

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

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APR 05 2010

HOBBSOCD

Submit 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 18305		³ API Number 30- 025-30320
⁵ Property Name Dauron		⁶ Well No 4
⁹ Proposed Pool 1 Blinebry / Tubb		¹⁰ Proposed Pool 2 Drinkard

⁷ Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
G	1	21S	37E		2214'	North	1980'	East	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

Additional Well Location

¹¹ Work Type Code P	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3548' GL
¹⁶ Multiple Yes-Downhole Commingle	¹⁷ Proposed Depth 7850' TD	¹⁸ Formation ABO	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"/> mls 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
12 1/4"	8 5/8"	24#	1648'	700 sxs	Unknown
7 7/8"	5 1/2"	15# & 17#	7850'	1025 sxs	Unknown

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.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

Well is currently producing.

Production zone currently is: ABO

Proposed Zone: Blinebry, Tubb & Drinkard. Proposed PBTD is 7090' & CIBP @ 7120'

Formation @ TD: ABO

*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 NMOCD guidelines ☐ a general permit ☒, or an (attached) alternative OCD-approved plan ☐.
Signature: *Kristy Ward*

Printed name: Kristy Ward

Title: Regulatory Analyst

E-mail Address: kristy.ward@xtoenergy.com

Date: 3/22/10

Phone: 432-620-6740

OIL CONSERVATION DIVISION

Approved by:

Title:

PETROLEUM ENGINEER

Approval Date: APR 08 2010

Expiration Date.

Conditions of Approval: Approval to drill & test all new zones separate, but cannot produce Downhole commingle until DHC is approved in Hobbs District office according to R-11363

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

APR 05 2010

HOBBSDO

Form C-102
Revised October 12, 2005

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-30320		² Pool Code 06660	³ Pool Name Blinebry 8.10 Gas (oil)
⁴ Property Code 18305	⁵ Property Name Dauron		⁶ Well Number 4
⁷ OGRID No 005380	⁸ Operator Name XTO Energy, Inc.		⁹ Elevation 3548' GL, 3565' KB

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
G	1	21S	37E		2214'	North	1980'	East	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.
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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

<div style="text-align: center;"> </div>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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</p> <p><i>Kristy Ward</i> 03/22/10 Signature Date</p> <p>Kristy Ward Printed Name Regulatory Analyst</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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</p> <p>_____ Date of Survey</p> <p>_____ Signature and Seal of Professional Surveyer</p> <p>_____ Certificate Number</p>

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☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-30320	² Pool Code 60240	³ Pool Name Tubb Oil & Gas Co.
⁴ Property Code 18305	⁵ Property Name Dauron	⁶ Well Number 4
⁷ OGRID No 005380	⁸ Operator Name XTO Energy, Inc.	⁹ Elevation 3548' GL, 3565' KB

¹⁰ Surface Location

UL or lot no G	Section 1	Township 21S	Range 37E	Lot Idn	Feet from the 2214'	North/South line North	Feet from the 1980'	East/West line East	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
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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		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

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-30320		² Pool Code 19190		³ Pool Name Drinkard	
⁴ Property Code 18305		⁵ Property Name Dauron			⁶ Well Number 4
⁷ OGRID No 005380		⁸ Operator Name XTO Energy, Inc.			⁹ Elevation 3548' GL, 3565' KB

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
G	1	21S	37E		2214'	North	1980'	East	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.
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	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



Dauron #4

**Plug Back, OAP, Sand Frac Drinkard/Tubb/Blinbry
Lea County, New Mexico
February 8, 2010**

ELEVATION:	GL – 3548’ KB – 3565’	TD – 7850’ PBSD – 7809’ (fill)
WELL DATA:		
Current Status:	Abo Producer: Last test – 1/13/2010 2 oil / 4 water / 4 mcf	
Surface Casing:	8-5/8” 24 ppf J-55. Set at 1648’. Cemented with 700 sx. TOC at surface.	
Prod. Casing:	5-1/2” 15.5 & 17 ppf K-55. Set at 7850’. Cemented with 1025 sx. TOC unknown.	
COMPLETION:		
Perfs:	7210 – 7790’ Abo (122’ perfs, 122 holes) 4/88	
OBJECTIVE:	Plug Back Abo, OAP and Sand Frac Drinkard/Tubb/Blinbry	

RECOMMENDED PROCEDURE

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

This well is a PRIVATE well

1. Notify land owner of intent to move on location.
2. MIRU PU. POOH with pump and rods. ND WH. NU BOP. POOH with tubing.
3. RIH with 5-1/2” CIBP. Set CIBP at 7120’. Dump 3 sx Class “C” cement on top of CIBP (New PBSD should be 7090’). Test casing to 3000 psig.
4. Perforate the following intervals with 1 spf and 120 degree phasing as follows: Drinkard 6908 – 7005’ (25’, 29 holes).
5. PU and RIH with 5-1/2” treating packer on 2-7/8” WS. Set packer @ 6825’ and breakdown perfs from 6908 – 7005’ with 3000 gals of 15% HCL NEFE acid
6. Shut well in for two hours. POOH with WS and packer.
7. MIRU Frac company. NU frac valve. Test lines to 4000 psig. Frac the Drinkard perfs (6908 – 7005’) via 5-1/2” casing with cross-linked gel and 60,000 lbs 20/40 white sand and 40,000 lbs 20.40 CRC sand.
8. Set composite bridge plug @ 6850’. Perforate the following intervals with 1 spf and 120 degree phasing as follows:

Tubb:	6593 – 6620’ (12’, 14 holes)
Drinkard:	6662 – 99’ (12’, 15 holes)



Dauron #4

**Plug Back, OAP, Sand Frac Drinkard/Tubb/Blinebry
Lea County, New Mexico
February 8, 2010**

Frac Drinkard/Tubb perfs (6593 – 6699') via 5-1/2" csg with cross-linked gel and 60,000 lbs 20/40 white sand and 40,000 lbs 20/40 CRC sand.

9. Set composite bridge plug at 6480'. Perforate the following intervals with 1 spf and 120 degree phasing as follows.

Blinebry: 6172 – 6288' (23', 28 holes)

Frac Blinebry perfs (6172 – 6288') via 5-1/2" csg with cross-linked gel and 51,250 lbs 20/40 white sand and 33,750 lbs 20/40 CRC sand.

10. Set composite bridge plug at 6130'. Perforate the following intervals with 1 spf and 120 degree phasing as follows.

Blinebry: 6011 – 89' (22', 27 holes)

Frac Blinebry perfs (6011 – 6089') via 5-1/2" csg with cross-linked gel and 45,000 lbs 20/40 white sand and 30,000 lbs CRC sand. SI overnight. RDMO frac and WL company.

11. RU foam air unit. Drill out composite bridge plug. Continue in hole to 2nd composite bridge plug at 6480' and drill out. Continue to 3rd composite bridge plug at 6850' and drill out to CIBP at 7090'. POOH WS and LD bit. RD foam air unit.

12. RIH with SN and WS. Swab to determine flow rate. RD swab. POOH LD WS.

13. RIH with pump. ND BOP. NU WH. RIH with rods.

14. RDMO PU. Put well in test.

DAURON #4 WELLBORE DIAGRAM "Current"

Lufkin Mark II 640-305-144

DATA

LOCATION: 2214' FNL & 1980' FEL, UNIT G, SEC 1, T21S, R37E
COUNTY/STATE: LEA COUNTY, NEW MEXICO
FIELD: WANTZ FIELD
FORMATION: ABO
SPUD DATE: 3/22/88 **COMPLETION DATE:** 6/88 (ABO)
IP: P. 48 BO, 0 BW, 58 MCF (ABO, 7210'-7790') 6/88
NMOCD LEASE #: 002182 **API #:** 30-025-30320 **CTOC WELL #:** 59915
PRODUCTION METHOD: SI
NOTE: WELL SI 6/1/94 - UNECONOMICAL

HISTORY

03/22/88: BRAVO ENERGY, INC. SPURRED 12-1/4" HOLE.
04/06/88: TD 7-7/8" HOLE @ 7850'. RAN LOGS.
04/07/88: RAN 5-1/2" CSG & CMT'D TOC UNKNOWN (FULL CIRC).
04/13/88: PERF'D ABO 7565', 78', 80', 82', 84', 86', 89', 92', 7600', 15', 22', 41', 44', 48', 52', 54', 56', 62', 64', 66', 68', 70', 81', 94', 96', 98', 7700', 02', 04', 16', 18', 20', 22', 38', 40', 42', 64', 66', 70', 72', 74', 80', 84', 86', 88' & 90' (46 HOLES) W/CSG GUN. SPOTTED 250 GALS 15% NEFE ACROSS PERFS. BROKE DWN.
04/14/88: A 7565'-7790' W/5000 GALS 15% NEFE ACID W/100 BS. GOOD BALL ACTION BALLED OUT. AIR 4 BPM. ATP 4500 PSIG. ISIP 3400 PSIG, 15" SIP - 3200 PSIG.
04/15/88: SWBD. 1ST RUN 90% OIL. BFL 6000' FS. SET CIBP @ 7548'. CAPPED W/2SX CMT. PERF'D ABO 7210', 12', 20', 24', 34', 36', 38', 40', 42', 50', 52', 54', 59', 70', 72', 74', 76', 79', 83', 89', 93', 7300', 02', 04', 06', 08', 10', 12', 14', 16', 18', 20', 22', 26', 34', 36', 38', 40', 44', 46', 48', 52', 54', 56', 58', 60', 64', 66', 68', 72', 74', 76', 89', 91', 7401', 10', 12', 15', 24', 26', 34', 36', 48', 50', 52', 73', 86', 88', 90', 92', 94', 96', 7500', 02', 04' & 06' (76 HOLES) W/CSG GUN.
04/16/88: SPOTTED 250 GALS ACID ACROSS PERFS. BROKE DWN. A 7210'-7506' W/7250 GALS 15% NEFE W/BS AIR 4.4 BPM ATP 4950 PSIG. ISIP 3700 PSIG, 15" SIP - 3140 PSIG.
04/19/88: S. 45 BO, 25 BW, 10 HRS.
04/20/88: A 7210'-7506' W/12,000 GALS 20% HCL ACID & 36 TONS CO₂. AIR 11 BPM. ATP 6750 PSIG.
06/07/88: SIBP 1290 PSIA @ 7512'. SI 167 HRS.
06/10/88: DRLD OUT CMT & CIBP @ 7548'. RAN TO PBTD 7809'.
06/11/88: RAN TBG. SN 7709'? RAN PMP & RODS.
06/??/88: IPP. 48 BO, 0 BW, 58 MCF (ABO, 7210'-7790')
01/23/89: NABLA SURVEY. PIP 30 PSI. PPG 20 BFPD. SN @ 7739'.
06/01/94: SI. UNECONOMICAL - 1.5 BOPD, 1 MCFPD.
06/28/06: POH & LD RODS & PMP. PMP 70 BBLS 9# BRINE WTR DWN TBG TO CLEAN PARAFFIN. TAG FILL @ 7,731'.
06/30/06: DO SCALE & IRON SULFIDE TO PBTD @ 7,809'. CIRC WELL CLEAN.
07/06/06: ACDZ ABO PERFS (7,210' TO 7,790') W/5,000 GALS 20% NEFE 90/10 ACID. DROP 10 - 1.3 SG 7/8" BS EVERY 6 BBLS GOOD BALL ACTION FLUSH TO BTM PERF W/ 57 BBLS 9# BRINE. AIR - 4.1 BPM. AIP - 3,522 PSIG. ISIP - 3,050 PSIG. 5" SIP - 2,798 PSIG. 10" SIP - 2,708 PSIG. 15" SIP - 2,638. MAX/ MIN PRESS - 3,694/3,384 PSIG SWB WELL REC 101 BW. SMALL GAS SHOW ON LAST 5 RUNS. BFL - 100' FS. FFL - 1,900' FS.
08/01/06: FOUND BACKED OFF 3/4" ROD 284 RODS FS. RWTP.

ELEV: KB 3565'
 GL 3548'
 CORR 17'

8- 5/8" 24# J 55 @ 1648'.
 CMT'D W/ 700 SX. CIRC 155 SX.

Tbg Detail 8/2/06:

2-7/8" Perf Sub, 2-3/8" 4.7# Tbg Sub, 222 jts 2-7/8" 6.5# Sub, 20 jts 2-7/8" 6.5# J-55 EUE 8rd tbg. SN @ 7805'. TAC @ 7129'. EOT @ 7792'.

Pmp & Rod Detail 8/2/06:

1-1/2" x 1" strainer nipple, 2.5" x 1.50" pmp, 7/8" x 4' stabilizer rod, 8 - 1-1/2" K-bars, 99 - 3/4" D-78 sucker rods, 103 - 7/8" D-78 sucker rods, 99 - 1" sucker rods, 1 - 1" x 8' pony rod, 2 - 1" x 6' pony rods, 1 - 1" x 4' pony rod, 1 - 1" x 2' pony rod & 1 - 1-1/2" x 26' SM PR.

7210'- 7790' (ABO)

5- 1/2" 15.5 & 17# K 55 @ 7850'.
 CMT'D W/ 1025 SX.

12- 1/4" HOLE

TOC UNKNOWN

7- 7/8" HOLE

PBTD: 7809'
 TD: 7850'

DAURON #4 WELLBORE DIAGRAM "Proposed"

Lufkin Mark II 640-305-144

DATA

LOCATION: 2214' FNL & 1980' FEL, UNIT G, SEC 1, T21S, R37E
COUNTY/STATE: LEA COUNTY, NEW MEXICO
FIELD: WANTZ FIELD
FORMATION: ABO
SPUD DATE: 3/22/88 **COMPLETION DATE:** 6/88 (ABO)
IP: P. 48 BO, 0 BW, 58 MCF (ABO, 7210'-7790') 6/88
NMOCD LEASE #: 002182 **API #:** 30-025-30320 **CTOC WELL #:** 59915
PRODUCTION METHOD: SI
NOTE: WELL SI 6/1/94 - UNECONOMICAL

HISTORY

03/22/88: BRAVO ENERGY, INC. SPURRED 12-1/4" HOLE.
04/06/88: TD 7-7/8" HOLE @ 7850'. RAN LOGS.
04/07/88: RAN 5-1/2" CSG & CMT'D. TOC UNKNOWN (FULL CIRC).
04/13/88: PERF'D ABO 7565', 78', 80', 82', 84', 86', 89', 92', 7600', 15', 22', 41', 44', 48', 52', 54', 56', 62', 64', 66', 68', 70', 81', 94', 96', 98', 7700', 02', 04', 16', 18', 20', 22', 38', 40', 42', 64', 66', 70', 72', 74', 80', 84', 86', 88' & 90' (46 HOLES) W/CSG GUN. SPOTTED 250 GALS 15% NEFE ACROSS PERFS BROKE DWN.
04/14/88: A 7565'-7790' W/5000 GALS 15% NEFE ACID W/100 BS. GOOD BALL ACTION. BALLED OUT. AIR 4 BPM. ATP 4500 PSIG. ISIP 3400 PSIG, 15" SIP - 3200 PSIG.
04/15/88: SWBD. 1ST RUN 90% OIL. BFL 6000' FS. SET CIBP @ 7548' CAPPED W/2SX CMT. PERF'D ABO 7210', 12', 20', 24', 34', 36', 38', 40', 42', 50', 52', 54', 59', 70', 72', 74', 76', 79', 83', 89', 93', 7300', 02', 04', 06', 08', 10', 12', 14', 16', 18', 20', 22', 26', 34', 36', 38', 40', 44', 46', 48', 52', 54', 56', 58', 60', 64', 66', 68', 72', 74', 76', 89', 91', 7401', 10', 12', 15', 24', 26', 34', 36', 48', 50', 52', 73', 86', 88', 90', 92', 94', 96', 7500', 02', 04' & 06' (76 HOLES) W/CSG GUN.
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04/19/88: S 45 BO, 25 BW, 10 HRS.
04/20/88: A 7210'-7506' W/12,000 GALS 20% HCL ACID & 36 TONS CO₂. AIR 11 BPM. ATP 6750 PSIG.
06/07/88: SIBP 1290 PSIA @ 7512'. SI 167 HRS.
06/10/88: DRLD OUT CMT & CIBP @ 7548'. RAN TO PBTD 7809'.
06/11/88: RAN TBG. SN 7709'? RAN PMP & RODS.
06/??/88: IPP. 48 BO, 0 BW, 58 MCF (ABO, 7210'-7790').
01/23/89: NABLA SURVEY. PIP 30 PSI. PPG 20 BFPD. SN @ 7739'
06/01/94: SI. UNECONOMICAL - 1.5 BOPD, 1 MCFPD.
06/28/06: POH & LD RODS & PMP. PMP 70 BBLS 9# BRINE WTR DWN TBG TO CLEAN PARAFFIN. TAG FILL @ 7,731'.
06/30/06: DO SCALE & IRON SULFIDE TO PBTD @ 7,809'. CIRC WELL CLEAN.
07/06/06: ACDZ ABO PERFS (7,210' TO 7,790') W/5,000 GALS 20% NEFE 90/10 ACID. DROP 10 - 1.3 SG 7/8" BS EVERY 6 BBLS. GOOD BALL ACTION. FLUSH TO BTM PERF W/ 57 BBLS 9# BRINE. AIR - 4.1 BPM. AIP - 3,522 PSIG. ISIP - 3,050 PSIG. 5" SIP - 2,798 PSIG. 10" SIP - 2,708' PSIG. 15" SIP - 2,638. MAX/ MIN PRESS - 3,694/3,384 PSIG. SWB WELL REC 101 BW. SMALL GAS SHOW ON LAST 5 RUNS BFL - 100' FS FFL - 1,900' FS.

ELEV: KB 3565'
 GL 3548'
 CORR 17'

12- 1/4"
 HOLE

8- 5/8" 24# J 55 @ 1648'.
 CMT'D W/ 700 SX. CIRC 155 SX.

TOC
 UNKNOWN

7- 7/8" HOLE

PROPOSED PERFS:

6011 - 6288' Blinebry
 6593 - 6620' Tubb
 6662 - 7005' Drinkard

CIBP @ 7120' w/ 30' cmt

7210 - 7790' Abo

PBTD: 7809'
 TD: 7850'

5- 1/2" 15.5 & 17# K-55 @ 7850'.
 CMT'D W/ 1025 SX.

W:\WELL SKETCHES\DAURON LEASE\DAURON #4

REVISED 8/17/06
 Page 1 of 2