

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87401
District II
1301 W. Grand Ave., 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 and Natural Resources
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
June 19, 2008

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> <u>Other Injection</u>	WELL API NO. 30-025-28923 ✓
2. Name of Operator XTO Energy, Inc.	5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
3. Address of Operator 200 N. Loraine, Ste. 800 Midland, TX 79701	6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u>F</u> : <u>2623'</u> feet from the <u>North</u> line and <u>1330'</u> feet from the <u>West</u> line Section <u>4</u> Township <u>22S</u> Range <u>36E</u> NMPM County <u>Lea</u>	7. Lease Name or Unit Agreement Name: Seven Rivers Queen North <u>WW</u> 8. Well Number 10 9. OGRID Number 005380 ✓ 10. Pool name or Wildcat Eunice, Seven Rivers-Queen, South
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: Reperf & Slick Water Frac Queen ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. MI & rack 4000' of 2-7/8" 6.5 ppf L-80 WS. POOH w/2-3/8" injection tbg & pkr. RIH w/4-3/4" bit, 5-1/2" 15.5 ppf csg scraper & 2-7/8" WS. If fill covering any perfs, POOH & LD csg scraper. RIH w/4-3/4" bit on 2-7/8" WS & clean out to PBID w/2% KCL.

Procedure Cont'd. on Next Page

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Kristy Ward

TITLE

Regulatory Analyst

DATE 03/15/10

Type or print name Kristy Ward

E-mail address:

kristy_ward@xtoenergy.com

PHONE 432-620-6740

For State Use Only

APPROVED BY

[Signature]

TITLE

STAFF MGR

DATE

3-22-10

Conditions of Approval (if any):

Condition of Approval: Notify OCD Hobbs
office 24 hours prior to running MIT Test & Chart.



North Seven Rivers Queens #10 WIW
Slick Water Frac Procedure
Lea County, New Mexico
March 15, 2010

ELEVATION: TD – 3970' GL – 3581'
PBTD – 3925'

WELL DATA:

Current Status: Injecting. Current Inj Rate and Pressure: 60 bwipd at 400 psig

Surface Casing: 8-5/8" 24 ppf. Set at 479'. Cemented with 410 sx. TOC at surface.

Prod. Casing: 5-1/2" 15.5 ppf, K-55. Set at 3970'. Cemented with 994 sx. TOC at surface.

Tubing: 117 jts 2-3/8", 4.7 ppf, IPC J-55, 8rd
5-1/2" Baker AD-1 Packer at 3694'

COMPLETION:

Queen Perfs:	3768 – 3772'	(4', 8 holes)	(1/85)
	3796 – 3800'	(4', 8 holes)	(1/85)
	3810 – 3814'	(4', 16 holes)	(11/88)
	3830 – 3834'	(4', 16 holes)	(11/88)
	3840 – 3844'	(4', 16 holes)	(11/88)
	3856 – 3860'	(4', 16 holes)	(11/88)
	3882 – 3886'	(4', 16 holes)	(11/88).
Total:	3768 – 3886'	(28', 96 holes)	

OBJECTIVE: Reperforate & Slick Water Frac Queen; RWTI

RECOMMENDED PROCEDURE

(Verify that anchors have been set and tested per NM OCD and OSHA guidelines)
This is a STATE well.

1. RU wireline company. RIH w/ 3-1/8" perf gun. Perforate the following Queen intervals w/ 3 JSPF 120 degree phasing, .40" hole as follows:
 - a. 3768 – 3772' (4', 12 holes)
 - b. 3796 – 3800' (4', 12 holes)
 - c. 3810 – 3814' (4', 12 holes)
 - d. 3830 – 3834' (4', 12 holes)



North Seven Rivers Queens #10 WIW

Slick Water Frac Procedure

Lea County, New Mexico

March 15, 2010

- e. 3840 – 3844' (4', 12 holes)
 - f. 3856 – 3860' (4', 12 holes)
 - g. 3882 – 3886' (4', 12 holes)
 - h. Total: 28', 84 Holes
2. POOH with wireline and RD wireline company.
3. MI and rack 4000' of 3-1/2" 9.3 ppf N-80, EUE, 8rd workstring.
4. RIH with Peak 5-1/2", 15.5 ppf treating packer and 3-1/2" work string. Load hole with 2% KCl wtr. Pull pkr to 3,886'. Rig up stimulation company. Spot 5 bbls of 15% NEFE 85/15 Acid/xzylene with mutual solvent across newly opened Queen perfs. Pull pkr to 3,660'. Reverse Circulate 5 bbls of 2% KCl. Acidice Queen perfs with 3,000 gals of 15% 85/15 acid/xyl with mutual solvent acid using 3,000 lbs rock salt for diversion. Pump as follows with Max rate 5 BPM/3,000 psi.
- a. Establish Injection rate of 3 BPM with 2% KCl
 - b. 1,000 gals acid
 - c. 1,000 gals 9 ppg brine
 - d. 1,500 gals 9 ppg brine w/ 1 ppg rock salt
 - e. 1,000 gals acid
 - f. 1,000 gals 9 ppg brine
 - g. 1,500 gals 9 ppg brine w/ 1 ppg rock salt
 - h. 1,000 gals acid
 - i. 1,000 gals 2% KCl wtr
 - j. 500 gals xzylene
 - k. Flush to bottom perf w/ 2% KCl
 - l. SWI Overnight
5. Rig up Cudd Well Servicing and slick water frac queen interval from 3,768' – 3,886' as follows: Max Rate/Pressure: 40 BPM/5,000 psi.



North Seven Rivers Queens #10 WIW
Slick Water Frac Procedure
Lea County, New Mexico
March 15, 2010

STAGE	VOLUME GALS	SAND PPG	PROPPANT TYPE	FLUID	SAND VOLUME LBS	CUM SAND LBS	STAGE VOLUME BBLs
1	70000	0		SLICKWATER	0	0	1666.7
2	8000	0.25	20/40 OTTAWA	SLICKWATER	2000	2000	190.5
3	10000	0.5	20/40 OTTAWA	SLICKWATER	5000	7000	243.5
4	10000	0.75	20/40 OTTAWA	SLICKWATER	7500	14500	246.2
5	12000	1	20/40 OTTAWA	SLICKWATER	12000	26500	298.6
6	12000	1.25	20/40 OTTAWA	SLICKWATER	15000	41500	301.9
7	12000	1.5	20/40 OTTAWA	SLICKWATER	18000	59500	305.1
8	6000	1.75	20/40 OTTAWA	SLICKWATER	10500	70000	142.9
9	33.3	0		SLICKWATER	0	70000	0.8
TOTAL	140033.3					70000	3396

6. SWI and record ISIP, 5 min, 10 min, and 15 min pressures. SWI and rig down Cudd.
7. Release packer. POOH and LD 3-1/2" workstring and treating packer.
8. RIH with 4-3/4" bit and 2-7/8" 6.5 ppf L-80 workstring. Clean out to PBTD. Circulate hole clean with 2% KCl. POOH and LD tubing and bit.
9. RIH with 5-1/2" 15.5 ppf injection packer on 2-3/8" 4.7 ppf J-55 IPC tbg. Hydrotest tbg going in hole and set packer at 3694'.
10. ND BOP and NU WH. RDMO PU.
11. Return well to injection. Perform injection profile 3 weeks after return to injection.