engineer		DATE 7/17/01			
SIGNED -									
(This space for Federa	l or State office use)			APPROVAL DATE	12/	17/01			
PERMIT NO.					ease which wou	Id entitle the applicant to conduct operations thereon.			
		opticant holds legal or	equitable ti	ine to mose tikins in me ambeet i		ld entitle the applicant to conduct operations thereon.			
CONDITIONS OF APPR	OVAL, IF ANY:	_				12/12/21			
,	1/1/1///	· •		151		12/17/8/			

DISTRICT 1 P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
State of New Mexico
San Juan
Revised February 21, 1994
San Juan
Instructions on back

Form C-102 Instructions on back

6 2001 State Lease - 4 Copies

8894

Cartificate Number

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

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, NM 87504-2088

State Lease — 4 Copies Fee Lease — 3 Copies

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

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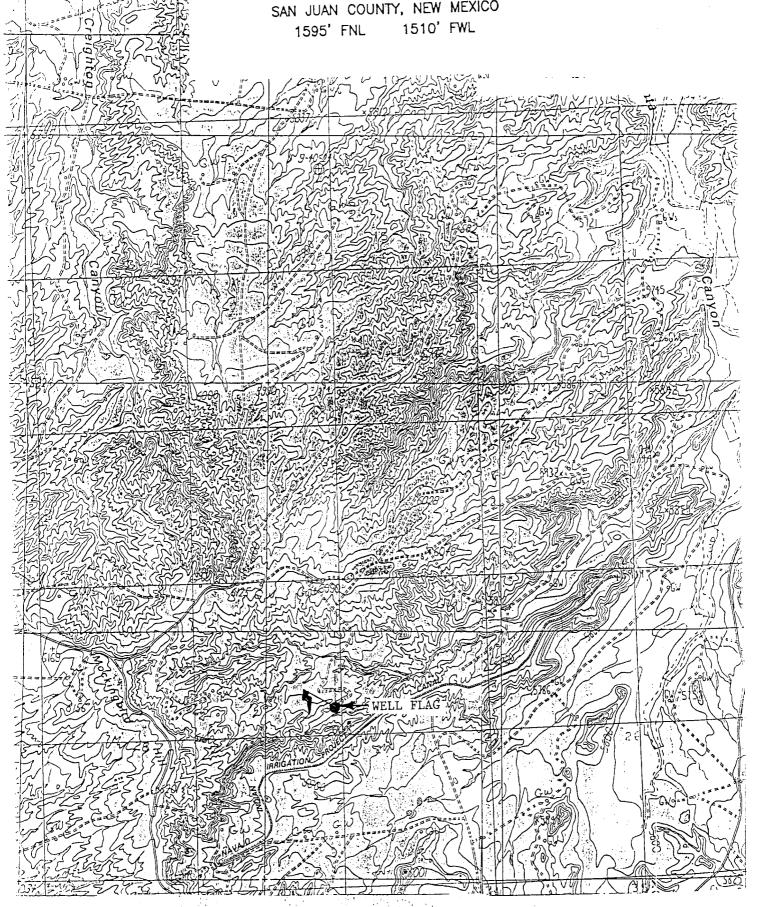
CALC'D CORNER FROM W.C. FD. S 00-00-29 W 13.2'

MENDED REPORT

		So	inta Fe, NM 8/	504-2000		☐ AMI	ENDED REPORT		
STRICT IV D Box 2088, Santa Fe, NM	87504-2088			מהייטה טבטו	CATIONI DI	ΛТ			
	WELL	LOCATION	N AND ACH	REAGE DEDI	Pool Name	A I			
API Number	17/-	TPI	Well Number						
	/36	736 7/599 BASIN DAKOTH							
Property Code			2E *Elevation						
OGRID No.			*Cperator Name S TIMBERS OPERATING CO.				5978'		
167067		CROS	SS TIMBERS OF	PERATING CO.					
			¹⁰ Surface		Took from the	East/West line	County		
UL or lot no. Section	· 1	-	Feet from the 1595'	North/South line NORTH	Feet from the	WEST	SAN JUAN		
F 27	28-N 10-			f Different Fr					
		Bottom Hole	Feet from the	North/South line	Feet from the	East/West line	County		
UL or lot no. Section	n Township Ron	ige Cot ion							
¹² Dedicated Acres	13 Joint o	r Infill	4 Consolidation Co	ode	15 Order No.				
320		J							
NO ALLOWABLE	WILL BE ASSI	GNED TO TH	IS COMPLETI	ON UNTIL ALL	INTERESTS	HAVE BEEN	CONSOLIDATED		
NO MEEDWILL	OR A NON	-STANDARD	UNIT HAS E	EEN APPROVE	U BI INC U	101011			
FD 3 1/2" BC G.L.O. 1913	275'	1128		G.L.O. 1	true and com	ry that the information piete to the best of n	ny knowledge and belief		
2 1510'	LAT: 36'3	8'10" N.			Signature		ulon		
5278.60' (M)	LONG: 10	7.53'12" W.	1		Printed N				
3.60				Joi to	Title D	RILLING EN	GINEER		
527	1044		torn.		lide	7-17-01			
		\ 27			Date				
							CERTIFICATION		
	\				l man mintted	from field nates of	ocation shown on this plat octual surveys made by m		
			e de la companya de l		or under m correct to	the best of my bai	that the same is true and et. A. RUS		
)-29 E					Date of Signature	Survey Send of Profe	Sand Surveyor		
00-00						15 FC.			

CROSS TIMBERS OPERATING COMPANY FEDERAL GAS COM #2E

NW/4 SEC. 27, T-28-N, R-10-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO



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 ± 350 '.

245 sx of Class "B" cement 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 $\pm 6,925$ '.

515 sx of Lite-Crete cement (proprietary blend) containing $\frac{1}{4}$ 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, $\frac{1}{4}$ /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 1,575 ft³ (no excess).

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 30%. It will be attempted to circulate cement to the surface.

5. LOGGING PROGRAM:

- A. Mud Logger: The mud logger will come on at 3,500' and will remain on the hole until TD. The mud will be logged in 10' intervals.
- 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 5,000'.

