

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

Form C-101
May 27, 2004

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

Submit to appropriate District Office

APPLICATION FOR RECEIVED 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 18305	⁵ Property Name Dauron	³ API Number 30- 025-06338
⁹ Proposed Pool 1 Tubb OIL + GAS (OIL)		⁶ Well No. 1
¹⁰ Proposed Pool 2 Blineberry OIL + GAS (OIL)		

⁷ Surface Location									
UL or lot no. E	Section 1	Township 21S	Range 37E	Lot. Idn 5	Feet from the 2214	North/South Line North	Feet from the 755	East/West line West	County Lea

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

¹¹ Work Type Code P					¹² Well Type Code O		¹³ Cable/Rotary		¹⁴ Lease Type Code P		¹⁵ Ground Level Elevation 3516' GL	
¹⁶ Multiple Yes-Downhole Commingle		¹⁷ Proposed Depth 7510' TD			¹⁸ Formation Drinkard			¹⁹ Contractor N/A		²⁰ Spud Date Orig Date		
Depth to ground water No record found				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 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
13 3/4"	10 3/4"	40#	224'	200sxs	surface
9 7/8"	7 5/8"	24#	3045'	1100sxs	surface
6 3/4"	5 1/2"	NR	5935'	200sxs	4410' TS
4 3/4"	4" liner	11#	7509'	150sxs	5792' TS

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 producing.
Production zone currently is: Drinkard
Proposed Zone: Tubb & Blineberry. Proposed PBTD is 7474'
Formation @ TD: Drinkard
*Proposed Program Attached

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 NMOC guidelines <input type="checkbox"/> a general permit <input checked="" type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Signature: <i>Patty Urias</i>		Approved by: <i>[Signature]</i>	
Printed name: Patty Urias		Title: PETROLEUM ENGINEER	
Title: Regulatory Analyst		Approval Date: 05/02/11 Expiration Date:	
E-mail Address: patty.urias@xtoenergy.com		Conditions of Approval:	
Date: 4/27/11	Phone: 432-620-4318	Attached <input type="checkbox"/> MAY 04 2011	



Dauron #1

OAP, Sand Frac Blinebry/Tubb/Drinkard

Lea County, New Mexico

April 8, 2011

1. MIRU PU. POOH with pump and rods.
2. ND WH. NU 10,000 psi hydraulic BOP. POOH and LD 2-3/8" production tubing.
3. MI and rack 6500' of 2-7/8" N-80 WS. PU and RIH with 4-3/4" bit and scraper on 2-7/8" WS to 6500'. POOH and LD bit, scraper.
4. PU and RIH 2" csg gun with premium charge and CCL. Correlate depth with the *Depth Control (Correlation) Log run by CRC Wireline on 2-21-84*. Selectively perforate the following intervals with 1 spf and 120 degree phasing as follows.

Tubb/Drinkard: 6499', 6501', 6524', 6526',
6528', 6530', 6599', 6601',
6603', 6605', 6634', 6636',
6654', 6657', 6687', 6689'
(Total: 190' gross, 16' net, 16 holes)

5. PU and RIH with 4" treating packer on 2-7/8" WS to 6450'. **Set packer at 6450'** and test tool. Test annulus/casing to 3000 psig. *Note: packer must have landing nipple assembly for Omega Plug.*
6. MIRU acid company. Test lines to 5500 psig. Load TCA with brine and monitor during acid treatment (500 psig maximum). Acidize new & existing perfs from 6499' – 6922' with **3000 gal of 20% 90/10 acid** (acid/xylene) while spacing **55 1.3 SG ballsealers** according to the following schedule. **Max treating rate/pressure: 5 bpm / 5000 psi.**
 - a. Load tubing with brine and establish injection
 - b. Pump 500 gal acid
 - c. Pump 2500 gal acid while dropping 55 1.3 SG ball sealers evenly throughout
 - d. Flush to bottom perf with brineRecord ISIP, 5 min, 10 min, and 15 min shut-in pressures. RDMO acid company.
7. MIRU frac company. NU 10k frac valve. Test lines to 8500 psig. (XTO to provide 166,000 gal fresh water plus tank bottoms total for both fracs, and fresh water for annulus; 9-10 frac tanks) Load backside with FW and test packer (set backside pop-off at 3250 psig). Monitor during job.



Dauron #1

OAP, Sand Frac Blinebry/Tubb/Drinkard

Lea County, New Mexico

April 8, 2011

8. Frac the **Tubb/Drinkard** perfs (6499' – 6922') with 73,000 gal of 20# crosslinked gel carrying 100,000 lbs of 20/40 resin coated sand via 2-7/8" WS. Sand should contain BJ ParaSorb chemical to mitigate paraffin. **Max treating pressure = 7500 psig, Max casing pressure = 3000 psig.** Treat at 30 BPM with according to the following pump schedule.

STAGE	STAGE DESC.	CLEAN VOLUME GALS	SAND PPG	PROPPANT TYPE	FLUID	SAND VOLUME LBS
1.01	Prepad	2,500	0		Slickwater	0
1.02	Acid	3,000	0		20% 90/10 ACID/XYLENE	0
1.03	Displace	2,500	0		Slickwater	0
1.04	Pad	33,000	0		20# X-Linked Gel	0
1.05	Prop Fluid	8,000	1	Super LC 20/40	20# X-Linked Gel	8,000
1.06	Prop Fluid	12,000	2	Super LC 20/40	20# X-Linked Gel	24,000
1.07	Prop Fluid	12,000	3	Super LC 20/40	20# X-Linked Gel	36,000
1.08	Prop Fluid	8,000	4	Super LC 20/40	20# X-Linked Gel	32,000
1.09	Flush	1,550	0		Slickwater	0
TOTAL	(1965 bbls)	82550				100,000

Flush 1 bbl short of top perf. SI and obtain ISIP, 5 min, 10 min & 15 min SI pressures.

9. Shut in for 1 hour following frac stage 1. Drop Omega Plug down tubing and pump at 1-3 bpm until plug lands in 1.88" baffle. Pressure up to 1000 psig to land and test plug. Bleed off tubing pressure and release from XL overshot.

10. POOH with 2-7/8" WS.

11. PU and RIH 2" csg gun with premium charge and CCL. Correlate depth with the *Depth Control (Correlation) Log* run by CRC Wireline on 2-21-84. Selectively perforate the following intervals with 1 spf and 120 degree phasing as follows.

Blinebry:

6001', 6003', 6005', 6007', 6009', 6011',
 6048', 6050', 6052', 6054', 6056', 6058',
 6096', 6098', 6177', 6179', 6193', 6195',
 6197', 6199', 6258', 6260', 6273', 6275',
 6353', 6355', 6363', 6365', 6371', 6372
 (Total: 428' gross, 30' net, 30 holes)



Dauron #1

OAP, Sand Frac Blinebry/Tubb/Drinkard

Lea County, New Mexico

April 8, 2011

12. PU and RIH with 4" treating packer on 2-7/8" WS to 5900'. **Set packer at 5900'** and test tool. Test annulus/casing to 3000 psig.
13. Frac the **Blinebry perfs (6001 – 6372')** with 73,000 gal of 20# crosslinked gel carrying 100,000 lbs of 20/40 resin coated sand via 2-7/8" WS. Sand should contain BJ ParaSorb chemical to mitigate paraffin. **Max treating pressure = 7500 psig, Max casing pressure = 3000 psig.** Treat at 30 BPM with according to the following pump schedule.

STAGE	STAGE DESC.	CLEAN VOLUME GALS	SAND PPG	PROPPANT TYPE	FLUID	SAND VOLUME LBS
2.01	Prepad	2,500	0		Slickwater	0
2.02	Acid	3,000	0		20% 90/10 ACID/XYLENE	0
2.03	Displace	2,500	0		Slickwater	0
2.04	Pad	33,000	0		20# X-Linked Gel	0
2.05	Prop Fluid	8,000	1	Super LC 20/40	20# X-Linked Gel	8,000
2.06	Prop Fluid	12,000	2	Super LC 20/40	20# X-Linked Gel	24,000
2.07	Prop Fluid	12,000	3	Super LC 20/40	20# X-Linked Gel	36,000
2.08	Prop Fluid	8,000	4	Super LC 20/40	20# X-Linked Gel	32,000
2.09	Flush	1,442	0		Slickwater	0
TOTAL	(1963 bbls)	82442				100,000

Flush 1 bbl short of top perf. SI and obtain ISIP, 5 min, 10 min & 15 min SI pressures.

14. ND Frac tree. RDMO frac company.

15. Run steel lines to tank. Gradually flowback Blinebry perforations to tank until well dies. Start flowback with an 8 – 14 choke in order to reduce proppant flowback. Report results to Midland.

16. Release top packer. POOH with 2-7/8" WS and LD packer.

17. RIH with 2-7/8" WS and packer release tool to 6450'. Circulate sand off top of packer and circulate well clean. Latch on and shift packer bypass. Flowback Tubb/Drinkard zone to tank until well dies. Report results to Midland.

18. POOH with WS and LD packer.

19. RIH with 2-7/8" production tubing and pump sized for 250 BFPD, or based on swab/flowback results. Set EOT at 5950'. ND BOP. NU WH. RIH with rods & pump.

20. RDMO PU. Put well in test. (Note: Pump will be lowered to 6600' following cleanup of the well in ~1-2 months.)

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

HOBBS OCD

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

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

MAY 02 2011

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-06338	² Pool Code 60240	³ Pool Name Tubb OIL + GAS (OIL)
⁴ Property Code 18305	⁵ Property Name Dauron	⁶ Well Number 1
⁷ OGRID No. 005380	⁸ Operator Name XTO Energy, Inc.	⁹ Elevation 3516' GL

¹⁰ Surface Location

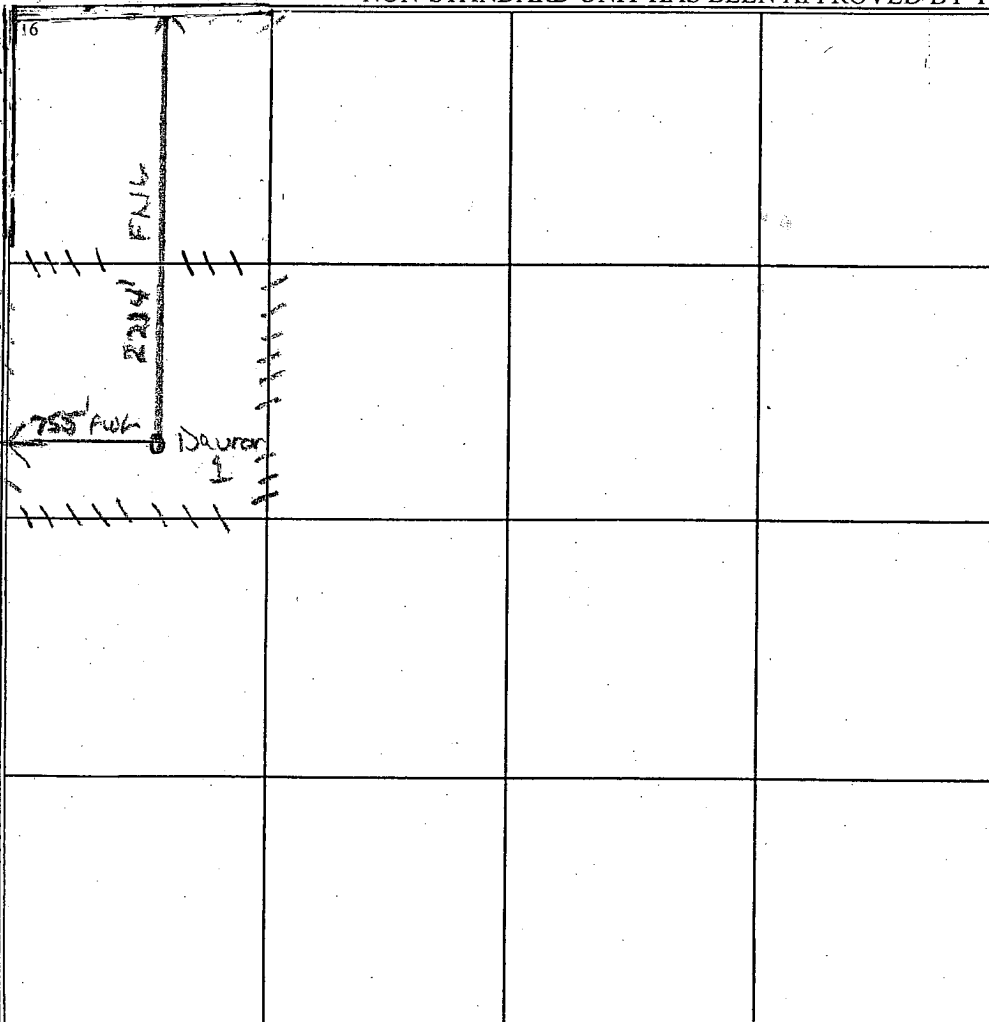
UL or lot no. E	Section 1	Township 21S	Range 37E	Lot. Idn 5	Feet from the 2214	North/South line North	Feet from the 755	East/West line West	County Lea
--------------------	--------------	-----------------	--------------	---------------	-----------------------	---------------------------	----------------------	------------------------	---------------

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
---------------	---------	----------	-------	----------	---------------	------------------	---------------	----------------	--------

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
-------------------------------------	-------------------------------	----------------------------------	-------------------------

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: <u>Patty Urias</u> Date: <u>4/27/11</u> Printed Name: <u>Patty Urias</u>
	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

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

Form C-102
Revised October 12, 2005

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-06338	² Pool Code 06660	³ Pool Name Blineberry O/L + GAS (OIL)
⁴ Property Code 18305	⁵ Property Name Dauron	⁶ Well Number 1
⁷ OGRID No. 005380	⁸ Operator Name XTO Energy, Inc.	⁹ Elevation 3516' GL

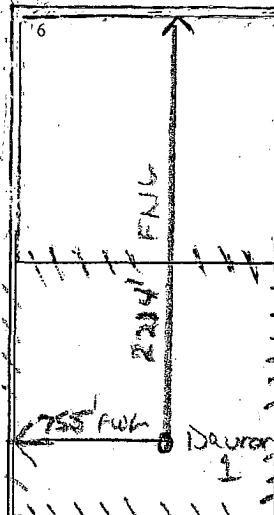
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	1	21S	37E	5	2214	North	755	West	Lea

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
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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

	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: <u>Patty Urias</u> Date: <u>4/27/11</u> Printed Name: <u>Patty Urias</u>		
	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		

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

HOBBS OCD

OIL CONSERVATION DIVISION

MAY 02 2011

1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

RECEIVED
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-06338		² Pool Code 19190	³ Pool Name Drinkard
⁴ Property Code 18305	⁵ Property Name Dauron		⁶ Well Number 1
⁷ OGRID No. 005380	⁸ Operator Name XTO Energy, Inc.		⁹ Elevation 3516' GL

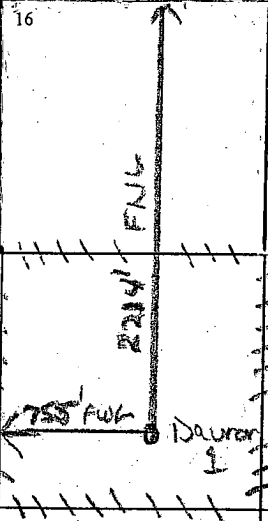
¹⁰ Surface Location

UL or lot no. E	Section 1	Township 21S	Range 37E	Lot. Idn 5	Feet from the 2214	North/South line North	Feet from the 755	East/West line West	County Lea
--------------------	--------------	-----------------	--------------	---------------	-----------------------	---------------------------	----------------------	------------------------	---------------

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
¹² Dedicated Acres 40		¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.					

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: <u>Patty Urias</u> Date: <u>4/27/11</u> Printed Name: <u>Patty Urias</u>			
	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			