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

NMCKC3

	LEASE DESIGNATION AND SERIAL NO. SF - 079232 IF INDIAN, ALLOTTEE OR TRIBE NAME					
	ICATION FOR P	ERMIT TO I	DRILL	OR DEEPEN		
la. TYPE OF WORK DF b. 1YPE OF WELL	RILL X	DEEPEN				7. UNIT AGREEMENT NAME
OIL WELL	GAS X OTHER	 		SINGLE MULTI ZONE ZONE	PLE X	8. FARM OR LEASE NAME, WELL NO. BOlack "C" #
NAME OF OPERATOR POSS Timbers Operator	onating Company	TO Con.	1 611	, záľdů		John J.
ADDRESS AND TELEPHON	JE NO.	10 Este	199		•	9. API WELL NO.
	Ave., Bldg. K. Ste				02	10. FIELD AND POOL, OR WILDCAT
At surface	ort location clearly and in acc	ordance with any Sta	ite require	ements.*)		Blanco Mesaverde
2170' FNL & 167 At proposed prod. zone	70' FWL Sec 29,	T27N, R08W				Otero Chacra 11. SEC., T., R., M., OR BLK.
ame					- 1 J	AND SURVEY OR AREA Sec 29, T27N, R08W
	DIRECTION FROM NEAREST TO			7/1 m	, 039	12. COUNTY OR PARISH 13. STATE
Approx 24 air mi	les south down Larg	go Canyon fro				San Juan NM
LOCATION TO NEAREST		406' CIL	i	OF ACRES IN LEASE	17. NO. OF . TO THIS	ACRES ASSIGNED WELL
(Also to nearest drlg, un DISTANCE FROM PROPOS	SED LOCATION*	480 CH	_	O MV / 160 CH DPOSED DEPTH	20 POTARY	$\sqrt{2}$ 320 MV / 160 CH $\sqrt{2}$
TO NEAREST WELL, DRILL OR APPLIED FOR, ON THI	LING, COMPLETED,		i i	500'	1	,500' w/Rotary Tools
ELEVATIONS (Show who						22. APPROX. DATE WORK WILL START
.753' GL						Summer 2002
	·	PROPOSED CASIN	IG AND C	CEMENTING PROGRAM		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO	OT	SETTING DEPTH		OUANTITY OF CEMENT
12-1/4"	8-5/8", J-55	24#		320'	200 sx	Type III
7-7/8"	4-1/2", J-55	10.5#		5,500'		Premium Lite cement
action is subject to techr odural review pursuant to	cal and 43 OFR 3165.3	10.5#		5,500'	PRILLING OF SUBJECT TO	R Premium Lite cement PERATIONS AUTHORIZED ARE COMPLIANCE WITH ATTACHED REQUIREMENTS".
action is subject to technological review pursuant to accept the Action of the Action	cal and 430FR 3165.3 FR 3165.4 nc. plans to drill	the above me	ntione	ed well as describ	PRILLING OF SUBJECT TO "GENERAL R	PERATIONS AUTHORIZED ARE COMPLIANCE WITH ATTACHED REQUIREMENTS". e enclosed Surface Use
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DISTRICT | 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

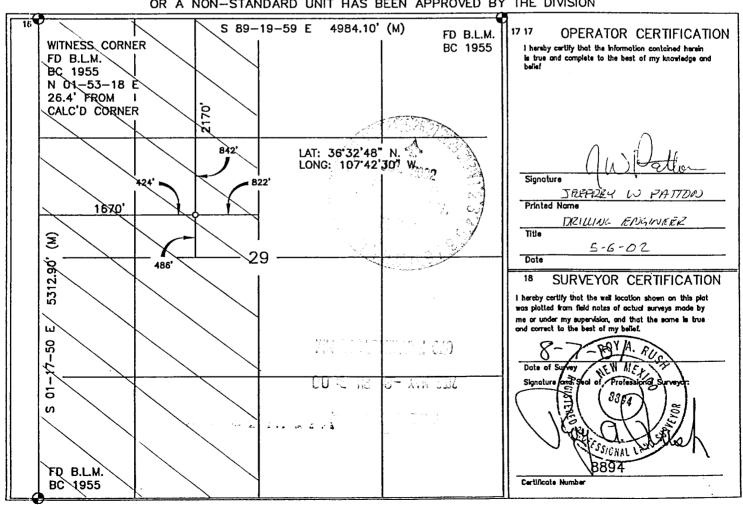
☐ AMENDED REPORT

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-04	Number 5 - 3	31154		*Pool Code 723	3 BLANCO MESAUERDE						
⁴ Property Coo	de				Property N	⁸ Property Name					
2809	76 I		•	13B							
OGRID No.					*Operator N	ame			⁸ Elevation		
167	167067 xto energy inc.										
	<u>.</u> !.				¹⁰ Surface	Location		1	•		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
F	29	27-N	8-W		2170'	NORTH	1670'	WEST	SAN JUAN		
			11 Botte	om Hole	Location I	f Different Fr	om Surface				
Ul. or lot no. Section Township Range Lot Idn					Feet from the	North/South line	Feet from the	East/West line	County		
² [)edicated Acres	11.7		13 Joint or in	្រ ជា	¹⁴ Consolidation Code ¹⁶ Order No.						
3 20	W	7		C							

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



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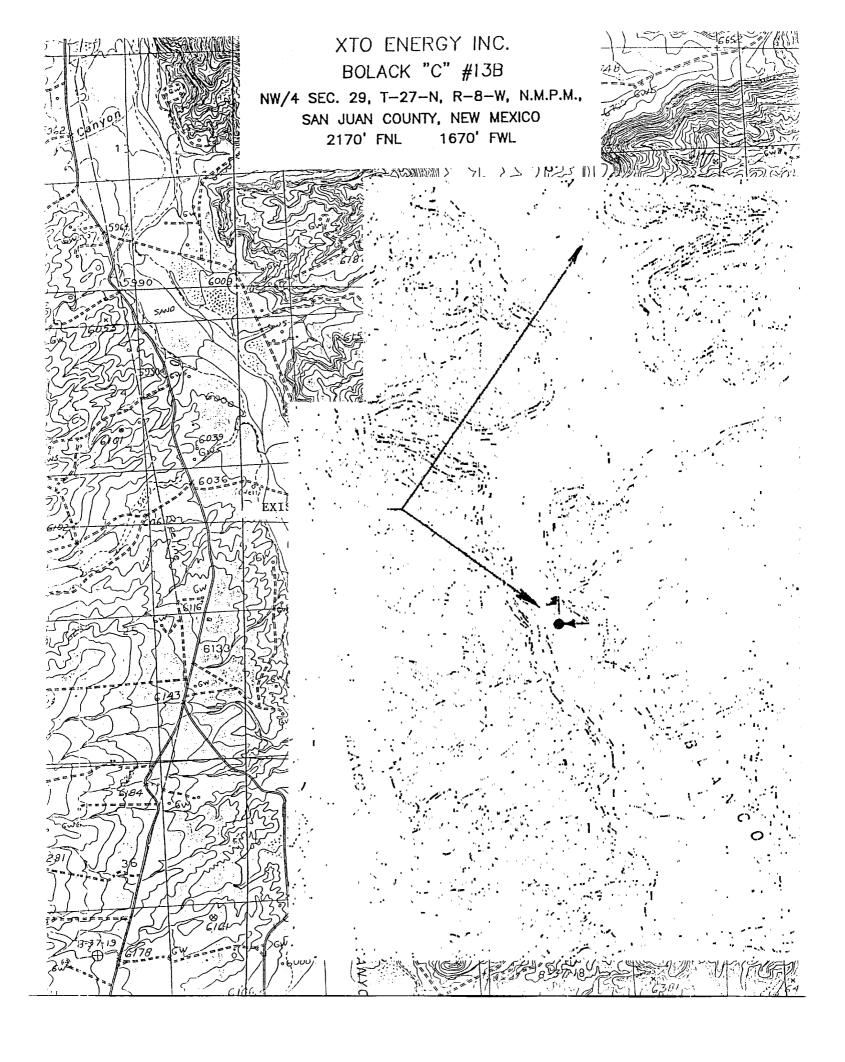
Certificate Number

T AMENDED REPORT

FD B.L.M.

BC 1955

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110 7122011		OR A	NON-ST	ANDARD	UNIT HAS B	EEN APPROVE	D BY THE D	IVISION			
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XTO ENERGY INC.

Bolack "C" #13B **APD Data** May 6, 2002

Location: 2170' FNL & 1670' FWL, Sec 29, T27N, R08W

County: San Juan

State: New Mexico

PROJECTED TOTAL DEPTH: ±5,500'

OBJECTIVE:

Mesaverde/Chacra

GR ELEV: 6,753'

Est KB ELEV: 6,765' (12' AGL)

MUD PROGRAM:

INTERVAL	0' to 270'	270' to 3,500'	3,500' to TD					
HOLE SIZE	12-1/4"	7-7/8"	7-7/8"					
MUD TYPE	FW/Spud Mud	FW/Polymer	LSND					
WEIGHT	8.6-9.0	8.4-8.8	8.6-9.0					
VISCOSITY	28-32	28-32	45-60					
WATER LOSS	NC	NC	8-10					

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pre-treat with 20% LCM @ 3,500'. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity (>85 sec) at TD for logging. Reduce viscosity after logging for cementing purposes.

CASING PROGRAM:

Surface Casing:

8-5/8" casing to be set at ± 320 ' in 8.8 ppg mud

					Coll	Burst						
					Rating	Rating	Jt Str	${ m I\!D}$	Drift	SF	SF	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
0'-320'	320'	24#	J-55	STC	1370	2950	244	8.097	7.972	7.32	7.95	29.39

Production Casing: 4-1/2" casing to be set at TD in 9.0 ppg mud.

					Coll	Burst						
1					Rating	Rating	Jt Str	ID	Drift	SF	SF	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
0'-TD	5,500'	10.5#	J-55	STC	4010	4790	132	4.052	3.875	1.66	1.33	2.44

WELLHEAD:

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 8-5/8" 8rnd thread on bottom and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 2,000 psig WP (4,000 psig test), 4-1/2" 8rnd female thread on bottom, 8-5/8" 8rnd thread on top.

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: 8-5/8", 24#, J-55, STC casing to be set at \pm 320'.

<u>Lead:</u> 200 sx of "Type III" cement containing 3% CaCl₂, ¼ pps celloflake, mixed at 14.5 ppg, 1.39 ft³/sk, & 6.50 gal wtr/sk.

Total slurry volume is 278 ft^3 , $\pm 100\%$ excess of calculated annular volume to 320.

B. <u>Production:</u> 4-1/2", 10.5#, J-55, STC casing to be set at $\pm 5,500$ '. **DV Tool to be set** @ $\pm 3,850$ '.

First Stage

<u>Lead:</u> 80 sx of Premium Lite FM (65/35/6) cement containing 2% KCl, ¼ pps celloflake, 2-4% Phenoseal mixed at 11.9 ppg, 2.39 ft³/sk, 15.60 gal wtr/sx.

<u>Tail:</u> 175 sx of Premiun Lite HS (65/35/6) cement containing 2% KCl, 7#/sx CSE, ¼ pps celloflake, 0.5% Fluid loss, 0.2% Dispersant mixed at 12.5 ppg, 2.01 ft³/sk, 10.71 gal wtr/sx..

Second Stage

<u>Lead:</u> 450 sx of Premium Lite FM (65/35/6) cement containing 2% KCl, ¼ pps celloflake, 2-4% Phenoseal mixed at 11.9 ppg, 2.39 ft³/sk, 15.60 gal wtr/sx.

<u>Tail:</u> 80 sx of Premiun Lite HS (65/35/6) cement containing 2% KCl, 7#/sx CSE, ½ pps celloflake, 0.5% Fluid loss, 0.2% Dispersant mixed at 12.5 ppg, 2.01 ft³/sk, 10.71 gal wtr/sx..

Total estimated slurry volume (including 40% excess) for the 4-1/2" production casing is 1,779 ft³.

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 surface on both stages.

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 Dual Induction/SFL/GR/SP fr/TD ($\pm 5,550$ ') to the bottom of the surface csg. Run CNL/LDT (Lithodensity)/GR/Cal and Pe from TD to 3,500'.

