Form 3,60-3 (July 1992)	UNITE	ED STATES	SUBMIT IN TRIPLI (Other instruction reverse side	ons on	FORM APPI OMB NO. 1 Expires: Febru	004-0136
1/	DEPARTMENT	OF THE INTER	RIOR	1	LEASE DESIGNATION AT SF - 077382	ND SERIAL NO.
4 8 8 8	BUREAUOF	AMOUT TO DEAL	OF SEPTIME	6.	IF INDIAN, ALLOTTEE O	R TRIBE NAME
1a. TYPE OF WORK	LICATIO (LEOF)			7.	UNIT AGREEMENT NAV	1E
b. TYPE OF WELL	GAS X	DEPE	SINGLE X MULTIPL	E 8.	FARM OR LEASE NAME) 270 / , WELL NO.
OIL WELL 2. NAME OF OPERATOR	GAS X OTHER		ZONE ZONE		Federal "F"	#2E
Cross Timbers Or	ONE NO.				30 - 045	30356
4. LOCATION OF WELL (Re	Ave., Bldg. K. Ste 1 eport location clearly and in accor-	Farmington, MM dance with any State require	87401		FIELD AND POOL, OR V Basin Dakota	VILDCAT
At surface 1,060' FSL & C At proposed prod. zone			JAM Son,	i	. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
14. DISTANCE IN MILES AN	ND DIRECTION FROM NEAREST TOV	VN OR POST OFFICE*		12	Sec 4, T27N,	R10W
15. DISTANCE FROM PROP	T	16. NO.	OF ACRES IN LEASE	17. NO. OF ACR TO THIS WEI	1	NM
PROPERTY OR LEASE L (Also to nearest drig.) 18. DISTANCE FROM PROP TO NEAREST WELL, DR	OSED LOCATION*	ľ	DPOSED DEPTH	20. ROTARY OF		
OR APPLIED FOR, ON T 21. ELEVATIONS (Show w 6065' Ground Le	hether DF,RT, GR, etc.)	685	50'		' Rotary Tools 22. APPROX. DATE WOR Oct. 2000	
23.		PROPOSED CASING AND C	CEMENTING PROGRAM			
SIZE OF HOLE 12 - 1/4"	GRADE, SIZE OF CASING 8-5/8" J.55	WEIGHT PER FOOT 24 #/ft		+- 245 s	QUANTITY OF CEN	MENT
7-7/8"	4-1/2", J-55	10.5 #/ft	+-6850'	+- 780 s		(116-
144 138	nake to each own to troheke that researe purceout to s speed purseant to 43 OFF	ୟ		577 (579 () 682 ()	on the colored in Colored CHARC Colored Internation	THORIZED ARE
Cross Timbe Program.	rs plans to drill th	e above mentioned	well as described	in the en	closed Surface	Use
						•
		-			مر • •	
IN ABOVE SPACE DESC deepen directionally, give	RIBE PROPOSED PRCGRAM: e pertinent data on subsurface loc	If proposalis to deepen, giv ations and measured and tru	e dataon presentproductivezo: ne vertical depths. Give blowon	ne and proposed ut preventer pro	new productivezone. If gram, if any.	proposalis to drill or
24.	Makatter		.13		0/25/	00
SIGNED -	11661 0000	πile <u>D</u>	rilling Engineer			· · · · · · · · · · · · · · · · · · ·

SIGNED —	All of allows	Drilling Engineer	DATE	3/25/00
(This space for Federa	al or state office use)			-
PERMIT NO.	nes not warrant or certify that the applicant ho	APPROVAL DATE Ids legal or equitable title to those rights in the subject l	lease which would entitle the applicant	to conduct operations thereon.
CONDITIONS OF APP		NMOCD		1 7 2001
APPROVED BY —	/s/ Jim Lovato	TITLE See Instructions On Reverse Side	DATE	
Tide 19 H.C.C. Se		person knowinglyand willfullyto make to	any departmentor agency of	the UnitedStates any fals

Title 18 U.S.C. Section 1001, makes it a crime for any personknowinglyand willfullyto make to any department agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

PO Box 1980, Hobbs, NM 83241-1980

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

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

District IV PO Box 2058, Santa Fe. NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

Santa Fe. NM 87504-2088

OIL CONSERVATION DIVISION PO Box 2088

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

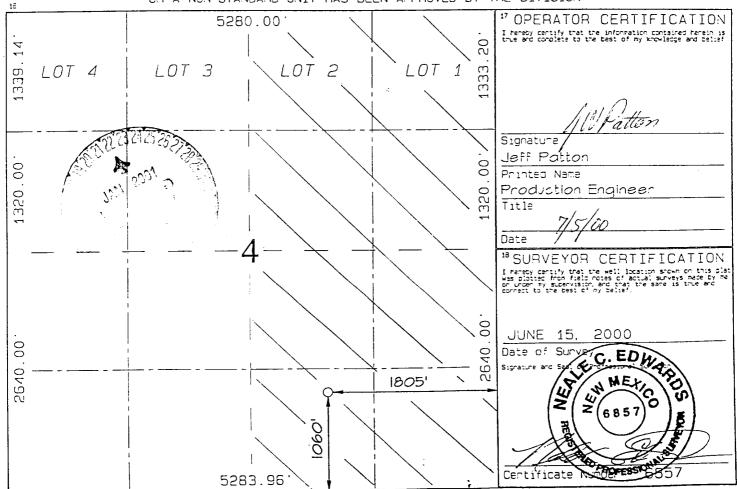
AMENDED REPORT

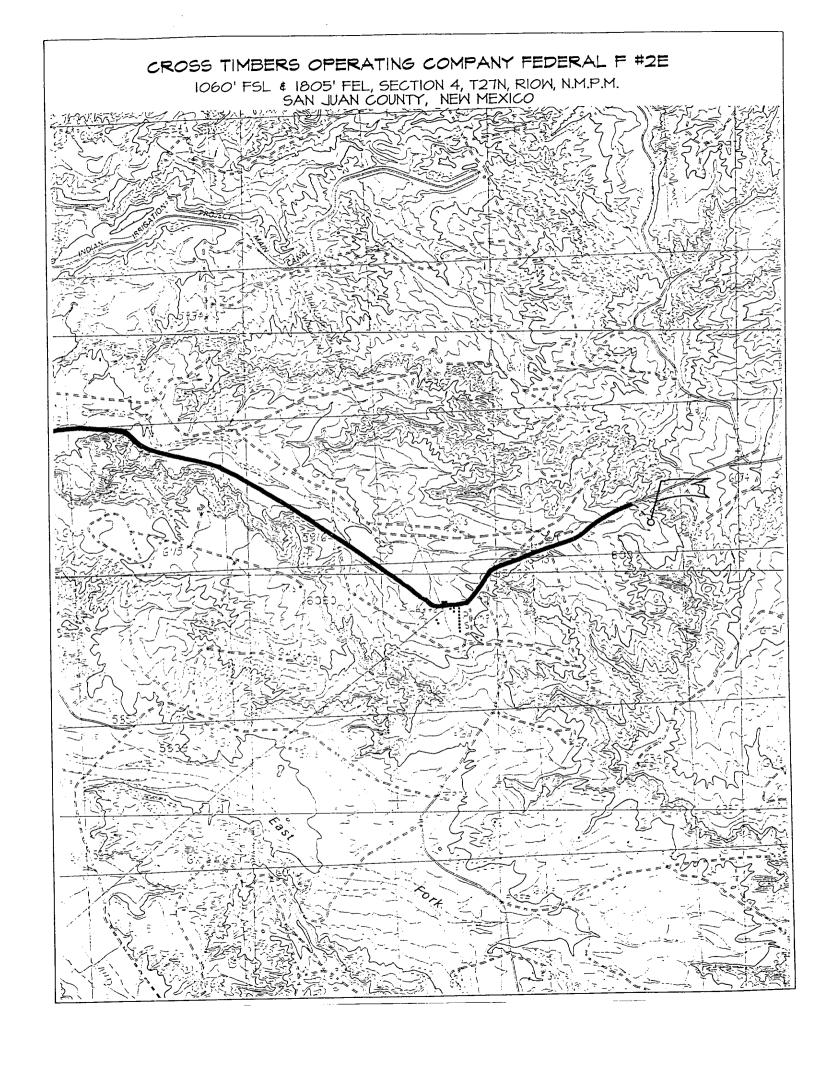
WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	*Pool Code	'Pool Name		
30-045-3035	71599	71599 BASIN DAKOTA		
Property Code	*Propert	*Wall Number		
22701	FEDER	2E		
'CGRID No.	*Operato	*Élevation		
167067	CROSS TIMBERS OF	6065		
	¹⁰ Surface	Location		

Township East/West line County Sect ion Fange Feet from the North/South line Feet from the UL on lot no. 4 27N 10W 1060 SOUTH 1805 EAST SAN JUAN 0 11 Bottom From Surface Different Hole Location North/South line Feet from the Township Fange Lot Ion East/West line County LL or lating. Section Feet from the Duging on Infill | 14 Consolidation Code 15 Order No. 12 Cedicated Aires 320.89

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





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

A. Surface: 8

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

<u>Lead:</u> 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 $\pm 7,025$ '. DV Tool set @ $\pm 4,500$ '.

1st Stage

<u>Lead:</u> 270 sx of Premium Lite HS (65% Type III, 355 poz & 6% gel), $\frac{1}{4}$ pps celloflake, $\frac{10}{5}$ CSE, 6.25#/sx gilsonite and 1.3% FL-52/CD-32 mixed at 12.3 ppg, 2.14 ft³/sk, 10.80 gal wtr/sx.

2nd Stage

<u>Lead:</u> 415 sx of Premium Lite HS (65% Type III, 355 poz & 6% gel), ½ pps celloflake, 10#/sx CSE, 6.25#/sx gilsonite and 1.3% FL-52/CD-32 mixed at 12.3 ppg, 2.14 ft³/sk, 10.80 gal wtr/sx.

Tail: 100 sx of Type III cement containing 2% CaCl2 & ¼ pps D-29 (celloflake) mixed at 14.6 ppg. 1.39 ft³/sk, 6.67 gal wtr/sx..

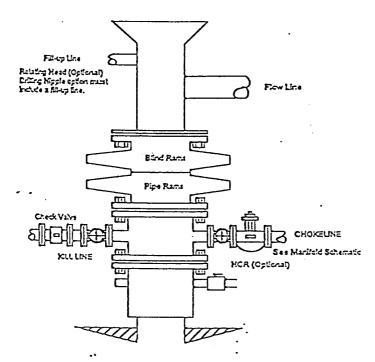
Total estimated slurry volume for the 4-1/2" production casing is 1,605 ft³ (no excess).

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined for the caliper logs plus 40%. It will be attempted to circ cement to the DV Tool and to the surface.

5. LOGGING PROGRAM:

- A. Mud Logger: There are no plans to use a mud logger at this time.
- 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'. Formation Micro Imager (FMI) will be run on most wells from TD to $\pm 6,000$ '.

BOPE SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 - NORMAL PRESSURE CROSS TIMBERS OPERATING COMPANY STANDARD



CHOKE MANIFOLD SCHEMATIC FOR DRILLING OPERATIONS 2M SERVICE CROSS TIMBERS OPERATING COMPANY STANDARD

