Form 3160-3 (September 2001)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0136 Expires January 31, 2004

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	3,		~ G V	NI.				
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30. Phone No. (gested area code) 2700 Familianton Ave., Bloki, K. Ste 1 Familianton, NM 4. Location of Well (Report location clearly and in accordance with any State experience). At surface 1470: FSL x 670: FSL in Sec 35, T28N, R18 At proposed prod. zone 14. Distance in miles and direction from nearest town or post office* 15. Distance from proposed* location to nearest property or lease line, if any) 15. Distance from proposed location* 1670: (Also to nearest drg. unit line, if any) 18. Distance from proposed location* to nearest edg. unit line, if any) 19. Proposed Depth 20. BLM/BIA Bond No. on file 2.025: 21. Elevations (Show whether DF, KDB, RT, GL, etc. 5, 888: Ungraded Ground Level. 22. Approximate date work will start* 23. Estimated duration 24. Attachments 24. Attachments 25. Signuature Winter 2004 26. Bond to cover the operations unless covered by an existing bond on file (see lear 20 above). 36. Operator certification. 37. Signual plan 38. Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). 27. Approved by (Signuature) Name (Printed/Typed) Date JAN 16. 20 Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the spilcant to conditions of praudulent statements or representations as to any matter within its jurisdiction.	2. Name of Operator		8. Lease Name	and Well No.				
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*(Instructions on Reverse) Yells action is subject to technical and provedural reversional to 42 OFF 3155 a	*(Instructions on Reverse)							

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". procedural review consumit to 43 OFR 3165.3 and appeal purposed to 43 OFR 3165.3

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

State of New Mexico Energy, Minerals & Natural Resources Department

Form 0-102 Revised August 15, 2000

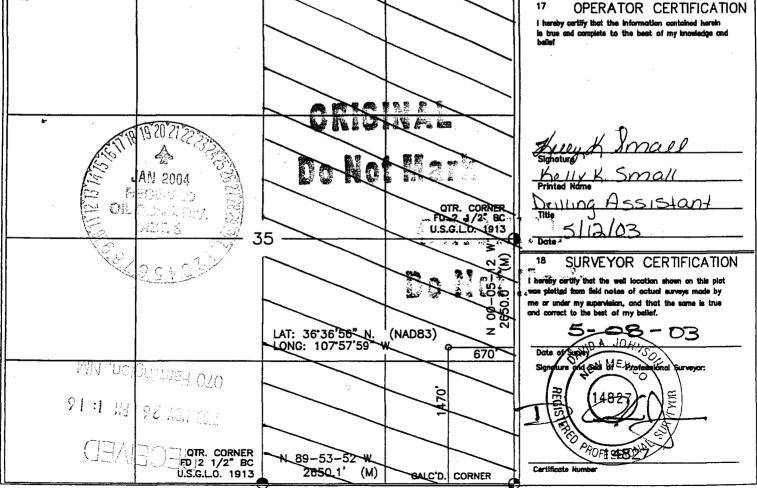
DISTRICT II 811 South First, Artesia, N.M. 88210

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 2040 South Pacheco, Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT ²Pool Code Well Number ⁶Property Name E. H. PIPKIN 37 *Operator Name • Elevation XTO ENERGY INC. 5888 (270/01 ¹⁰ Surface Location East/West line UL or lot no. North/South line Section Township Feet from the Feet from the Range Lot Idn County 1470 SOUTH 670 **EAST** SAN JUAN 1 35 28-N 11-W ¹¹ Bottom Hole Location If Different From Surface North/South line Feet from the East/West line UL or lot no. Section Township Lot Idn Feet from the County Range 3 Joint or Infill 14 Consolidation Code 15 Order No. Dedicated Acres 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 16 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and



XTO ENERGY INC.

DRILLING PROCEDURE

EH Pipkin #37 **Basin Fruitland Coal** November 26, 2003

Location: 1,470' FSL & 670' FEL, Sec 35, T28N, R11W County: San Juan State: New Mexico

OBJECTIVE: Fruitland Coal GR ELEV: 5,888' PROJECTED TOTAL DEPTH: 2.025'

1. **MUD PROGRAM:**

INTERVAL	0'-200'	200'-TD
HOLE SIZE	8-3/4"	6-1/4"
MUD TYPE	FW/Native	FW/Polymer
MUD WEIGHT, ppg	8.6-9.0	8.6-9.1
VISCOSITY, sec/qt	28-32	28-33
WATER LOSS, cc	NC	NC

Remarks: Drill the surface hole with fresh water. Run and cement 7" surface casing, circulating cement to surface. NU and test BOP equipment, then drill out with fresh water. Use polymer sweeps as needed for hole cleaning. At TD, sweep the hole prior to TOH to log.

2. **CASING PROGRAM:**

Surface Casing: 7" casing to be set at \pm 200' in 8.8 ppg mud.

					Coll	Burst						
1		Wt			Rating	Rating	Jt Str	ID	DD	SF	SF	SF
Interval	Length	(ppf)	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Tension
0'-200'	200'	20#	J-55	STC	2,270	3,740	234	6.456	6.331	9.99	4.59	58.5

Optimum makeup torque for 7" 20#, J-55, STC casing is 2,340 ft-lbs (Min - 1,760 ft-lbs, Max - 2,930 ft-lbs).

4-1/2" casing to be set at \pm 2,025' in 8.8 ppg mud. Production Casing:

					Coll	Burst						
		Wt		·	Rating	Rating	Jt Str	ID	DD	SF	SF	SF
Interval	Length	(ppf)	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Tension
0'-TD	2,025'	10.5#	J-55	STC	4,010	4,790	132	4.052	3.927	3.57	3.33	5.24

Optimum makeup torque for 4-1/2", 10.5#, J-55, casing is 1,320 ft-lbs (Min - 990 ft-lbs, Max - 1,650 ft-lbs).

Capacity of 7", 20# casing is: 0.04048 bbl/ft Capacity of 4-1/2", 10.5# casing is: 0.01595 bbl/ft

3. **WELLHEAD:**

Casinghead: Larkin Fig 92 (or equivalent) 2,000 psig WP (4,000 psig test) with 7", 8rd pin on

bottom and 8-5/8" API Modified 8rd thread on top.

Tubinghead: Larkin Model 612 (or equivalent) 2,000 psig WP (4,000 psig test) with 4-1/2", 8rd

bottom thread and 8-5/8" 8rd API Modified top body thread, 4.090" minimum bore.

4. **CEMENT PROGRAM:**

A. Surface: 7", 20#, J-55, STC casing at \pm 200'.

Lead: 75 sx Type III cement (or equivelent) containing ¼ pps celloflake, 2% CaCl₂ (mixed at 14.6 ppg, 1.39 ft³/sk, 6.67 gal wtr/sk).

Total slurry volume is 104.25 ft³, 250% excess of calculated annular volume required to circulate cement to surface.

B. Production: 4-1/2", 10.5#, J-55, STC casing at $\pm 2,025$ '.

<u>Lead:</u> 125* sx of Type III cement containing 8% gel, 1/4 pps Celloflake & 2% Phenoseal (mixed at 11.4 ppg, 3.03 ft³/sk, 18.51 gal wtr/sk).

Tail: 75 sx Type III cement containing 1% CaCl2, 1/4 pps Celloflake & 2% Phenoseal (mixed at 14.5 ppg, 1.41 ft3/sk, 6.72 gal wtr/sx).

Total estimated slurry volume is 477 ft³, ±100% excess of calculated annular volume required to circulate cement to surface.

* Actual cement volumes will be determined using log caliper volume plus 40% excess.

5. DRILLING HAZARDS:

- H₂S or other Poisonous Gases: No formations known to contain H₂S or any other poisonous gases will be penetrated with this wellbore.
- Abnormal Pressures: No overpressured zones are known to exist or are anticipated to be encountered during the drilling of this well.
- Lost Circulation: Seepage and/or lost circulation may be encountered below surface casing and can be controlled with conventional lost circulation materials added to the mud system.

6. **LOGGING PROGRAM:**

Array Induction/DFL/GR/SP/Cal DSN/Spectral Density/GR/Cal/Pe

TD to bottom of surf csg. TD to bottom of surf csg.



BOP SCEMATIC FOR DRILLING OPERATIONS **PRESSURE**

CLASS 1 (2M) NORMAL **ROTATING HEAD**

OR STRIPPING

1. Test BOP after installation:

Pressure test BOP to 200-300 psig (low pressure) for 5 min.

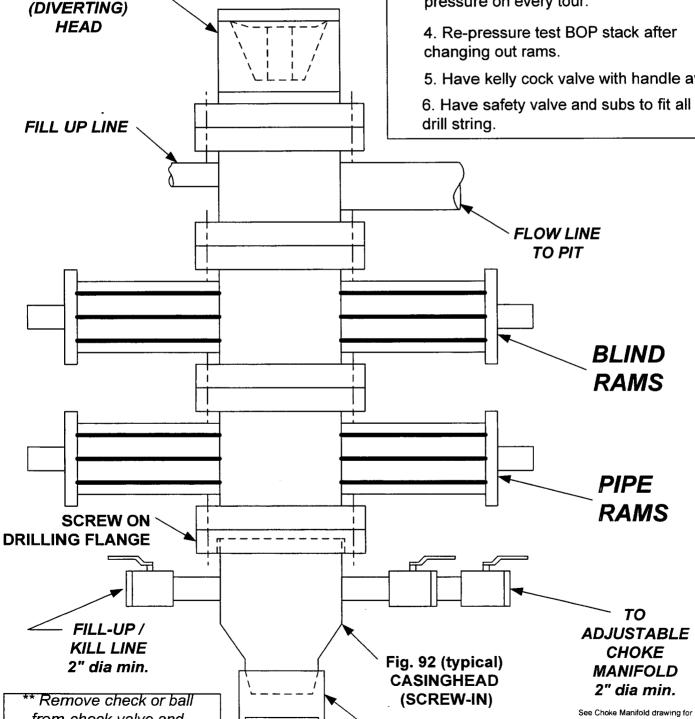
Test BOP to Working Press or to 70% internal yield of surf csg (10 min).

2. Test operation of (both) rams on every trip.

3. Check and record Accumulator pressure on every tour.

5. Have kelly cock valve with handle available.

6. Have safety valve and subs to fit all sizes of



from check valve and press test to same press as BOP's. **

CASING COLLAR (LOOKING UP)

specifications

EXHIBIT F