

Submit 1 Copy To Appropriate District Office  
 District I – (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II – (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III – (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV – (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised August 1, 2011

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO. 30-045-35372
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. FEE
7. Lease Name or Unit Agreement Name SULLIVAN A
8. Well Number 1F
9. OGRID Number 5380
10. Pool name or Wildcat BASIN DK/OTERO CH/ARMEN. GLP
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5595'

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
XTO ENERGY INC.

3. Address of Operator  
382 ROAD 3100, AZTEC NM, 87410

4. Well Location  
 Unit Letter L : 1703 feet from the SOUTH line and 889 feet from the WEST line  
 Section 25 Township 29N Range 11W NMPM County SAN JUAN

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input checked="" type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

XTO Energy would like to change the previously approved surface casing depth of this well from 360' to 800'.

Please see the attached revised drilling program.

RCVD JUL 12 '13  
 OIL CONS. DIV.  
 DIST. 3

Spud Date:  Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Malia Villers TITLE Permitting Tech. DATE July 10, 2013

Type or print name Malia Villers E-mail address: malia\_villers@xtoenergy.com PHONE: 505-333-3698

**For State Use Only**

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE JUL 18 2013

Conditions of Approval (if any):

PV

# XTO ENERGY INC.

Sullivan A #1F

APD Data

Revised July 10, 2013

Location: 1703' FSL x 889' FWL Sec 25, T29N, R11W County: San Juan State: New Mexico

GREATEST PROJECTED TD: 6450'

OBJECTIVE: Basin Dakota, Armenta Gallup,  
Chacra

APPROX GR ELEV: 5595'

Est KB ELEV: 5607' (12' AGL)

## 1. MUD PROGRAM:

INTERVAL	0' to 800'	800' to 2500'	2500' to 6450'
HOLE SIZE	12.25"	7.875"	7.875"
MUD TYPE	FW/Spud Mud	FW/Polymer	LSND / Gel Chemical
WEIGHT	8.6-9.0	8.4-8.8	8.6- 9.20
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. 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  $\pm 800'$  in a 12-1/4" hole filled with 9.20 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-800'	800'	24.0#	J-55	ST&C	1370	2950	244	8.097	7.972	3.58	7.71	12.71

Production Casing: 5.5" casing to be set at TD ( $\pm 6450'$ ) in 7.875" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-6450	6450'	15.5#	J-55	ST&C	4040	4810	202	4.950	4.825	1.31	1.56	2.02

Remarks: All Casing strings will be centralized in accordance with Onshore Order #2 and NTL FRA-90-1.

## 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.

## 4. CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):

A. Surface: 8.625", 24.0#, J-55, ST&C casing to be set at ± 800' in 12-1/4" hole.

475 sx of Type III cement (or equivalent) typically containing accelerator and LCM, mixed at 14.5 ppg, 1.39 ft<sup>3</sup>/sk, & 6.70 gal wtr/sk.

***Total slurry volume is 660 ft<sup>3</sup>, 100% excess of calculated annular volume to 360'.***

B. Production: 5.5", 15.5#, J-55 (or K-55), ST&C casing to be set at ±6450' in 7.875" hole. DV Tool set @ ±3775'

1<sup>st</sup> Stage

LEAD:

±246 sx of Premium Lite HS (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 12.5 ppg, 2.01 ft<sup>3</sup>/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.

2<sup>nd</sup> Stage

LEAD:

±300 sx of Type III or equivalent cement with 8% gel & LCM mixed at 11.9 ppg, 2.54 ft<sup>3</sup>/sk, 15.00 gal wtr/sx.

TAIL:

100 sx Type III neat mixed at 14.5 ppg, 1.39 cuft/sx, 6.3 gal/sx.

***Total estimated slurry volume for the 5-1/2" production casing is 1550 ft<sup>3</sup>.***

***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. Mud Logger: None.

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (6450') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (6450') to the bottom of the surface casing.

6. FORMATION TOPS:

Est. KB Elevation: 5607'

FORMATION	Sub-Sea	MD	FORMATION	TV Sub-Sea	MD
Ojo Alamo SS	5023	585	Gallup	273	5335
Kirtland Shale	4895	713	Greenhorn	-493	6101
Farmington SS			Graneros	-560	6168
Fruitland Formation	4318	1290	Dakota 1*	-597	6205
Lower Fruitland Coal	3856	1752	Dakota 2*	-617	6225
Pictured Cliffs SS	3833	1775	Dakota 3*	-683	6291
Lewis Shale	3621	1987	Dakota 4*	-745	6353
Chacra SS	2843	2765	Dakota 5*	-764	6372
Cliffhouse SS*	2172	3436	Dakota 6*	-790	6398
Menefee**	2137	3471	Burro Canyon	-817	6425
Point Lookout SS*	1599	4009	Morrison*	-839	6447
Mancos Shale	1133	4475	<b>TD</b>	-842	<b>6450</b>

\* Primary Objective

\*\* Secondary Objective

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

7. COMPANY PERSONNEL:

Name	Title	Office Phone	Home Phone
Justin Niederhofer	Drilling Engineer	303-397-3719	505-320-0158
Bobby Jackson	Drilling Superintendent	303-397-3720	505-486-4706
Reed Meek	Project Geologist	817-885-2800	--

JDN  
7/10/13