Form 3160-3 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED DEC28'0E OMB NO. 1004-0137 CUNS. DIV. Expires March 31, 2007

5. Lease Serial No.

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Name of Operator Name of Operator Name of Operator No. Breeze, Tre. Address Joes by Multiple Zone No. N/A S. Lease Name and Well No. N/A S. Lease Name	APPLICATION FOR PERMIT TO DRILL	OR REENTER	US	A NM 09867-	A	
Type of Well Gill Well Gas Well Other Single Zone Multiple Zole Name of Operator Name Operator Name (Printed Typed)	Type of Work P DRILL REENTH	ER	6. If I	ndian, Allotee or	Tribe Name	
Name of Operator CDD Energy Inc. Address Z700 Farminorton New, Bickt, K. Ste 1 Farminorton, MM S2700 Farminorton Rev., Bickt, K. Ste 1 Farminorton, MM S30 FBL X 725; FML At surface 2380; FML X 725; FML At proposed prod. zone SBMS Distance from proposed* Distance from this kase, fit. At proposed prod. zone SBMS Distance from proposed* Distance from proposed* Distance from proposed* Distance from this kase, fit. At proposed prod. zone SBMS Distance from proposed* Distance from proposed* Distance from this kase, fit. At 55; 2395.24 Distance from this kase, fit. 455; Distance from this kase, fit. 456 VIIBO0138 UIBO0138 Distance from this kase, fit. 456 VIIBO0138 Distance from this kase, fit. 456 VIIBO0138 Distance from this kase, fit. 457 Attachments Distance from this kase, fit. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). Name (Printed Typed) Date Name (Printed Typed) Date Date Date Name (Printed Typed) Date Date Date Date Distance from provided on warrant or certify that the applicant holds legal or equitable title to those rights in the subject lesse which would entitle the application and confidence or proposed for any person knowlingly and willfully to make to any department or agency of the United Style of the United		ממינים	and N/	A 11'7		
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PD/ROIN This proce and

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

This action is subject to technical and procedure review cursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DIST. 3

1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

Form C-102 Revised October 12, 2005

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 88210

Submit to Appropriate District Office

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

State Lease — 4 Copies
Fee Lease — 3 Copies 1220 South St. Francis Dr. 3 67 25 67 5

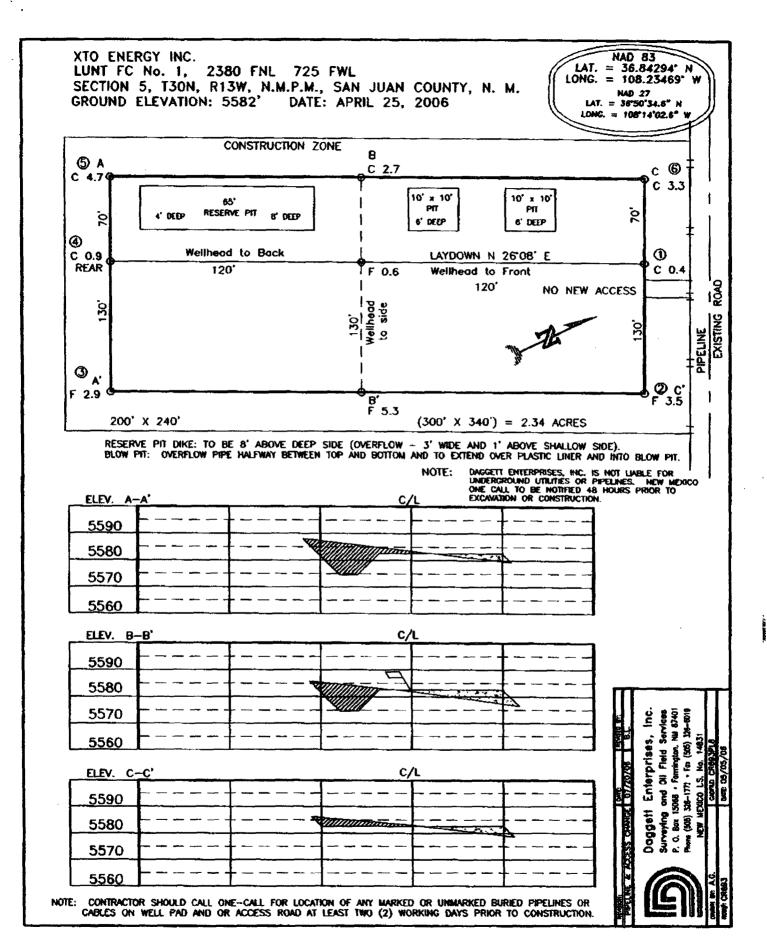
☐ AMENDED REPORT

REGINERA 1220 South St. Francis Dr., Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT ²Pool Code 30-045-34038 63C truitiant Property Code Property Name 60166 LUNT FC 1 OCEND No Operator Name Elevation 5380 XTO ENERGY INC. 5582 7067 ¹⁰ Surface Location UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 13-W **NORTH** Ε 30-N 2380 725 WEST SAN JUAN 5 ¹¹ Bottom Hole Location If Different From Surface North/South line UL or lot no. Section Township Lot idn Feet from the Feet from the East/West line County tal Dedicated Acres ¹³ Joint or Infill M Consolidation Code *Order No. 320.72 6141

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 FD. 3 1/4" BC. 1952 BLM FD. 3 1/4° BC. 1952 BLM N 89-34-36 E OPERATOR CERTIFICATION 2629,6' (M) I hereby cortify that the information contained herein is true and complete to the best of my knowledge and bellef, and that this organization either owns a wo interest or uniqueed mineral interest in the land including the proposed bottom hole location or has a right to drill this wall at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a computacry pooling agreement or a computacry pooling order heretofare entered by the LOT 4 LOT 1 **YQT** 3 LOT 2 3 € 00-44-. 2658.3' 2380 LAT: 36.84294" N. (NAD 83) LONG: 108.23469" W. (NAD 83) LAT: 36"50"34.6" N. (NAD 27) LONG: 108"14"02.6" W. (NAD 27) 725 FD. 3 1/4" BC. 1952 BLM SURVEYOR CERTIFICATION I hereby cartify that the well location shown on this plant was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. APRIL 25, 2006 POFESSIONA



Submit 3 Copies To Appropriate District Office	State of New Energy, Minerals and N				
District I 1625 N. French Dr., Hobbs, NM 87240	Energy, winiciais and iv	atura Resources	WELL ADI NO	کے	
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVAT	ION DIVISION	043.240.3	হ্ম	
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St.				
District IV	Santa Fe, NN	WI 8/3U3	6. State Oil & Gas Lease No.	_	
1220 S. St. Francis Dr., Santa Fe, NM 87505			USA NM 09867-A	_	
SUNDRY NOTICE (DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLICA" PROPOSALS.)		EN OR PLUG BACK TO A	IMI FC		
1. Type of Well: Oil Well Gas Well	Other		8. Well Number #1		
2. Name of Operator			9. OGRID Number		
3. Address of Operator			167067	\dashv	
2700 Farmington Ave., Bldg.	K. Ste 1 Farmington	, NM 87401	BASIN FRUITIAND COAL	ate Type of Lease TATE	
4. Well Location					
Unit Letter <u>E</u> : 2	2380 feet from the	NORTH line and _	725 feet from the WEST li	ine	
Section 5	Township 30N	Range 13W		Ŋ	
	11. Elevation (Show wheth	her DR, RKB, RT, GR. ERCUND ELEVATION	, etc.)		
Pit or Below-grade Tank Application 🛛			The state of the s	20025.00	
			Distance from nearest surface water > 500		
Pit Liner Thickness: 12 mil	Below-Grade Tank: Voh	ame 3000 bbls; Constru	action Material		
12. Check Ap NOTICE OF INTE	• •	SU	ce, Report, or Other Data JBSEQUENT REPORT OF: K		
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRI			
PULL OR ALTER CASING	MULTIPLE	CASING TEST A	ABANDONMENT	لـــا	
TO SECONDICTION OF THE SECOND	COMPLETION	CEMENT JOB			
OTHER: PIT	X	OTHER:			
			give pertinent dates, including estimated date ach wellbore diagram of proposed completion		
XTO Energy intends to inst	tall a lined pit on lo	cation for drillin	g.		
			dge and belief. I further certify that any pit or below		
SIGNATURE Kyla Vau	ohan				
$\mathcal{O}_{\mathcal{I}}$	0		kyla vanghan@xtoenergy.com		
Type or print name Ryla Vaughan	A .		Telephone No. 505-564-672	26	
For State Use Only	th	DEPUTY OIL & C	GAS INSPECTOR, DIST. FATDEC 28 2006		
APPROVED BY Conditions of Approval, if any:	-				
		E	XHIBIT D		





XTO ENERGY INC.

Lunt FC #1 APD Data October 24, 2006

Location: 2380' FNL x 725' FWL Sec 5, T30N, R13W County: San Juan State: New Mexico

GREATEST PROJECTED TD: 1668'

OBJECTIVE: Basin Fruitland Coal

APPROX GR ELEV: 5582'

Est KB ELEV: 5588' (12' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 225'	225' to 1668'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	FW/Polymer
WEIGHT	8.6-9.0	8.4-8.8
VISCOSITY	28-32	28-32
WATER LOSS	NC	NC

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes.

2. CASING PROGRAM:

Surface Casing: 8.625" casing to be set at \pm 225' in a 12-1/4" hole filled with 9.20 ppg mud

					Coll Rating	Burst Rating	Jt Str	ID	Drift	SF	SF	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
0'-225'	225'	24.0#	J-55	ST&C	1370	2950	244	8.097	7.972	12.73	27.41	45.19

Production Casing: 5.5" casing to be set at TD (±1668') in 7-7/8" hole filled with 9.20 ppg mud.

					Coll Rating	Burst Rating	Jt Str	ID	Drift	SF	SF	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coli	Burst	Ten
0'-1668	1668'	15.5#	J-55	ST&C	4040	4810	202	4.950	4.825	5.06	6.03	7.81

3. 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), 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

EXHIBIT G

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:

8.625", 24.0#, J-55, ST&C casing to be set at \pm 225' in 12-1/4" hole.

134 sx of Type III cement (or equivalent) typically containing accelerator and LCM, mixed at 14.5 ppg, 1.39 ft³/sk, & 6.70 gal wtr/sk.

Total slurry volume is 186 ft³, 100% excess of calculated annular volume to 225'.

B. Production:

5.5", 15.5#, J-55 (or K-55), ST&C casing to be set at ± 1668 ' in 7.875" hole.

LEAD:

±125 sx of Premium Lite HS (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 12.5 ppg, 2.01 ft³/sk, 10.55 gal wtr/sx.

TAIL:

100 sx Type III or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

Total estimated slurry volume for the 5-1/2" production casing is 411 ft³.

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

5. **LOGGING PROGRAM:**

A. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (1668') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (1668') to 225'.

6. FORMATION TOPS:

Est. KB Elevation: 5588'

-	Sub-Sea	WELL
FORMATION	Elev.	<u>DEPTH</u>
Fruitland Formation*	4420	1,168
Lower Fruitland Coal*	4320	1,268
Pictured Cliffs SS	4120	1,468
Lewis Shale	4000	1,588
Total Depth	3920	1,668

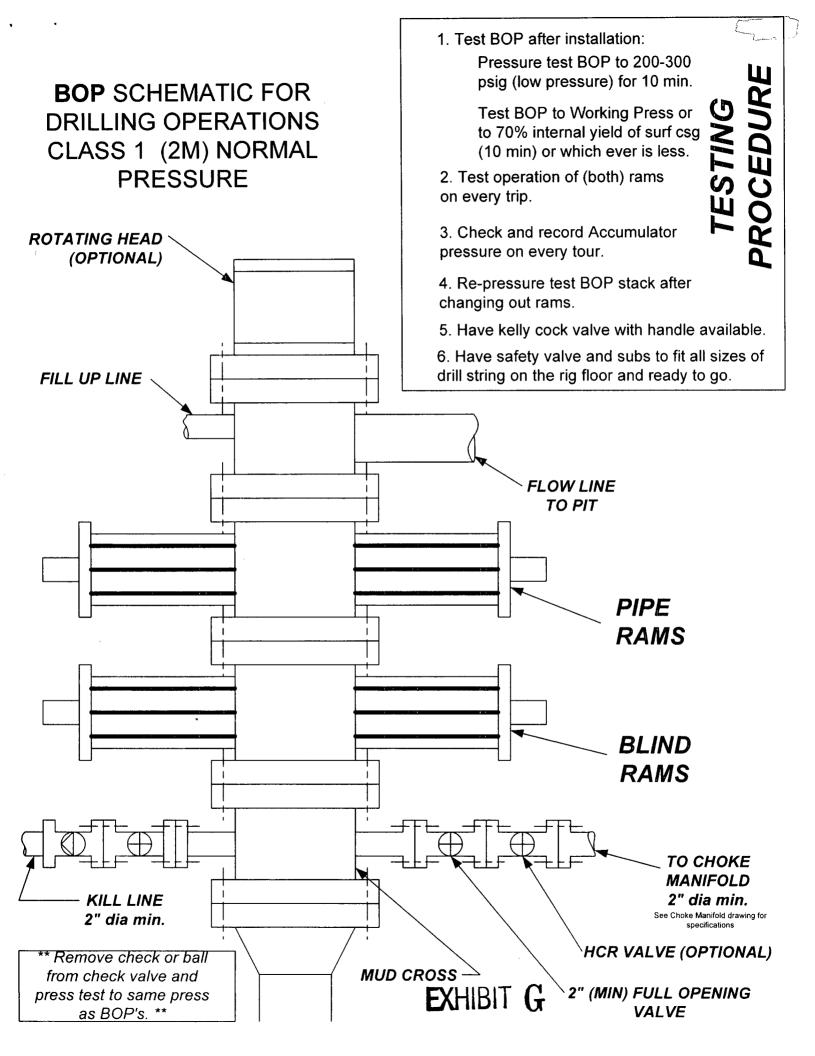
7. **COMPANY PERSONNEL**:

Name	Title	Office Phone	Home Phone
John Egelston	Drilling Engineer	505-564-6734	505-330-6902
Jerry Lacy	Drilling Superintendent	505-566-7917	505-320-6543
Reed Meek	Project Geologist	817-885-2800	

JWE 10/24/06

^{*} Primary Objective ** Secondary Objective

^{****} Maximum anticipated BHP should be <2,000 psig (<0.30 psi/ft) *****



CHOKE MANIFOLD SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

- 1. Stake all lines from choke manifold to pit.
- 2. Pressure test choke manifold after installation.
- 3. Pressure test manifold at the same time with the BOP Stack. Test manifold to the same test pressures.

TESTING PROCEDURE

