

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
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

Form C-103  
May 27, 2004

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

WELL API NO. 30-025-28740
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: North Vacuum Abo Unit
8. Well Number 258
9. OGRID Number 005380
10. Pool name or Wildcat Vacuum; Abo. North

**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 checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	2. Name of Operator XTO Energy, Inc.
3. Address of Operator 200 N. Loraine, Ste. 800 Midland, TX 79701	4. Well Location Unit Letter <u>G</u> : <u>1993</u> feet from the <u>North</u> line and <u>1915</u> feet from the <u>East</u> line Section <u>13</u> Township <u>17S</u> Range <u>34E</u> NMPM County <u>Lea</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

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 COMPLETION ☐  
OTHER: OAP & Stimulation ☒

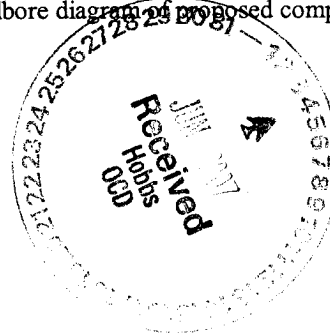
SUBSEQUENT REPORT OF:

- REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND 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. MIRU PU. ND WH. NU BOP. Tag up to determine fill.  
2. TAC @ 8428'. PU 2 7/8" WS and bit. TIH & drill out cement to 8690'.

Procedure cont'd. on next page.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Kristy Ward TITLE Regulatory Analyst DATE 05/31/07  
E-mail address: kristy\_ward@xtoenergy.com  
Type or print name Kristy Ward Telephone No. 432-620-6740

For State Use Only

APPROVED BY Greg W. Wink TITLE FIELD REPRESENTATIVE II/STAFF MANAGER DATE JUN 04 2007  
Conditions of Approval, if any:

**NVAU #258- REVISED  
LEA COUNTY, NEW MEXICO  
MAY 15, 2007**

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**ELEVATION:** PBTD - 8680' KB - 4040'  
TD - 8700' GL - 4022'

**WELL DATA:**

Surface Casing: 13-3/8", 48 ppf, H-40. Set at 400'. Cemented with 400 sx. Circulated.

Inter. Casing: 8-5/8", 32 ppf, S-80 & K-55. Set at 5000'. Cemented with 2300 sx. Circulated

Prod. Liner: 5-1/2", 15.5 # & 17# K-55 liner. Set at 8699'. Cemented with 1050 sx. TOL at 4132'.

**PERFORATIONS:** Abo: 8604'-8616' (20 total holes, 10 net ft)

**OBJECTIVE:** OAP & Stimulation

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**RECOMMENDED PROCEDURE**

1. RU Gray WL. RIH w/ casing guns loaded 2 SPF. Perf following Abo intervals using McCullough Gamma Ray Correlation log ran on 8/8/84 for correlation purposes.

I) 8533'-8540'	7'	14 total holes
II) 8548'-8550'	2'	4 total holes
III) 8555'-8557'	2'	4 total holes
IV) 8572'-8574'	2'	4 total holes
V) 8596'-8610'	14'	28 total holes
VI) 8614'-8617'	3'	6 total holes
VII) 8648'-8654'	6'	12 total holes
VIII) 8659'-8662'	3'	6 total holes
IX) 8666'-8670'	4'	8 total holes
X) 8676'-8678'	2'	4 total holes
VI) 8680'-8684'	4'	8 total holes
Totals	49'	98 total holes

RD Gray WL after perforating

2. TIH w/ packer & 2 7/8" WS. Set packer @ +/- 8625'.

3. **ACID BREAKDOWN (8648'-8684', 19', 38 total)**

Pump 2000 gal (48 bbls) 20% HCL & 75 Ball Sealers @ 6 BPM. After acid is pumped, flush to bottom perf with fresh water.

4. RU swab to determine content (oil cut) of 8648-8684 interval (Zone E). If oil cut is unsatisfactory, then isolate interval with CIBP (instead of RBP on step #13) and proceed with procedure (Step #14). If oil cut is satisfactory, then proceed with Ultragel stimulation on this zone.

5. RU Cudd Pumping Services.

**ULTRAGEL STIMULATION**

Pump 6000 gal (143 bbls) 20% Ultragel @ 8 BPM. Flush to bottom pert with fresh water. Overflush with 30 bbls fresh water.

6. Flow well back with steel lines to frac tanks until well dies.

7. POH with packer & WS.

8. TIH w/ RBP & ball catcher on WS. Set RBP @ +1- 8625'. TOH w/ WS.

9. TIH w/ WS & pkr. TIH below perfs (bottom perf is 8617') to test RBP to 1000 psi. PUH w/ pkr and set pkr @ +/- 8450'.

**ACID BREAKDOWN**

Pump 3000 gal (71 bbls) 15% HCL & 150 Ball Sealers @ 6 BPM. Maximum pressure should be 5000 psi. With new perfs and existing perfs, total number of holes is 80. After acid is pumped, flush to bottom perf with fresh water.

**ULTRAGEL STIMULATION**

Pump 6000 gal (143 bbls) 20% Ultragel & 20 Ball Sealers @ 8 BPM. Drop the 20 Ball Sealers in one grouping after 1500 gallons of the Ultragel has been pumped. Continue pumping the remaining 4500 gallons of Ultragel at 8 BPM. Flush to bottom perf with fresh water. Overflush with 30 bbls fresh water.

10. TIH w/ retrieving head on WS. Latch onto RBP. Release RBP & TOH w/WS & tools. LD WS.

11. TIH w/prod tbg. ND BOP. NU WH. TIH w/rods & pump. RD PU. POP.