# OCD-ARTESIA

Form 3160-5 (April 2004)

# UNITED STATES DEPARTMENT OF THE INTERIOR

Form 3160-5 (April 2004)	UNITED STATE DEPARTMENT OF THE		FORM APPROVED OM B No 1004-0137 Expires March 31, 2007		
BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS				5 Lease Senal No NM-17589/NM-0556857/NM-00556863	
Do not use	this form for proposals to well. Use Form 3160-3 (	to drill or to re-	enter an	6 If Indian, Allottee or Tribe Name	
SUBMIT IN TRIPLICATE- Other instructions on reverse side.				7 If Unit or CA/Agreement, Name and/or No	
1 Type of Well ☐ ☐ Gas Well ☐ ☐ Other				8 Well Name and No	
2 Name of Operator XTO Energy Inc. 167067				Nash Unit 50H  9 API Well No	_
3a Address 200 N. Loraine, Ste. 800, Mic	14.46	3b Phone No (include 432-620-6749	e area code)	30_0/5 - 38991  10 Field and Pool, or Exploratory Area	
4 Location of Well (Footage, Sec., T, R, M, or Survey Description)				Nash Draw, Brushy Canyon	
Surface: 1980'FSL & 200' FEL, Sec. 13, T23S, R29-E, UL:1 Prod. Zone: 1980' FSL & 340' FEL, Sec. 18, T23-S, R30-E, UL:1				11 County or Parish, State  Eddy Co., New Mexico	
12. CHECK	APPROPRIATE BOX(ES) TO	INDICATE NATUR	RE OF NOTICE, F	REPORT, OR OTHER DATA	
TYPE OF SUBMISSION TYPE OF ACTION					
Notice of Intent	Acidize Alter Casing Casing Repair	Deepen Fracture Treat	Production (St	tart/Resume)	
Subsequent Report	Change Plans	New Construction Plug and Abandon	Recomplete Temporarily A		_
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposal		
If the proposal is to deepen d Attach the Bond under which following completion of the i	irectionally or recomplete horizontall in the work will be performed or provinted operations. If the operation Final Abandonment Notices shall be	ly, give subsurface location and the Bond No on file was results in a multiple comp	ns and measured and tra with BLM/BIA Requir pletion or recompletion	any proposed work and approximate duration thereofore vertical depths of all pertinent markers and zones red subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once nation, have been completed, and the operator has	
The purposeof the Sund Ingram.	ry is to complete the 7" casing c	ement procedure and	comply with the BL	M verbal instructions per Ted Morgan, Wesle	èу
After setting 7" casing sl	lips and testing the BOPs, 3 cem	ent squeezes will be pe	erformed.		
Squeeze #1 at 3920'- 4' w HalCem 'C' +2%CaCl+.	vith 6 JSPF will be perforated- a .1% Econolite mixed at 14.4 ppg	packer with 3 1/2" Di 1, 1.37 cu ft./sx. 24 hr	P will be run to appr Compr Strength- 196	rox. 3770'- Halliburton will cement with 150 s 00 psi.	X
Squeeze #2 at 3260'- sam	ne procedure as above with pack	er set at 3110'- Hallib	urton to cement with	h same slurry above.	
will cement with 250 sx I	be perforated 4' with 6 JSPF an EconoCem HLC +5% Salt. 12.8 t/sx. 24 hr Compr Strength-190	3 ppg, 1.92 cu ft./sx, 24	0'- this squeeze will hr Compr Strength-	be to circulate cement to surface-Halliburton	n 6
				FEB <b>0 8</b> 2012	
14 Thereby certify that the foregoing is true and correct Name (Printed/Typed)				NMOCD ARTESIA	=
Chin Amrock	7		enior Drilling Engine	"ACCEPTED FOR RECOR	Đ
Signature Chip (	lmock		14/11/2	01/27/2012	_
THIS SPACE FOR FEDERAL OR STATE OFFICE USE FEB 6 2012  PETROLEUM ENGINEER					
Approved by		<del>-</del> L <sup>L</sup>	ENGINEE	R Dave Morgan	
certify that the applicant holds leg	e attached Approval of this notice of gal or equitable title to those rights in to conduct operations thereon	n the subject lease 😘 🔿	ffice Militarian St.	BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE	
. winon would cititle the applicant	to conduct operations dicreon	· · · · · · · · · · · · · · · · · · ·	a de la mara de la compansa de la c	the second of th	

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly 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

# Nash Unit 1H XTO Energy Inc 30-015-38991 Feb 6, 2012

## Acceptance Recommendations

### Sundry Requests:

Drilling Engineer has submitted the required subsequent Notice of Intent for the following:

Operator had previously contacted BLM after problems with the 3 stage primary cement job on the 7" casing and BLM required CBL evaluation to confirm remedial requirements.

#### LOG RESULTS:

Intervals: 3500' - 5470' little to no cement

2650' - 3220' partially cemented

0' - 2650/ no cement

Procedure proposed by XTO and approved by telephone was:

Squeeze #1 at 3920'- 4' with 6 JSPF will be perforated- a packer with 3 1/2" DP will be run to approx. 3770'- Halliburton will cement with 150 sx HalCem 'C' +2%CaCl+.1% Econolite mixed at 14.4 ppg, 1.37 cu ft./sx. 24 hr Compressive Strength- 1900 psi.

Squeeze #2 at 3260'- same procedure as above with packer set at 3110'- Halliburton to cement with same slurry above.

Squeeze #3 at 2470' will be perforated 4' with 6 JSPF and the packer set at 2320'- this squeeze will be to circulate cement to surface- Halliburton will cement with 250 sx EconoCem l-[LC +5% Salt. 12.8 ppg, 1.92 cu ft./sx, 24 hr Compressive Strength- 750 psi followed by 100 sx HalCem "C" +2% CaCl, 14.8 ppg, 1.33 cu ft/sx. 24 hr Compressive Strength-1900 psi.

XTO received oral approval on 1/25/2012.

#### Requirements for future instances similar to this one:

Should significant losses occur during any of the planned squeezes, the Operator will contact the BLM before proceeding with the succeeding squeeze.

Should losses occur while circulating the cement into the annulus, or returns not be sufficient to provide for cement over the designed intervals, then a CBL shall be run at some time prior to running the next string of casing.

The results of all evaluation logs run shall be provided to the BLM in electronic format.

A report of the remedial work actually done will be included in the subsequent operations report.

TMM 02/06/2012