

Submit 3 Copies To Appropriate District
Office
District I
1625 N French Dr., Hobbs, NM 87240
District II
1301 W Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2008

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

WELL API NO. 30-045-25533
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E1685-4
7. Lease Name or Unit Agreement Name: BYRD FROST
8. Well Number #1
9. OGRID Number 5380
10. Pool name or Wildcat BASIN DAKOTA
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6531' GR

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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other
2. Name of Operator XTO ENERGY INC.
3. Address of Operator 382 CR 3100 AZTEC, NM 87410
4. Well Location Unit Letter D : 935' feet from the NORTH line and 1170' feet from the WEST line Section 16 Township 26-N Range 8-W NMPM NMM County SAN JUAN
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6531' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: RECOMPLETE GALLUP FORMATION ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

XTO Energy Inc. intends to recomplete to the Baca Gallup (3745) formation per the attached procedure.

Please see also the attached WB Diagram, formation tops & GP C102 plat.

RCVD AUG 17 '12
OIL CONS. DIV.
DIST. 3

Review CBL with OGD prior to perforating

Re QNSL

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 Kristen D. Lynch TITLE REGULATORY ANALYST DATE 8/16/12
Type or print name KRISTEN D. LYNCH E-mail address: kristen_lynch@xtoenergy.com PHONE 505-333-3206

For State Use Only

APPROVED BY DPeltel to Re-Ind will file NOF TITLE AV DATE SEP 10 2012
Conditions of Approval (if any):

Byrd Frost #1
Sec 16, T 26 N, R 08 W
API: 30-045-25533
San Juan County, New Mexico

Recomplete Gallup and PWOP AFE#1107584

SURF CSG: 9-5/8", 36#, K-55, STC CSG @ 283'. CIRC CMT TO SURF.
PROD CSG: 4-1/2", 11.6#, K-55 CSG @ 6,979'. DV TLS @ 4,392' AND 1,690'. PBSD @ 6,943'.
CAPACITY = 0.0155 BBLS/FT (0.0872 CUFT/FT).
BURST = 5,350 PSI (TREATING @ 75% = 4,000 PSI)
CEMENT: 1ST STAGE W/ 220 SX. TAILED W/ 150 SX. TOC UNKNOWN. 2ND STAGE W/ 464 SX. TAILED W/ 50 SX. TOC UNKNOWN. 3RD STAGE W/ 289 SX. TAILED W/ 50 SX. TOC @200' (TS).
TBG: MS, 1 jt 2-3/8", 4.7#, J-55 tbg, SN, 219 jts 2-3/8" tbg. EOT @6,865'.
PERFS: DK: 6,681'-86', 6,750'-76', 6,847'-70', 6,878'-82', 6,896'-6,903' (2 JSPF, 68 HOLES)

Recompletion Procedure

- 1) Install and test rig anchors. Comply with all New Mexico OCD, BLM and XTO safety rules and regulations. Conduct safety meeting for all personnel on location. MIRU pulling unit.
- 2) MI 3 - 400 bbl frac tanks and 1 flow back tank. Fill the frac tanks with treated water. Note: Have frac company run preliminary fluid quality tests and add biocide.
- 3) ND WH. NU BOP and test the BOP. TOH with tbg.
- 4) MIRU AFU. TIH with 3-7/8" bit and scraper and CO to 6,650'. TOH w/tbg and BHA.
- 5) RU WL. RIH w/4-1/2" CIBP to TA the Dakota. Set plug @ 6,631' (collars @ 6,616' and 6,657').
- 6) Load and pressure test casing/CIBP to 4,000 psig for 5". Report results to Mike Logan.
- 7) Run GR/CCL/CBL log fr/6,600' to surface while maintaining 500 psi. Correlate depths to Gearhart Compensated Density/Compensated Neutron log dated 4/6/1983.
- 8) Perf Gallup with 3-1/8" csg gun with 1 JSPF (Titan EXP-3323-361T, 22.7 gm, 0.36" dia., 35.63" pene, 28 holes) or equivalent performance charges. POH with csg gun.

Gallup Perforations

6,270'	6,102'	6,046'	6,016'	5,955'	5,846'
6,268'	6,098'	6,039'	6,009'	5,943'	5,840'
6,119'	6,065'	6,026'	6,007'	5,940'	5,837'
6,113'	6,060'	6,024'	5,999'	5,910'	
6,106'	6,050'	6,020'	5,997'	5,863'	

9) NU 5K frac stack. RDMO PU.

10) MIRU acid and frac equipment. Pressure test surface lines to 5,000 psig.

11) BD perfs with treated water and EIR. Shut down and record ISIP. Acidize Gallup perfs with 1,500 gals of 15% NEFE HCl acid and 42 – 7/8" RCN ballsealers @ 12 BPM down casing. Flush with 4,292 gals treated water (5 bbls over flush). RU WL. RIH with junk basket and knock off balls. RDMO WL.

12) Frac Gallup perfs fr/5,837'-6,270' down casing at 35 BPM. Pump 65Q N2 foam gelled fluid (Delta-200 Foam Frac) w/140,000# 20/40 BASF proppant with the last 25,000# coated with Expedite. Flush to top perf with 3,800 gals nitrogen foam. Est. TP 3,200 psig. Pump frac @ 35 BPM. Max TP @ 4,000 psig. Record ISIP and 5" SIPs.

Lower Mancos Frac Schedule						
Stage	BPM	Fluid	Foam Vol.	Clean Vol. (gal)	Stage Prop	Cum. Prop
BD	10	Treated Water	-	2,500	-	-
Acid	10	15% HCl Acid	-	1,500	-	-
Flush	12	Treated Water	-	4,292	-	-
Pad	35	65Q XL foam	15,000	5,250	-	-
0.5 ppg	35	65Q XL foam	8,000	2,800	4,000# 20/40	4,000# 20/40
1 ppg	35	65Q XL foam	10,000	3,500	10,000# 20/40	14,000# 20/40
2 ppg	35	65Q XL foam	19,000	6,665	38,000# 20/40	52,000# 20/40
3 ppg	35	65Q XL foam	21,000	7,350	63,000# 20/40	115,000# 20/40
3 ppg	35	65Q XL foam	8,333	2,916	25,000# 20/40 Expedite	140,000# 20/40
Flush	35	65Q N2 linear gel	3,800	1,330	-	-
Total	85,133 foam gals		36,603 fluid gals		140,000# 20/40 sd	

13) RDMO acid and frac equipment. Shut well in for six hours.

14) Install flowback manifold. Flow back well through a choke manifold to flowback tank. Start with an 8/64" choke. Increase choke size as appropriate.

15) Flow test min 3 hrs on fixed choke for IP tst. Record liq vols, FTP, & choke size. SWI. RD flowback manifold

- 16) Set a used Lufkin C-160-200-74 pumping unit with an Arrow C-96 engine (or equivalent) & cement base.
- 17) **Set unit in crank hole & sheave motor so it will pump @ 4 x 74" spm.**
- 18) Set 4-3CRO counter weights at 16" from long end of crank.
- 19) MIRU PU.
- 20) Kill well with treated water. ND frac valve, NU BOP.
- 21) PU 2-3/8" tubing. TIH with 3-7/8" bit, SN, and 2-3/8" tubing. Clean out sand to CIBP @ 6,631'. TOH and LD BHA. RDMO AFU.
- 22) TIH with tubing & BHA as follows:
 - a) 1 – 4-1/2" TAC, open ended
 - b) 1 – 2-3/8" jt with 1/2" vent hole located 1' from top
 - c) 2-3/8" (1.78" ID) API SN
 - d) ±199 jts - 2-3/8" tubing to surface, EOT @ 6,382', SN @ 6,350'
- 23) ND BOP NU WH.
- 24) TIH with rod assembly as follows:
 - a) 2" X 1-1/4" X 16' X 2" RWAC
 - b) 3/4" X 4' Guided rod sub w/ mold-on guides
 - c) 3/4" – 21,000lb HF shear tool
 - d) 6 - 1-1/4" API K sinker bars with stabilizer rods
 - e) 31 - 3/4" API D Molded Guide Rods w/ T-couplings
 - f) 217- 3/4" API D Rods w/ T-couplings and rod subs
 - g) 1-1/4" X 22' Polished Rod w/ 10' liner
- 25) Space out pump with spacer subs. Load tubing and long stroke with rig to ensure pump action. HWO.
- 26) RDMO PU.
- 27) Gauge tanks. Shoot FL and run dynamometer during pumping unit startup. Start well pumping at 4 SPM and 74" SL for 24 hours. Check fluid level and tank gauges.
- 28) Report rates and pressures to Mike Logan. Shoot FL.

Regulatory Requirements

Recompletion

NOI (TA DK)	_____
C-144 CLEZ	_____
Completion Reports	_____
C-104	_____

Equipment:

- 3-7/8" bit & bit sub and AFU
- Used C-160-200-74 pumping unit with an Arrow C-96 engine (or equivalent) & cement base.
- 5K frac valve

Rods:

- 2" X 1-1/4" X 16' X2' RWAC
- 3/4" X 4' Guided rod sub w/ mold-on guides
- 3/4" – 21,000lb HF shear tool
- 6 - 1-1/4" API K sinker bars with stabilizer rods
- 31 - 3/4" API D Molded Guide Rods w/ T-couplings
- 217- 3/4" API D Rods w/ T-couplings and rod subs
- 1-1/4" X 22' Polished Rod w/ 10' liner

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 19, 2009
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-25533	² Pool Code 3745	³ Pool Name Baca Gallup
⁴ Property Code 22667	⁵ Property Name Byrd Frost	⁶ Well Number 1
⁷ OGRID No. 5380	⁸ Operator Name XTO Energy, Inc.	⁹ Elevation 6531 GL

¹⁰ Surface Location

UL or lot no. D	Section 16	Township 26N	Range 8W	Lot Idn	Feet from the 935	North/South line NORTH	Feet from the 1170	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. SAME	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres GP. 40 acre	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

	<p>21</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true & complete to the best of my knowledge & belief and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well 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 compulsory pooling order heretofore entered by the division.</i></p>
		<p>Signature <i>Kristen D. Lynch</i></p> <p>Printed Name KRISTEN D. LYNCH</p>
		<p>Title REGULATORY ANALYST</p>
		<p>Date 8/9/2012</p>
		<p>¹⁸ SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true & correct to the best of my belief.</i></p>
		<p>6/23/1984</p> <p>Date of Survey</p> <p>Original Survey Signed By <i>John A. Vukonich</i></p> <p>14831</p> <p>Certificate Number</p>

Charles
 Musekamp/FTW/CTOC
 08/13/2012 01:20 PM

Here are the tops for Byrd Frost 1:

EXPECTED FORMATION TOPS					
GR Elevation:	6531	Est:	Surveyed: XX		
KB Elevation:	6543	Est: XX	Actual:		

FORMATION	Sub-Sea	MD	FORMATION	TV Sub-Sea	MD
Nacimiento	#VALUE!	surface			
Ojo Alamo SS	5053	1,490			
Kirtland Shale	4862	1,681	Greenhorn	-58	6,601
Fruitland Formation	4695	1848	Graneros	-104	6,647
Lower Fruitland Coal	#VALUE!	n/a	Dakota 1*	-137	6,680
Pictured Cliffs SS	4220	2323	Dakota 2*	-181	6,724
Lewis Shale	4093	2,450	Dakota 3*	-206	6,749
Chacra SS	3343	3,200	Dakota 4*	-261	6,804
Cliffhouse SS	2661	3,882	Dakota 5*	-301	6,844
Menefee	2582	3,961	Dakota 6*	-345	6,888
Point Lookout SS	1943	4,600	Burro Canyon*	-402	6,945
Mancos Shale	1608	4,935	Morrison*	#VALUE!	n/a
"Gallup"***	798	5,745	TD	-412	6,955

Ollie Musekamp
 Associate Geologist: Rocky Mountain Division
 XTO Energy
 work phone: (817) 885-1963
 Charles_Musekamp@xtoenergy.com

XTO - Wellbore Diagram

Well Name: Byrd Frost 01

API/UVI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State
30045255330000	1,170.0	FWL	935.0	FNL	T26N-R08W-S16	Basin Dakota	San Juan	New Mexico
Well Configuration Type	XTO ID B	Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	PBTD (All) (ftKB)	Total Depth (ftKB)	Method Of Production
Vertical	70122	6,543.00	6,531.00	12.00	3/29/1983	Original Hole - 6943.0	6,979.0	Flowing

Well Config: Vertical - Original Hole; 8/16/2012 11:11:21 AM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones	Zone	Top (ftKB)	Btm (ftKB)						
					Gallup		5,835.0							
					Dakota		6,681.0	6,903.0						
					Casing Strings									
				12	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ft)				
					Surface	9 5/8	36.00	K-55		283.0				
				200	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ft)				
					Production	4 1/2	11 60	KS40		6,979.0				
				200	Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)				
					DV Tool	4 1/2			1,690.0	1,691.0				
				283	Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)				
					DV Tool	4 1/2			4,392.0	4,393.0				
					Cement									
				1,690	Description	Type		String						
					Surface Casing Cement	casing		Surface, 283.0ftKB						
				1,690	Comment									
					Cemented w/250 sx "B" w/adds. Circ cement to surface									
				1,691	Description	Type		String						
					Production Casing Cement	casing		Production, 6,979.0ftKB						
				1,691	Comment									
					1ST STAGE W/ 220 SX. TAILED W/ 150 SX TOC UNKNOWN. 2ND STAGE W/ 464 SX. TAILED W/ 50 SX. TOC UNKNOWN 3RD STAGE W/ 289 SX TAILED W/ 50 SX TOC @200' (TS)									
				1,720										
					Perforations									
				4,392	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (*)	Curr. Status	Zone		
					5/24/1983	6,681.0	6,776.0	2.0				Dakota		
				4,393	4/20/1983	6,847.0	6,903.0	2.0				Dakota		
					Tubing Strings									
				4,400	Tubing Description	Run Date		Set Depth (ftKB)						
					Tubing - Production			6,865.0						
					Tubing Components									
				5,835	Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Gra	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
					Tubing		T&C Upset	2 3/8	4 70	J-55		6,852.00	12.0	6,864.0
					Seat Nipple			2 3/8				1.00	6,864.0	6,865.0
				6,681	Rods									
					Rod Description	Run Date		String Length (ft)				Set Depth (ftKB)		
				6,776	Rod Components									
					Item Description	Jts	Model	OD (in)	Grade	Len (ft)		Top (ftKB)	Btm (ftKB)	
				6,847	Stimulations & Treatments									
					Frac Start Date	Top Perf (ft)	Bottom Pe	V (slurry) (Total Prop	AIR (b	ATP (psi)	MTP (psi)	ISIP (psi)	
					4/28/1983	6847	6903	1461 91	65,000.0	17	3,600.0		1,800.0	
				6,864	Comment									
					70Q CO2, 40# gel									
					Frac Start Date	Top Perf (ft)	Bottom Pe	V (slurry) (Total Prop	AIR (b	ATP (psi)	MTP (psi)	ISIP (psi)	
					5/24/1983	6681	6776	1238 10	90,000.0	15	3,400.0		1,800.0	
				6,865	Comment									
					70Q N2? 30# gel									
				6,903										
				6,943										
				6,979										

Top (MD) 5,835,
Des. Gallup

Top (MD) 6,681,
Des. Dakota

PBTD
6,943

TD: 6,979