Form 3160-5 (April 2004)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

i	FORM APPROVED
NO A TOWN	OMB NO. 1004-0137
OCD-ARTISIA	Expires March 31, 200

5. Lease Serial No.

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

NM-0499988 (BHL) 6. If Indian, Allottee or Tribe Name

The state of the s				
SUBMIT IN TRIPLICATE - Other instructions on reverse side		7. If Unit or CA/Agreement, Name and/or No Nash Unit		
1. Type of Well  X Oil Well Gas Well Other		AUG 1220	0880	8. Well Name and No. Nash Unit #34
2. Name of Operator XTO Energy Inc.		OCD-ARTE	SIA	
3a Address		3b. Phone No. (include ar		9 API Well No. 30-015-33991
200 N. Loraine, Ste. 800 Midland,	ŀ	432-620-6740		10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)				Nash Draw;Delaware/BS
<b>4.6.</b> 1.12 1.12 1.12 1.12 1.12 1.12 1.12 1.				(Avalon Sand)
				11. County or Parish, State
				Eddy County NM
12. CHECK APPROPRIATE	BOX(ES) TO IND	ICATE NATURE OF I	NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION	
X Notice of Intent	Acidize	Deepen	Production	(Start/Resume) Water Shut-Off
	Alter Casing	Fracture Treat	Reclamatio	
Subsequent Report				
	Casing Repair	New Construction	Recomplet	
Final Abandonment Notice	Change Plans	Plug and Abandon		y Abandon <u>Perf lateral</u>
	Convert to Injection	n Plug Back	Water Disp	oosal <u>Frac</u>
0 bjective: Acidize toe section & RWTP with test sub pu	-	multiple Delaware	intervals 8	perform 5 stage frac,
1) MIRU PU. NU BOP. TOH w/ 2-7/8"	production tbg	& sub pump. LD pi	rod tbg & su	ıb pump. RD PU.
2) RU BJ Coiltech. RU WoodGroup L perf intervals @ 1 spf & 50 deg p				
correlation purposes.			ACCEPTED	FOR RECORD
Please see attachment	AUG 12 2008			
	·			puty Field Inspector
14. I hereby certify that the foregoing is true and correct Name ( <i>Printed/Typed</i> )				rict II ARTESIA
Sherry Pack		Regula	tory Analys	t
_ Sherry Pack		Date 7/30/08		APPROVED
THIS	SPACE FOR FEDE	ERAL OR STATE OF	FICE USE	
Approved by		Title		Date ALIC 0 2009
Conditions of approval, if any, are attached. Approval o	f this notice does not wa	rrant or Office		AUG 9 2008
certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations the	those rights in the subje	ct lease	i	

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department on representations as to any matter within its jurisdiction.



# 2) Perf as follows:

7280'-90', 7335'-40' (15', 15 total holes)

7407'-12', 7480'-90', 7570'-75' (15', 15 total holes)

7705'-10', 7730'-40', 7925'-30' (20', 20 total holes)

8010'-15', 8100'-05', 8295'-8300' (15', 15 total holes)

8337'-42', 8395'-8400', 8580'-85' (15', 15 total holes)

8660'-65', 8800'-05', 8835'-40' (15', 15 total holes)

8890'-95', 9020'-25', 9140'-45' (15', 15 total holes)

9180'-85', 9280'-85', 9375'-80' (15', 15 total holes)

9480'-95', (15', 15 total holes)

After perforating, RD BJ Coiltech, WoodGroup Logging Services, crane & lubricator.

- 3) RU PU. Move in & rack 2 7/8" P-110 & 3 ½" P-110 WS.
- 4) RU BJ Tool Services. RIH w/ BJ Hydraulic Multi Stage Packer & Frac Sleeve System as follows. Note: 2 7/8" P-110 WS will be run below AS1X 10K packer set @ +/- 6750' & 3 ½" P-110 WS will be run above O/O tool.

Frac sleeve @ 7385' (2.00" ball seat)

Packer @ +/- 7530'

Frac sleeve @ 7750' (1.75" ball seat)

Packer @ +/- 7970'

Frac sleeve @ 8205' (1.50" ball seat)

Packer @ 8450' (no higher than 8450')

Frac sleeve @ 8697' (1.25" ball seat)

Packer @ 8958'

2 7/8" Hydroport @ 9257'

Packer @ 9525'

Dual Shear Sub with 3/4" & 1" Ball seat

# NOTE: BALL & SEAT SIZES ASSUME THAT EQUIP ID'S ARE BIG ENOUGH TO PASS BALLS. THIS NEEDS TO BE VERIFIED BEFORE EQUIP IS RUN.

5) Drop ¾" ball & set hydraulic packers. Pump out plug. Get injection rate through pump out plug w/ 2% KCL. Put 500 psi on backside.



6) RU BJ Services, Acidize previously frac'd toe with 5000 gal 7 ½" HCL, Drop 1.00" ball in 2000 gal 30# linear gel.

Frac #1 (9020-9495) – 2000 gal 7 ½% HCL, 5000 gal 30# Linear Gel, 88575 gal Spectra Star 3000 containing 5000# 20/40 Econoprop & 101,000# 20/40 Super LC. Drop 1.25" ball. In flush begin w/ 2000 gal 7 ½" HCL & finish flush with 30# linear gel (5000 gal 30# linear gel)

Frac # 2 (8500-8895) - 88575 gal Spectra Star 3000 containing 5000# 20/40 Econoprop & 101,000# 20/40 Super LC. Drop **1.50"** ball. In flush begin w/ 2000 gal 7  $\frac{1}{2}$ " HCL & finish flush with 30# linear gel (5000 gal 30# linear gel)

Frac #3 (8010-8400) –88575 gal Spectra Star 3000 containing 5000 # 20/40 Econoprop & 101,000# 20/40 Super LC. Drop 1.75" ball. In flush begin w/ 2000 gal 7 ½" HCL & finish flush w/ 30# linear gel (5000 gal 30# linear gel)

Frac #4 (7570-7930) –88575 gal Spectra Star 3000 containing 5000 # 20/40 Econoprop & 101,000# 20/40 Super LC. Drop **2.00"** ball. In flush begin w/ 2000 gal 7 ½" HCL & finish flush w/ 30# linear gel (5000 gal 30# linear gel)

Frac #5 (7280-7490) – 88500 gal Spectra Star 3000 containing 5000 # 20/40 Econoprop & 101,000# 20/40 Super LC. Flush with 30# Linear Gel to treating sleeve @ 7385'.

All fracs attempt to get 35 BPM @ 8000 psi max treating pressure. Pumping schedules are attached to procedure. After frac is complete, RD BJ Services & leave well SI overnight.

7) Open well & to flow well to test tank with steel lines.

8) After well quits flowing, RU swab & begin swabbing to assess productivity of well. PAGE 2 OF 3



- 9) Release from O/O tool and POH w/ 3 ½" P-110 WS. LD 3 ½" WS.
- 10) PU 2 7/8" production tbg. RIH w/ appropriate sized sub pump & place intake @ +/- 6400'. RD PU.

### WELLBORE DIAGRAM

#### FIELD: Nash Draw Brushy Canyon

LOC: 2403' FSL & 2102' FEL (Surf.)

TOWNSHIP: 23-S RANGE: 29-E

330' FSL & 400' FEL (Btm Hole)

Circ. to surf.

8 5/8", 32#, J-55 LTC Csg set @ 3115' w/ 1000 sxs cmt. Circ. to surf.

WELL NAME: Nash Draw # 34

SEC: 12

COUNTY: Eddy

STATE: NM

GL: 2982

KB to GL: DF to GL: **FORMATION: Brushy Canyon** 

**CURRENT STATUS: Producing** 

API NO: 30-015-33991

Lease Designation, NM-14140

13 3/8", H-40 STC Surf. Pipe set @ 400' w/ 600 sxs cmt.

Date Completed: 6/20/05

Initial Production: 217 BOPD / 225 BWPD / 230 MCFGPD Initial Formation: Brushy Canyon From: 9585' To: 9630'

Completion Data: Circ to spot 4800 gal 7 1/2% Nefe to end of tbg. Frac w/ 171,000# 16/20 C-Lite, 24,00# 16/20 Ceramax w/ 2000 bbls Clear Wtr Frac Fluid. Placed 40,000# 16/20 C-Lite in form. Screened out.

### Workover History:

12-05-05 Pump 390 bbls 2% KCL acid wtr broke form. Frac dwn csg w/ 214,964# 16/20 Ottwa sd. Avg. Press 1954#, Max Press 2815#, AIR 48.8 BPM ISIP 1050#. Put well on pump. After- 70 BOPd, 265 BWPD, 227 MCFPD.

08-07-06 RIH w/ propellant gun and set @ 8500'-05' and shot 20 holes in zone Set PKR @ 8302' and Frac w/ 37,437# 16/20 Ottowa sd. Well sceened out. Drill out BP and push to bottom. After: TP 120#, CP 720#, 86 BOPD, 307 BWPD, 297 MCFPD.

01/08/07 POH w/ pkr, prod tbg & 9 gas lift valves, RIH w/ WFT400-350 ESP on 199 jts of 2 7/8" 6.5#, J-55 EUE 8 rd tbg, Intake @ 6387', bottom of sub @ 6405.85'. RWTP on 1/10/07

5/15/07 : RU pmp trk. Mix & pmp 10 gals Champion M-154 w/2,000 gals xylene dwn TCA. Flush dwn TCA w/130 bls 3% kcl wtr mixed w/10 gals Champion M-154. Shut well in for 4

7/30/07: Sub locked up. POH w/ sub pump (motor & seals bad), RIH w/ pkr & WS. Set packer @ 6507'. Pmpd 55 gal M154 mixed with 3600 gal Parastim. Flush w/ 10 gal M154 w/ 40 bbls of 2% kcl water. AIR 3 BPM @ 0 psi. RU Swab. Could not swab due to hard paraffin. Pmp 500 gal of Xylene down tbg. Mix 385 gal Flexoil 151 into 84 bbls crude oil & pump down tbg. Flush w/ 400 bbls of 2% KCL down tbg. POH w/ tbg & packer. RIH w/ WFT 400-350 Weatherford ESP on 200 jts 2 7/8" production tbg. Intake @ 6355', bottom of sub @ 6384'. RWTP on 8/8/07.

9/28/07 POH w/ sub pump & tbg, RIH w/ pkr & WS. Set packer @ 6450'. Pump 2000 gal of Xylene mixed with 55 gal of M-154 & 10 gal M-154 mixed with 40 bbls of 2% KCL. Flush with 82 bbls 2% KCL. Swabbed & flowed well for 1.5 days, last hour, flwg 10 bph with 20% oil cut. pumped 7 drums of Flexoil 151 mixed with 80 BO & flushed with 135 bbls 2% KCL Leave well SI over the weekend POH w/ tbg & packer, RIH w/ WFT 400-350 Weatherford ESP on 200 jts 2 7/8" production tbg with 3/8" cap string. Intake @ 6397', bottom of sub @ 6425'. RWTP on 10/8/07.

> Perfs: 8500'-05' 20 boles

> > 4-3/4" Open Hole 9585'-9630'

5 1/2", 17# P-110 (@3830') 128 jts 5 1/2", 17# N-80' Csg Set @ 9584' w/900 sxs cmt Cric. To surf.

TD: 9630' PBTD: 9630' TVD @ 6854.54