

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, 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 & Natural Resources

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

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AUG 27 2009

HOBSOCD

Form C-101
May 27, 2004

Submitting to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address XTO Energy, Inc. 200 N. Loraine, Ste. 800 Midland, TX 79701		² OGRID Number 005380
⁴ Property Code 300650	⁵ Property Name A L Christmas NCT C	³ API Number 30- 025-25657
⁹ Proposed Pool 1 Eumont; Yates-7 Rvrs-Queen (Oil)		⁶ Well No 15
¹⁰ Proposed Pool 2		

⁷ Surface Location

UL or lot no L	Section 18	Township 22S	Range 37E	Lot Idn	Feet from the 1980'	North/South Line South	Feet from the 710'	East/West line West	County Lea
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⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
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Additional Well Location

¹¹ Work Type Code P	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3435' GL
¹⁶ Multiple No	¹⁷ Proposed Depth 6700' TD of Well	¹⁸ Formation Yates-7 Rvrs-Queen	¹⁹ Contractor	²⁰ Spud Date Orig. Date 10/1/77
Depth to ground water		Distance from nearest fresh water well +1000'		Distance from nearest surface water +1000'
Pit. Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume _____ bbls Drilling Method.				
Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	1189'	500 sxs	Surface
7 7/8"	5 1/2"	15.5#	6700'	1750 sxs	Surface

²² Describe the proposed program If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

*Well is currently shut-in due to mechanical failure
*Production Zone prior to Shut-in Status: Blinebry Oil & Gas (Oil)
*Proposed Zone: Yates-7 Rvrs-Queen (Oil)
*PB Depth: +/-3860'
*Formation @ TD: Drinkard Formation @ PB: Blinebry
*Proposed Program Attached

Permit Expires 2 Years From Approval
Date Unless Drilling Underway
Plugback

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) Alternative OCD-approved plan <input type="checkbox"/> Signature: <i>Kristy Ward</i>		OIL CONSERVATION DIVISION	
Printed name: Kristy Ward		Approved by: <i>[Signature]</i>	
Title: Regulatory Analyst		Title: PETROLEUM ENGINEER	
E-mail Address: kristy.ward@xtoenergy.com		Approval Date SEP 23 2009 Expiration Date	
Date: 8/26/09	Phone: 432-620-6740	Conditions of Approval: Attached <input type="checkbox"/>	

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State of New Mexico
Energy, Minerals & Natural Resources

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

RECEIVED

Form C-102
October 12, 2005

AUG 27 2009
Submitted to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-25657	² Pool Code 22800	³ Pool Name Eumont; Yates - 7 Rvrs - Queen (Oil)
⁴ Property Code 300650	⁵ Property Name A L Christmas NCT C	⁶ Well Number 15
⁷ OGRID No. 005380	⁸ Operator Name XTO Energy, Inc.	⁹ Elevation 3435' GL

¹⁰ Surface Location

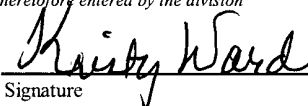
UL or lot no. L	Section 18	Township 22S	Range 37E	Lot Idn	Feet from the 1980'	North/South line South	Feet from the 710'	East/West line West	County Lea
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	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 40	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

¹⁶				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and 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  Signature Date 8/26/09 Printed Name Kristy Ward
				¹⁸ SURVEYOR CERTIFICATION 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 and correct to the best of my belief Date of Survey Signature and Seal of Professional Surveyer Certificate Number



Christmas C 15
LEA COUNTY, NEW MEXICO
Plug Back /OAP/Stimulation Procedure
July 20, 2009

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ELEVATION: GL – 3435' TD – 6700'
PBTD – 3840' (CIBP with cement)

WELL DATA:

Current Status: Shut-in due to casing leak from 3889 – 3905'.
Active Producer – Last test - 4/10/09: 7 bopd / 1912 bwpd / 3 mcfpd.

Surface Casing: 8-5/8" 24# K-55. Set at 1189'. Cemented with 500 sx.
TOC at surface.

Prod. Casing: 5-1/2" 15.5# K-55. Set at 6700'. Cemented with 1750 sx.
TOC at surface.

COMPLETION:

Perfs: CIBP @ 3860'
Casing leak from 3889 – 3905'
CIBP @ 5415'

Blinebry:	5494 – 96'	(2', 4 spf, 8 holes)	12/82
	5511 – 13'	(2', 4 spf, 8 holes)	12/82
	5548 – 50'	(2', 4 spf, 8 holes)	12/82
	5570 – 72'	(2', 4 spf, 8 holes)	12/82
	5603 – 05'	(2', 4 spf, 8 holes)	12/82
	5622 – 24'	(2', 4 spf, 8 holes)	12/82
	5697 – 99'	(2', 4 spf, 8 holes)	12/82

CIBP @ 6402'

CIBP @ 6420'

Drinkard:	6529 – 31'	(2', 2 spf, 4 holes)	11/77
	6572 – 74'	(2', 2 spf, 4 holes)	11/77
	6599 – 6601'	(2', 2 spf, 4 holes)	11/77
Total:		(20' net, 68 holes)	

OBJECTIVE: Plug back, OAP and stim Penrose; RWTP

RECOMMENDED PROCEDURE

(Verify that anchors have been set and tested per NM OCD & OSHA guidelines)

This well is a STATE well

1. MIRUPU. MI and rack 3800' of 2-7/8" WS.



Christmas C 15

LEA COUNTY, NEW MEXICO

Plug Back /OAP/Stimulation Procedure

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2. ND WH. NU BOP. PU 2-7/8" WS and RIH with 4-3/4" bit and scraper and tag CIBP. POOH and LD bit and scraper.
3. MIRU Wireline. Correlate depth with the *Compensated Densilog (Density/ Neutron Porosity log) run by Dresser Atlas dated 10-11-77*. RIH and perforate the following intervals at 2 JSPF and 60 degree phasing using a 3-1/8" gun, and premium charges:
Penrose: 3445 – 3447 (2', 6 holes)
 3462 – 3464 (2', 6 holes)
 3471 – 3476 (5', 15 holes)
 3480 – 3489 (9', 27 holes)
 3501 – 3503 (2', 6 hoiles)
 3520 – 3523 (3', 9 holes)
 3527 – 3529 (2', 6 holes)
 3543 – 3545 (2', 6 holes)
 3551 – 3555 (4', 12 holes)
 [Total: 31', 93 holes]
POOH with csg gun.
4. PU and RIH with 5-1/2" treating packer on 2-7/8" WS. Set packer at 3375'. Load backside with fresh water and test to 500 psig. Hold and monitor backside pressure during job.
5. MIRU pumping company and pressure test lines to 4500 psig.
6. Pump 6,000 gals 20% 90/10 AcidTol and 65 tons of 70% foam quality CO2 with 93 ballsealers in 6 stages per the attached pumping schedule. **Maximum treating pressure should be 4,000 psi. Attempt to achieve 10 bpm. Monitor backside for communication.** Once flush is achieved, shut well in for 3 hours to let acid spend. RDMO pumping company.
7. Flow/Swab back acid load. Determine flow rate and oil cut. Report results to Midland.
8. Unset packer and POOH LD packer and workstring.
9. RIH with production tbg, rods, and pump. Pump/rod string and/or ESP should be initially designed for 200 bfpd rate. Use swab results to better approximate rate to size pumping equipment.
10. ND BOP. NU WH. RWTP. RDMOPU.

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A.L. CHRISTMAS NCT C #15 WELLBORE DIAGRAM

ELEV KB
GL 3435'

DATA

LOCATION: 1980' FSL & 710' FWL SEC 18, T-22-S, R-37E
COUNTY/STATE: LEA COUNTY, NM
FIELD: DRINKARD
FORMATION: BLINBERY
SPUD DATE: 10/01/77
INITIAL IP: P 46 BO, 20 BW, 24 HR TST. GRAVITY 39.4 (11/8/77)
API #: 30-025-25657
CURRENT PRODUCTION METHOD: ROD PUMPED

HISTORY

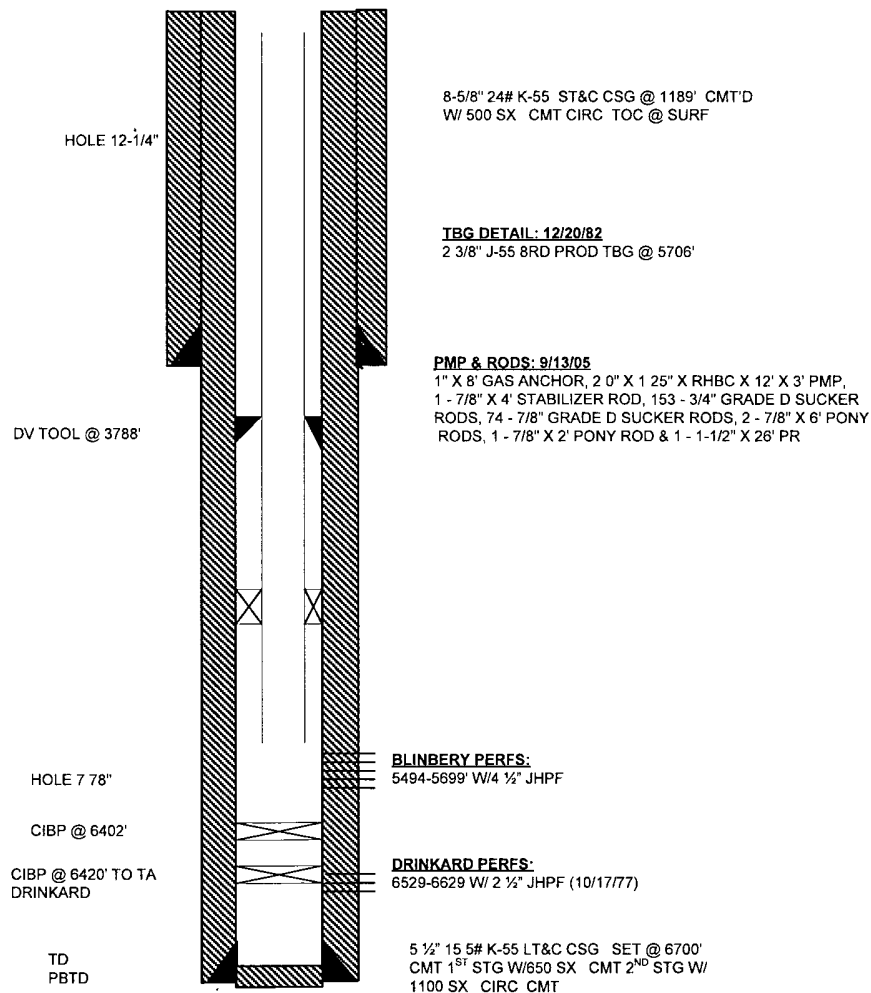
10/01/77: SPUD WELL. DRL 12-1/4" HOLE TO 1195'. RAN 31 JTS 8 5/8" 24# K-55 ST&C CSG SET @ 1189'. CMT W/500 SX CL C. CMT CIRC

10/17/77: CONT DRLG. REACHED TD OF 7 7/8" HOLE @ 6700'. RAN 172 JTS 5 1/2" 15.5# K-55 LT&C CSG. SET @ 6700'. DVT TOOL @ 3788' CMT 1ST STG W/450 SX CL C + 200 SX HOWCO THICKSET CMT CIRC CMT 2ND STG W/1200 SX CL C CMT CIRC. RUN OH LOGS. PERF 5 1/2" CSG W/ 2 1/2" JHPF @ 6529-31', 6572-74', 6599-601'. ACDZ W/1600 GALS 15% NEA IRON STAB INHIB ACID. RIH W/2 3/8" TBG & SET @ 6450'.

12/10/82: POH W/RODS & PMP, POH W/ 2 3/8" TBG SET CIBP @ 6420 TO TA DRINKARD PERF 5494-96', 5511-13', 5548-50', 5570-72', 5603-05', 5622-24' & 5697-99' W/ 4 1/2" JHPF. GIH W/TRTG PKR & SN ON 2 7/8" N-80 WS. SPOT 15% NEFE HCL ACID F/5699-5394'. PULL PKR TO 5394' & SET @ 5394'. ACDZ W/2800 GALS @ 15% HCL SLICK, 72 RCNB'S. FRAC W/2100 GALS 15% HCL SLICK, 59,500 GALS GEL WTR, 73,500# 20/40 SD (48) RCNB'S, RS & ACID FLAKES RUN PROD EQUIP

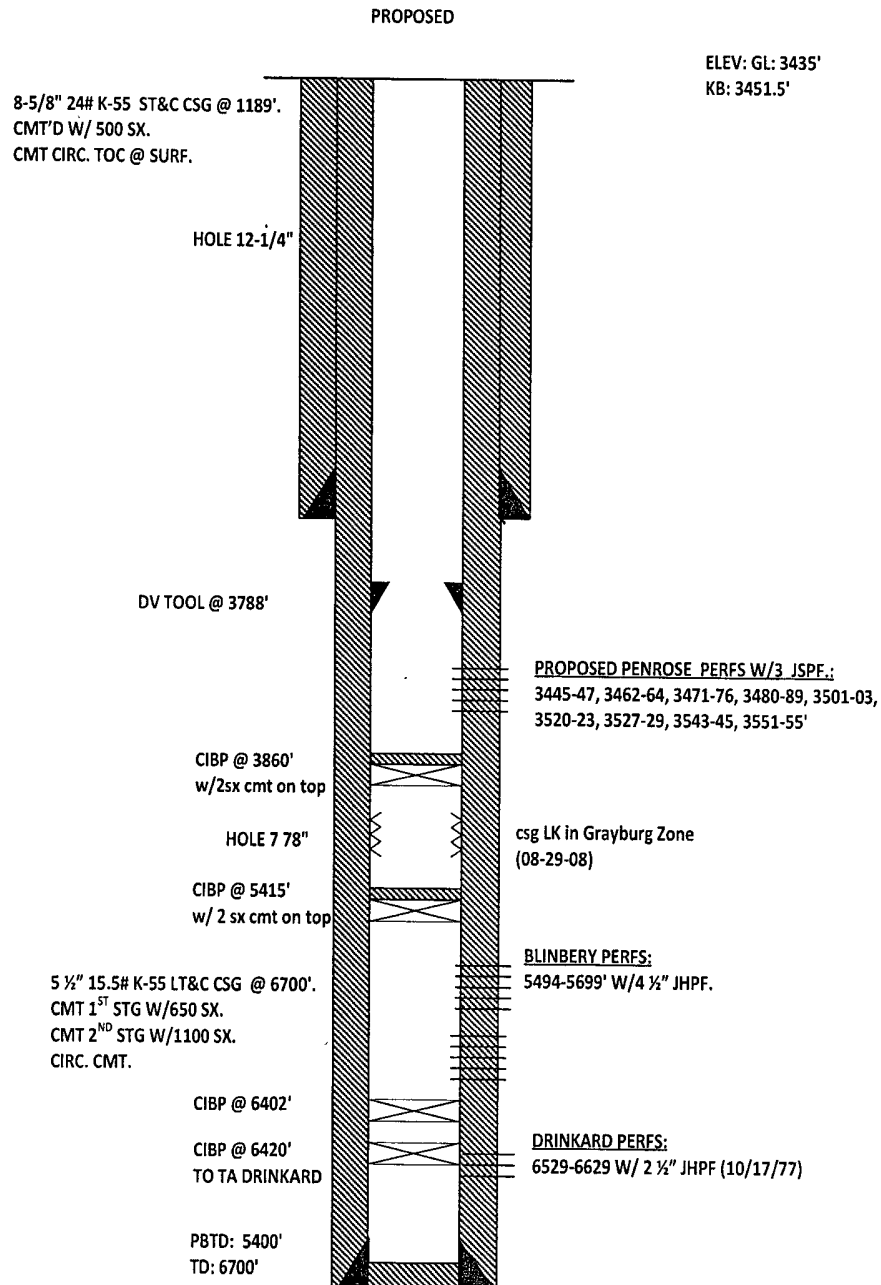
12/30/82: POH W/PROD EQUIP SET CIBP @ 6402'. PERF 5494-96', 5511-13', 5548-50', 5570-72', 5603-05', 5622-24', 5697-99' W/ 4 1/2" JHPF ACDZ W/3650 GALS 15% NEFE HCL, 72 RCNB'S. FRAC W/59,500 GALS GEL, 2100 GALS 15% NEFE SLICK HCL, 73500# 20/40 SD, 56 RCNB'S. GIH W/TBG TO 5706'. RIH W/PMP & RODS HUNG ON. COMPLETE AFTER TA DRINKARD, RECOMPLETING BLINBERY.

09/13/05: POH W/RODS & PMP. RIH W/1" X 8' GAS ANCHOR, 2.0" X 1.25" X RHBC X 12' X 3' PMP (SN# - HGEN-343), 1 - 7/8" X 4' STABILIZER ROD, 153 - 3/4" GRADE D SUCKER RODS, 74 - 7/8" GRADE D SUCKER RODS, 2 - 7/8" X 6" PONY RODS, 1 - 7/8" X 2' PONY ROD & 1 - 1-1/2" X 26' PR.



A.L. CHRISTMAS NCT C #15

WELLBORE DIAGRAM



DATA

LOCATION: 1980' FSL & 710' FWL SEC 18, T-22-S, R-37E
COUNTY/STATE: LEA COUNTY, NM
FIELD: DRINKARD
FORMATION: BLINBERY/ GRANBURY
SPUD DATE: 10/01/77
INITIAL IP: P 46 BO, 20 BW, 24 HR TST. GRAVITY 39.4 (11/8/77)
API #: 30-025-25657
CURRENT PRODUCTION METHOD: ESP

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HISTORY

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03/06/08: RIH W/ SONIC HAMMER TOOL TO 5450'. WASHED CASED HOLE FR/5494' - 5699'. SI BACKSIDE, SONIC HAMMERED CSGD HOLE W/1000 GALS OF 20% 90/10 HCL (APPROX 32 BBLs/ STAND). DROPPED BALL TO SHEAR SLEEVE IN TOOL BLWTR 424, AVG 4.5 BPM, AVG TP 1650 PSIG, AVG CP 0 PSIG. 5" SITP 0 PSIG(VAC). SWAB, MADE 13 RUNS & REC 187 BBLs WTR W/35% OC. 15 HR WELL TST. 55 BO, 338 BW, 20 MCFD, 9 STK/MIN, 100" STK. RWTP.

06/17/08: UPSIZE PMP TO SUB/FL @ 4991 FAP.

08/23/08: SET RBP @ 5400'. ISOLATE CSG LEAK FR 3889-3905'. EIR @ 3 BPM, 0 PSIG. POOH W/ RBP. RWTP.

7/2009: RU SPOOLER. POOH LD SUB PUMP. RIH W/ CIBP AND SET @ 5415' W/ 2 SX CEMENT. POOH. RIH W/ CIBP AND SET @ 3860' WITH 2 SX CMT CIRC PKR FLUID. NOTIFY NMOC OF MIT TST. CSG TST GOOD. WELL TA'D.