Form 3160-5 (August 200%)

UNITED STATES DEPARTMENT OF THE INTERIOR

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BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

5. Lease Serial No

NMM-	035	921	2

SUNDRY NOTICES Do not use this form for pabandoned well. Use Form	NMM-03592 6. If Indian, Al	12 lottee or Tribe Name			
SUBMIT IN TRIPLICAT	E - Other instruction	ons Rigg EIV	/ED	7 If Unit or Ca	A/Agreement, Name and/or No.
Type of Well Oil Well X Gas Well Other		FEB 2 6 2	.008	8. Well Name a	and No
Oil Well X Gas Well Other Name of Operator		Bureau of Land Ma	nagement	HENDERSON	
XTO Energy Inc.		Farmington Field		9 API Well No).
3a. Address 382 CR 3100 Aztec, NM 87410		3b. Phone No (<i>mclude a</i> 505–333–3100	rea code)	30-045-325	
4. Location of Well (Footage, Sec., T., R., M., or Survey L	Description), .	7 303-333-3100		f .	Pool, or Exploratory Area TLAND COAL/
SHL: 963' FNL & 1 012 ' FWL Sec 5D-	I26N-R11W				PICTURED CLIFFS
BHL: 1900' FNL & 700' FEL Sec 5D-	I26N-R11W			11 County or SAN JUAN	
12. CHECK APPROPRIATE	BOX(EŠTTOTNI	DICATE NATURE OF	NOTICE, REPO		ER DATA
TYPE OF SUBMISSION	1		PE OF ACTION		
THE CASCONISSION			TT. OF MOTION		
X Notice of Intent	Acidize	Deepen	Production	i (Start/Resume)	Water Shut-Off
Subsequent Report	Alter Casing	Fracture Treat	Reclamati	on	Well Integrity
	Casing Repair	New Construction	Recomple		Other
Final Abandonment Notice	Change Plans // 7		<u> </u>	ly Abandon	
	Convert to Injection	on Plug Back	Water Dis	posal	
Attach the Bond under which the work will be per following completion of the involved operations. I testing has been completed. Final Abandonment N determined that the final site is ready for final inspective. XTO Energy Inc. proposes to change	f the operation results in the state of the	in a multiple completion or a silv after all requirements, in	recompletion in a soluding reclamation	new interval, a Fe on, have been co	orm 3160-4 shall be filed once
	* n.			RCVD) FEB 29 '08
	<u>'</u> ,1			OIL	CONS. DIV.
	· OS REPRE				DIST. 3
CONDITIONS OF APPROVA Adhere to previously issued stipulation					
	: 9 **	1, 9			
14 I hereby certify that the foregoing is true and correct Name (Printed/Typedi)					
HOALLY C. PERKINS		Title REGUL	ATORY COMPLI	ANCE TECH	
Signature Duly C. Terkus	CDACE CON ÉCO	Date 2/22/20			
	SPACE FUR FEL	DERAL OR STATE OF	TICE USE	Da	ate
Approved by Troy Conditions of approval, if any, are attached. Approval of this notified applicant holds legal or equitable title to those rights in the sub-		Petroleum Office	Engineer	\$	2.78-3008
entitle the applicant to conduct operations thereon	,	FFO			

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false,

ficutious or fraudulent statements or representations as to any matter within its jurisdiction.

XTO ENERGY INC.

Henderson 5-3 APD Data February 22, 2008

Location: 965' FNL & 1010' FWL, Sec. 5, T26N, R11W County: San Juan State: New Mexico

Bottomhole Location: 1900' FNL & 700' FEL Sec 5 T26N, R11W

GREATEST PROJECTED TVD: 1605° GREATEST PROJECTED MD: 5019°✓

APPROX GR ELEV: <u>6179'</u> Est KB ELEV: <u>6191'</u> (12' AGL)

OBJECTIVE: _Fruitland Coal

1. MUD PROGRAM:

INTERVAL	0' to 225'	225' to 1865'	1865' to TD
HOLE SIZE	12.25"	8.75"	6.125"
MUD TYPE	FW/Spud Mud	FW/Polymer	Air/Mist
WEIGHT	8.6-9.0	8.4-8.8	NA
VISCOSITY	28-32	28-32	NA
WATER LOSS	NC	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. Use Fruitland Coal produced water as make-up water for mist fluid. Pump enough fluid to dampen vibration at directional BHA. If directional control is not maintainable in air/mist environment convert to polymer mud.

2. CASING PROGRAM:

Surface Casing: 9.625" casing to be set at \pm 225' in a 12-1/4" hole filled with 9.20 ppg mud

					Coll	Burst				-		
					Rating	Rating	Jt Str	ID	Drift	SF	SF	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll ¹	Burst ²	Ten ³
0'-225'	225'	36.0#	J-55	ST&C	2020	3520	394	8.921	8.765	18.76	32.7	48.6

Intermediate Casing: 7" casing to be set at $\pm 1865'$ MD, 1605' TVD in 8.75" hole filled with 9.20 ppg mud.

					Coll	Burst						
					Rating	Rating	Jt Str	ID	Drift	SF	SF .	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll ¹	Burst ²	Ten ³
0'-1865'	1865	23.0#	J-55	ST&C	3270	4360	284	6.366	6.241	4.08	5.43	7.36

Production Casing: 4.5" casing to be set at ±5019' MD, 1605' TVD in 6.125" hole filled with 8.4 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll ¹	SF Burst ²	SF Ten ³
1800'-					37.65	*! i . '						
5019	3219	10.5	J-55	ST&C	4010	4790	132	4.052	3.927	6.57	7.85	4.01

¹Collapse SF is based on evacuated annulus and hydrostatic at TVD.

²Burst SF is based on evacuated casing and hydrostatic at TVD.

³Tensile SF is based on hanging air weight of casing in a vertical hole at measured depth.

3. WELLHEAD:

- A. Casing Head: WHI QDF System (or equivalent), 9-5/8" x 7", 3,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread ST&C pin end on bottom and 4-1/2" slips on top.
- B. Tubing Head: WHI W2F (or equivalent), 7.063" nominal, 5,000 psig WP (5,000 psig test), 5-1/2" slip-on or weld-on.

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: 9.625", 36.0#, J-55, ST&C casing to be set at \pm 225' in 12-1/4" hole.

140 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 177 ft, 100% excess of calculated annular volume to 225'.

B. Production Casing: 7", 23#/ft, J-55, ST&C casing to be set at ± 1865 MD, 1605' TVD in 8.75" hole.

LEAD:

 \pm 105 sx of Premium Lite FM or CBM Lite typically containing accelerator, LCM, dispersant, and fluid loss additives at 12.1 ppg, 2.22 ft³/sk, & 12.04 gal wtr/sk.

TAIL:

 \pm 100 sx of Type III or V cement typically containing accelerator. LCM, dispersant, and fluid loss additives at 14.2 ppg, 1.48 ft³/sk, & 7.34 gal wtr/sk.

Total estimated slurry volume for the 7" production casing is 383 ft³.

C. <u>Production Liner:</u> 4.5", \(\hat{10.5\fmu}\) fft, J-55, ST&C casing is to be set at 5019' MD, 1605' TVD in 6.125" hole.

The production liner will be set using an uncemented liner hanger. The liner may be tied back to surface during the completion of the well. ✓

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

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5. LOGGING PROGRAM:

- A. Mud Logger: A geologic consultant or unmanned mud logging unit will begin logging the well once the surface shoe is drilled out and remain on the well to TD.
- B. Open Hole Logs as follows: Gamma Ray from Surface shoe to TD.

6. FORMATION TOPS:

Please see directional plan for anticipated formation tops.

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

7. <u>COMPANY PERSONNEL:</u>

Name	Title	Office Phone	Home Phone
John Egelston	Drilling Engineer	505.333.3163	505.330.6902
Jerry Lacy	Drilling Superintendent	505.333.3100	505.320.6543
John Klutsch	Project Geologist	817.885.2781	

JWE 2/22/08

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