### State of New Mexico

1625 N French Dr., Hobbs, NM 88240 RECEIVED, Minerals & Natural Resources District II

1000 Rio Brazos Rd , Aztec, NM 87410

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

AUG 18 2009

Oil Conservation Division

1220 S. St. Francis Dr.

Submit to appropriate District Office

#### 1220 S St Francis Dr., Santa Fe, NM 87505 Santa Fe. NM 87505 AMENDED REPORT APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE <sup>2</sup> OGRID Number <sup>1</sup>Operator Name and Address 005380 XTO Energy, Inc. <sup>3</sup>API Number 200 N. Loraine, Ste. 800 Midland, TX 79701 30-025-25530 <sup>4</sup>Property Code <sup>5</sup>Property Name <sup>6</sup>Well No A L Christmas NCT C -22800 300650 10 10 Proposed Pool 2 9 Proposed Pool 1 Blinebry Oil & Gas Drinkard <sup>7</sup>Surface Location Feet from the North/South Line Feet from the East/West line Township Range Lot Idn County UL or lot no Section 1845 F 18 **22**S 37F 1950' North West Lea <sup>8</sup> Proposed Bottom Hole Location If Different From Surface Lot Idn Feet from the North/South Line Feet from the UL or lot no Township Range East/West line County Section Additional Well Location 12 Well Type Code 14 Lease Type Code 11 Work Type Code 13 Cable/Rotary 15 Ground Level Elevation 3423' GL 17 Proposed Depth 19 Contractor 20 Spud Date 16 Multiple 18 Formation 6710' TD Drinkard N/A Orig Date Downhole Commingle Distance from nearest fresh water well Distance from nearest surface water Depth to ground water +1000' No record found +1000°Clay [\_\_ Drilling Method Liner Synthetic ..... \_\_\_\_ mils thick Pit Volume \_\_\_\_\_ bbls Gas/Air Closed-Loop System Fresh Water Brine 🗍 Diesel/Oil-based <sup>21</sup>Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 8-5/8" 24# 1118' 12 1/4" 550 sxs Surface 7-7/8" 5-1/2" 15.5# 6710' 2077 sxs Surface CONDITIONS OF APPROVAL for NON-STANDARD PRORATION Intent to drill//workover ONLY -- CANNOT produce until the Non-Standard Proration has been approved <sup>22</sup> Describe the proposed program If this application is to DEEPEN or PLUG BACK, give the da by OCD Santa Fe office Describe the blowout prevention program, if any Use additional sheets if necessary Well is currently TA'd. Prod Zone prior to TA Status: Eumont; Yates-7 Rvrs-Queen (0il), Penrose Skelly zone Proposed Zone: Drinkard and Blinebry Proposed PBTD: CIBP @ 6615' Formation @ TD: Drinkard \*Proposed Program Attached <sup>23</sup> I hereby certify that the information given above is true and complete to the best of OIL CONSERVATION DIVISION my knowledge and belief. I further certify that the drilling pit will be a general permit X, or constructed according to NMOCD guidelines Approved by: an (attached) alternative OCD-approved plan Signature PETROLEUM ENGINEER Title: Printed name: DeeAnn Kemp Regulatory Title. E-mail Address: deeann kemp@xtoenergy.com CONDITION OF APPROVAL for DHC -- Approval Phone Date: for Drilling // Workover Only CANNOT produce multiple zones without the OCD Hobbs office approval for Downhole 7/8/09 432-620-6724

Commingle per R-11363 set forth in Rule 19 15 12.11(2).

# A.L. Christmas NCT C #10

TIH w/ wireline set BJ Composite 5 1/2" and set at 6400'. POH. Load hole with 1% KCL.

Rig up Gray Wireline and pull CNL from 6400 to 2100'. POH.

Under full lubricator TIH w/ 4" casing gun and perforate the Tubb at

Drinked Perforations:

- a. 6204-6215 (11', 22 holes)
- b. 6189-6194 (5', 10 holes)
- c. 6173-6185 (12', 24 holes)
- d. 6153-6165 (12', 24 holes)
- e. Total of Gross 210', Net 40', 80 shots of 2 JSPF @ 180 degree phasing.

Move in set and level 3 frac tanks. Load with 410 bbls of Fresh water each. Keep tanks there until after last frac.

TIH with packer, and 3 ½" workstring. Test CIBP to 1000 psi. Pull packer to 6300' and spot 250 gals of 15% NEFE Acid. Pull packer to 5900' and reset. Breakdown perfs and acidize interval with 3000 gals of 15 % NEFE Acid and 120 7/8"- 1.3 sg ball sealers. Max Pressure: 4,000 psi, Max Rate: 5 BPM. Shut-in for one hour. Open well back to pit. Flow well down.

Flow or Swab well. Monitor oil cut and fluid level. Unset packer and knock balls off seat. Prepare to frac well. Pull packer to 5900' and reset.

Rig up Frac Crew and Frac according to following procedure and the attached procedure for details. Max Rate/Pressure: 35 BPM/6,000 psi. (Anticipate: 30 BPM/4500 psi)

- a. Pump 18,000 gal pad of 30# gel system with additives
- b. Pump 4,000 gals of 30# gel system with additives 1# 16/30 White Sand
- c. Pump 4,000 gals of 30# gel system with additives 2# 16/30 White Sand
- d. Pump 4,000 gals of 30# gel system with additives 3# 16/30 White Sand
- e. Pump 5,000 gals of 30# gel system with additives 4# 16/30 White Sand
- f. Pump 5,000 gals of 30# gel system with additives 5# 16/30 White Sand
- g. Pump 3,000 gals of 30# gel system with additives 5# 16/30 Super LC Sand
- h. Pump 2,500 gals of 30# gel system with additives 6# 16/30 Super LC Sand
- i. Flush with 2280 gals. 30# linear gel
- j. Shut well in over night to allow frac to heal.

Open well back to pit and flow well through 8/64ths choke. Flow well down at steady rate. When well falls off then open another 8/64ths until well flows down. Take Shut-in tubing pressure each morning and report in FDA. Flow well down.

Swab well and return to production with only the Tubb isolated. Produce load and determine productivity of zone. Move to Blinebry perf and frac.

#### **Blinebry Completion**

TIH with RBP with ball catcher to 5700' and reset and test to 1000 psi. POH.

Under full lubricator TIH w/ 4" casing gun and perforate

#### **Blinebry Perforations:**

- a. 5520-5552 (32', 64 holes)
- b. 5476-87 (11', 22 holes)
- c. 5445-55 (10', 20 holes)
- d. 5425-35 (10', 20 holes)
- e. Total of Gross 187', Net 63', 126 shots of 2 JSPF @ 180 degree phasing

TIH with 3 ½" workstring and packer to 5552 and spot 250 gals of 15% NEFE Acid. Pull packer to 5100' and set. Breakdown perfs and acidize interval with 2500 gals of 15% NEFE Acid and 180 7/8" 1.3 sg ball sealers. Max Pressure: 4,000 psi, Max Rate: 5 BPM. Shut-in for one hour. Open well back to pit. Flow well down.



## A.L. Christmas NCI- C =10

Open well back to pit and flow well through 8/64ths choke. Flow well down at steady rate. When well falls off then open another 8/64ths until well flows down. Take Shut-in tubing pressure each morning and report in FDA.

Flow or Swab well. Monitor oil cut and fluid level. Unset packer and knock balls off seat. Prepare to frac well.

Rig up Frac Crew and Frac according to following procedure and the attached procedure for details. Max Rate/Pressure: 35 BPM/6,000 psi. (Anticipate: 30 BPM/4000 psi)

- a. Pump 18,000 gal pad of 30# gel system with additives
- b. Pump 4,000 gals of 30# gel system with additives 1# 16/30 White Sand
- c. Pump 4,000 gals of 30# gel system with additives 2# 16/30 White Sand
- d. Pump 4,000 gals of 30# gel system with additives 3# 16/30 White Sand
- e. Pump 5,000 gals of 30# gel system with additives 4# 16/30 White Sand
- f. Pump 5,000 gals of 30# gel system with additives 5# 16/30 White Sand
- g. Pump 3,000 gals of 30# gel system with additives 5# 16/30 Super LC Sand
- h. Pump 2,500 gals of 30# gel system with additives 6# 16/30 Super LC Sand
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- j. Shut well in over night to allow frac to heal.

Open well back to pit and flow well through 8/64ths choke. Flow well down at steady rate.

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	Ad, Aztec, Nanta API Numb - 025 - 255 Code 50 No 30  Section 18  Section	Rd , Aztec, NM 87410  Rd , Aztec, NM 87410  S Dr , Santa Fe, NM 8750  WE  API Number  - 025 - 25530  Code  50  No  30  Section Township  18 22S  Section Township  as I <sup>3</sup> Joint or Infill	Rd , Aztec, NM 87410  S Dr , Santa Fe, NM 87505  WELL LOCA  API Number  - 025 - 25530  Code  50  D No  30  Section Township Range  18 22S 37E  11 Bot  Section Township Range  Section Township Range  18 Doing Section Township Range  Section Township Range  Section Township Range  Section Township Range  ABLE WILL BE ASSIGNED TOWNSTANE  ABLE WILL BE ASSIGNED TOWNSTANE	Rd , Aztec, NM 87410  Rd , Aztec, NM 87410  S Dr , Santa Fe, NM 87505  WELL LOCATION  API Number  - 025 - 25530  Code  50  D No  30  Section Township Range Lot  18 22S 37E  11 Bottom Ho  Section Township Range Lot  Section Township Range Lot  ABLE WILL BE ASSIGNED TO THIS  NON-STANDARD U	Rd , Aztec, NM 87410 Red , Aztec, N	Rd , Aztec, NM 87410 Rd , Aztec, NM 87410 Rd , Aztec, NM 87410 Red	Rd , Aztec, NM 87410 Red , Aztec, NM 8750 Red	Autical States, NM 87410  Autical States, NM 87410  States, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAL States Fe, NM 87505  **Operator Name XTO Energy, Inc.**  **Operator Name XTO Energy, Inc.**  **Inc.**  **Operator Name XTO Energy, Inc.**  **Inc.**  **Inc.**	Rd, Aztec, NM 87410  BBSOCD  Sort, Santa Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICATION PLA  API Number  -025-25530  Code  -025-25530  Code  -025-25530  Code  -025-25530  AL Christmas NCT C  -025-25530  Sortion  -025-25530  AL Christmas NCT C  -025-25530  Sortion  Soction  Soct	ADU B 200L CONSERVATION DIVISION  2d, Aziec, NM 87410  2dd, Aziec, NM 87410  2dd, Aziec, NM 87505  WELL LOCATION AND ACREAGE DEDICATION PLAT  API Number  2 Pool Code  3 Pool Name  4 L Christmas NCT C  3 Pool Name  50  A L Christmas NCT C  3 Pool Name  50  A L Christmas NCT C  3 Pool Name  50  50  50  50  50  50  50  50  50  5	Red, Azice, NM 87410  B 7893 CONSERVATION DIVISION  State Fe NM 87505  Santa Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICATION PLAT  API Number  API

District I

State of New Mexico Energy, Minerals & Natural Resources

Form C-102 Revised October 12, 2005

1625 N French Dr , Hobbs, NM 88240

District II
1301 W Grand Avenue, Artesia, NM 88210

CONSERVATION DIVISION

1220 South St. Francis Dr.

Submit to Appropriate District Office State Lease - 4 Copies

1000 Rio Brazos Rd , Aztec, NM 87410 AUG 1.0 2009 District III District IV 1220 S St Francis Dr , Santa Fe, NMHQBBSOCD

Santa Fe, NM 87505

Fee Lease - 3 Copies AMENDED REPORT

	_ WELL_LOCATION AND AC	CREAGE DEDICATION PLAT				
<sup>1</sup> API Number	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name				
30-025-25530	19190	Drinkard				
erty Code	<sup>5</sup> Pro	perty Name 6 Well Number				

<sup>4</sup> Property A L Christmas NCT C 10 300650 <sup>9</sup> Elevation OGRID No <sup>8</sup> Operator Name 3423' GL 005380 XTO Energy, Inc.

<sup>10</sup>Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F _	18	22S	37E		1950'	North	1845 '	West	Lea

#### 11 Bottom Hole Location If Different From Surface

				Dot	tom in			erent i rom bu	race		
UL or lot no	Sec	tion	Township	Range	Lo	t Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acre	es	<sup>13</sup> Joir	nt or Infill	<sup>14</sup> Consolidatio	n Code	15 Or	der No				
40					,	1					

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

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16	1			<sup>17</sup> 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
			-	mterest in the land including the proposed bottom hole location
	%			or has a right to drill this well at this location pursuant to a
	5			contract with an owner of such a mineral or working interest, or
				to a voluntary pooling agreement or a compulsory pooling order
1845				Signature Date  DeeAnn Kemp
				Printed Name Regulatory
				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
		a'		Date of Survey
				Signature and Seal of Professional Surveyer
				,
				Certificate Number