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
MAY 02 2011
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State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-101
May 27, 2004

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	[2] OGRID Number
XTO Energy, Inc. 200 N. Loraine, Ste. 800 Midland, TX 79701	005380
	[3] API Number 30- 025-30835

[4] Property Code	[5] Property Name	[6] Well No.
18305	Dauron	5

[9] Proposed Pool 1	[10] Proposed Pool 2
~~Tubb~~/Drinkard TUBB OIL + GAS (OIL)	Blineberry OIL + GAS (OIL)

[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
F	1	21S	37E	6	2214	North	2310 1650	West	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	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
P	O		P	3532' GL
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
Yes-Downhole Commingle	7730' TD	Abo	N/A	Orig Date

Depth to ground water	Distance from nearest fresh water well	Distance from nearest surface water
No record found	+1000'	+1000'

Pit: Liner: Synthetic ☐ _____ mils thick Clay ☐ Pit Volume _____ bbls Drilling Method:

Closed-Loop System ☐ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

[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#	1594'	430sxs	surface
7 7/8"	5 1/2"	15.5#, 17#	7726'	1300sxs	2530' 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: Abo
Proposed Zone: Tubb, Drinkard & Blineberry. Proposed PBTD is 7701'
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: Patty Urias

Printed name: Patty Urias

Title: Regulatory Analyst

E-mail Address: patty_urias@xtoenergy.com

Date: 4/28/11 Phone: 432-620-4318

OIL CONSERVATION DIVISION

Approved by:

Title: PETROLEUM ENGINEER

Approval Date: 05/02/11 Expiration Date:

Conditions of Approval:

Attached ☐

MAY 04 2011

XTO ENERGY

Dauron #5
OAP, Sand Frac Blinebry/Drinkard/Tubb
Lea County, New Mexico
April 4, 2011

ELEVATION:	GL – 3532'	TD – 7730'
	KB – 3548'	PBTD – 7646' (fill)
WELL DATA:		
Current Status:	Abo Producer: Last test – 2/15/2011: 7 BO / 1 BW / 5 MCF	
Surface Casing:	8-5/8" 24# J-55 set at 1594'. Cemented with 430 sx (TOC surface).	
Production Casing:	5-1/2" 15.5/17# J-55 set at 7726'. Cemented with 1300 sx (TOC 2530')	
Tubing:	217 jts 2-7/8" 6.5 ppf J-55 prod tbg, 5-1/2" TAC, 22 jts 2-7/8" tbg, SN, 1 jt 2-7/8" BPMA landed @7612' (SN @ 7592')	
Rods:	1-1/4" x 16' SMPR, 4' x 7/8" sub, 108 – 7/8" D WCN78, 180 – 3/4" KD, 15 – 7/8" D WCN78 rods, 2-1/2" x 1-1/3" x 16' RHBC w/ 6' Stanley filter	
COMPLETION:		
Perfs:	7087 – 7642' Abo (156' perfs, 156 holes)	6/90
OBJECTIVE:	OAP and Sand Frac Blinebry/Tubb/Drinkard	

RECOMMENDED PROCEDURE

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

This well is a PRIVATE well

1. MIRU PU. POOH with pump and rods.
2. ND WH. NU 10,000 psi hydraulic BOP. POOH with 2-7/8" production tubing.
3. PU and RIH with 4-3/4" bit and scraper on 2-7/8" tubing to 7100'. POOH and LD bit and scraper.
4. RIH with 5-1/2" RBP and ball catcher on 2-7/8" tubing. **Set RBP at 7050'.** Test RBP and casing to 3000 psig with brine for 10 min.
5. PU and RIH Halliburton 2" csg gun with premium charges, gamma ray tool and CCL. Correlate depth with the *Compensated Neutron Litho-Density by Schlumberger on*

05/20/1990. Selectively perforate the following intervals with 1 spf and 120 degree phasing as follows.

Tubb/Drinkard: 6547', 6549', 6551', 6565', 6567', 6569', 6571', 6593', 6595', 6628', 6630', 6632', 6641', 6643', 6645', 6674', 6676', 6678', 6688', 6690', 6869', 6871', 6873', 6875', 6892', 6894', 6896', 6922', 6924', 6934', 6936', 6938', 6960', 6962', 6964', 6966'
(Total: 419' gross, 36' net, 36 holes)

6. MI and rack 6500' of 3-1/2" N80 WS. PU and RIH with tandem Halliburton 5-1/2" treating packers on 3-1/2" WS to 6490'. **Set lower packer at 6490'** and test tool. *Note: lower packer must have landing nipple assembly for Omega Plug.*

7. MIRU acid company. Test lines to 5500 psig. Load TCA with brine and monitor during acid treatment (500 psig maximum). Acidize perfs from 6547' – 6966' 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 brine

   Record ISIP, 5 min, 10 min, and 15 min shut-in pressures. RDMO acid company.

8. MIRU frac company. NU 10k frac valve. Test lines to 8500 psig. (XTO to provide 168,000 gal fresh water plus tank bottoms total for both fracs, and fresh water for annulus; 9-10 frac tanks) Load backside with FW and pressure up to 3000 psig (set backside pop-off at 3250 psig). Monitor during job.

XTO ENERGY

Dauron #5
OAP, Sand Frac Blinebry/Drinkard/Tubb
Lea County, New Mexico
April 4, 2011

9. Frac the **Tubb/Drinkard perfs (6547 – 6966')** with 73,000 gal of 25# crosslinked gel carrying 100,000 lbs of 20/40 Super LC sand via 3-1/2" WS. Sand should contain BJ ParaSorb chemical to mitigate paraffin. **Max treating pressure = 7500 psig, Max casing pressure = 3000 psig.** Treat at 35 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		25# X-Linked Gel	0
1.05	Prop Fluid	8,000	1	Super LC 20/40	25# X-Linked Gel	8,000
1.06	Prop Fluid	12,000	2	Super LC 20/40	25# X-Linked Gel	24,000
1.07	Prop Fluid	12,000	3	Super LC 20/40	25# X-Linked Gel	36,000
1.08	Prop Fluid	8,000	4	Super LC 20/40	25# X-Linked Gel	32,000
1.09	Flush	2,385	0		Slickwater	0
TOTAL	(1985 bbls)	83385				100,000

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

10. 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.

11. PUH with 3-1/2" WS and top 5-1/2" treating packer to 5970'. **Set upper packer at 5970'** and test tool.

12. RU Lubricator. PU and RIH Halliburton 2" csg gun with premium charges, gamma ray tool and CCL. Correlate depth with the *Compensated Neutron Litho-Density by Schlumberger on 05/20/1990.* Selectively perforate the following intervals with 1 spf and 120 degree phasing as follows.

Blinebry: 6029', 6031', 6033', 6035', 6054', 6056', 6058', 6097', 6099', 6107', 6109', 6111', 6120', 6122', 6126', 6128', 6236', 6238', 6240', 6242', 6244', 6258', 6260', 6262', 6300', 6302', 6304', 6306', 6308', 6310', 6381', 6383', 6385', 6387', 6389'
(Total: 360' gross, 35' net, 35 holes)

13. Frac the **Blinebry perfs (6029 – 6389')** with 73,000 gal of 25# crosslinked gel carrying 100,000 lbs of 20/40 Super LC sand via 3-1/2" WS. Sand should contain BJ ParaSorb chemical to mitigate paraffin. **Max treating pressure = 7500 psig, Max casing pressure = 3000 psig.** Treat at 35 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		25# X-Linked Gel	0
2.05	Prop Fluid	8,000	1	Super LC 20/40	25# X-Linked Gel	8,000
2.06	Prop Fluid	12,000	2	Super LC 20/40	25# X-Linked Gel	24,000
2.07	Prop Fluid	12,000	3	Super LC 20/40	25# X-Linked Gel	36,000
2.08	Prop Fluid	8,000	4	Super LC 20/40	25# X-Linked Gel	32,000
2.09	Flush	2,198	0		Slickwater	0
TOTAL	(1981 bbls)	83198				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 3-1/2" WS and LD packer and 3-1/2" WS. Rack 7100' of 2-7/8" production tubing for WS.

17. RIH with 2-7/8" WS and packer release tool to 6490'. 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" WS and RBP retrieving tool to 7050'. Circulate sand off RBP and circulate well clean. Release RBP, POOH with WS and LD RBP.

20. RIH with 2-7/8" production tubing and pump sized for 250 BFPD, or based on swab/flowback results. Set EOT at 5970'. ND BOP. NU WH. RIH with rods & pump.

21. RDMO PU. Put well in test. (Note: Pump will be lowered to 6800' following cleanup of the well in ~1-2 months.)

Dauron #5
Proposed WBD

LUFKIN C228D-213-86
W/30 HP MOTOR.
6.8 SPM x 74" SL

ELEV: KB 3548'
GL: 3532'
CORR 16'

12-1/4" HOLE

8-5/8" 24# J-55 @ 1594'.
CMT'D W/430SX. CIRC 5SX.

TOC 2530' (TS)

7-7/8" HOLE

DV TOOL @ 5600'.

6029', 6031', 6033', 6035', 6054', 6056', 6058',
6097', 6099', 6107', 6109', 6111', 6120', 6122',
6126', 6128', 6236', 6238', 6240', 6242', 6244',
6258', 6260', 6262', 6300', 6302', 6304', 6306',
6308', 6310', 6381', 6383', 6385', 6387', 6389'
(Blinebry)

6547', 6549', 6551', 6565', 6567', 6569', 6571',
6593', 6595', 6628', 6630', 6632', 6641', 6643',
6645', 6674', 6676', 6678', 6688', 6690', 6869',
6871', 6873', 6875', 6892', 6894', 6896', 6922',
6924', 6934', 6936', 6938', 6960', 6962', 6964',
6966' **(Tubb/Drinkard)**

7087'-7642' **(Abo)**

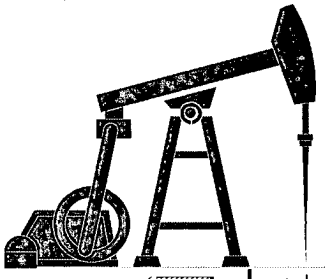
FILL: 7646' (4-20-01)

PBTD: 7701"
TD: 7730'

5-1/2" 15.5# & 17# J-55 @ 7726'.
CMT'D 1ST STG W/550SX & 2ND
STG W/750SX.

DAURON #5

CURRENT WBD



LUFKIN C228D-213-86
W/30 HP MOTOR.
6.8 SPM x 74" SL

ELEV: KB 3548'
GL: 3532'
CORR 16'

12-1/4" HOLE

8-5/8" 24# J-55 @ 1594'.
CMT'D W/430SX. CIRC 5SX.

TOC 2530' (TS)

4-21-01: 217 JTS 2-7/8" 6.5# J-55 8RD EUE TBG, TAC, 22 JTS 2-7/8" TBG, SN, PS & 1 JT 2-7/8" BPMA LANDED @ 7612'. SN @ 7592'. TAC @ 6893'.

4-21-01: 1-¼" X 16' PR, 1-4' X 7/8" PONY, 108 - 7/8" D WCN78, 180 - 3/4" KD& 15 - 7/8" D WCN78 RODS.

7-7/8" HOLE

4-21-01: 2-1/2" x 1-1/4" x 16' RHBC W/ 6' STANLEY FILTER

DV TOOL @ 5600'.

7087'-7642' (ABO)

FILL: 7646' (4-20-01)

5-1/2" 15.5# & 17# J-55 @ 7726'.
CMT'D 1ST STG W/550SX & 2ND STG W/750SX.

PBTD: 7701"
TD: 7730'