

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

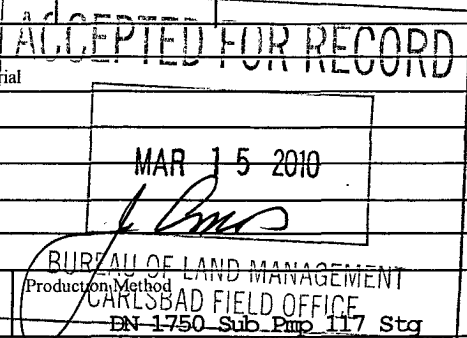
FORM APPROVED  
OMB NO. 1004-0137  
Expires March 31, 2007

RM

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG



1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. SHL: NM 0556863																																																									
b. Type of Completion: <input type="checkbox"/> New Well <input checked="" type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr., Other <u>Horizontal</u>		6. If Indian, Allottee or Tribe Name																																																									
2. Name of Operator XTO Energy Inc.		7. Unit or CA Agreement Name and No.																																																									
3. Address 200 N. Lorraine, Suite 800, Midland, Texas 79701		8. Lease Name and Well No. Nash Unit #42H																																																									
3a. Phone No. (include area code) 432-620-6740		9. API Well No. 30-015-37194																																																									
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SHL: 2015' ENL & 505' FWL (E) BHL: 2015' ENL & 505' FWL (H) At top prod. interval reported below At total depth 10,995'		10. Field and Pool, or Exploratory Nash Draw; Brushy Canyon 47545 11. Sec., T, R, M., or Block and Survey or Area Sec. 18, T23S, R30E, U 1tr (E) 12. County or Parish Eddy 13. State NM																																																									
14. Date Spudded 11-14-09		15. Date T.D. Reached 12-9-09																																																									
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/12/09		17. Elevations (DF, RKB, RT, GL)* 3018' GL																																																									
18. Total Depth: MD 10,995' TVD 7048'		19. Plug Back T.D.: MD 10,995' TVD 7048'																																																									
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GRN/CAL E Log																																																									
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)		23. Casing and Liner Record (Report all strings set in well)																																																									
<table border="1"><thead><tr><th>Hole Size</th><th>Size/Grade</th><th>Wt (#ft.)</th><th>Top (MD)</th><th>Bottom (MD)</th><th>Stage Cementer Depth</th><th>No. of Sks. &amp; Type of Cement</th><th>Slurry Vol. (BBL)</th><th>Cement Top*</th><th>Amount Pulled</th></tr></thead><tbody><tr><td>17 1/2"</td><td>13 3/8"</td><td>48#</td><td>Surface</td><td>205'</td><td></td><td>370sxs Cl 'C'</td><td></td><td>Surface</td><td>112 sxs</td></tr><tr><td>12 1/4"</td><td>9 5/8"</td><td>36#</td><td>Surface</td><td>3398'</td><td></td><td>250sxs Cl 'C'</td><td></td><td>Surface</td><td>535 sxs</td></tr><tr><td>8 3/4"</td><td>7"</td><td>26#</td><td>Surface</td><td>7273'</td><td></td><td>1380 sxs Halcem H&amp;C</td><td>Corro H &amp; EconoC</td><td>Didn't circ</td><td>20 sxs</td></tr><tr><td>6 1/8"</td><td>4 1/2"</td><td>11.6</td><td>7049'</td><td>10,990'</td><td></td><td>None</td><td>Liner</td><td>hld in plc</td><td>by pkr assembly</td></tr></tbody></table>										Hole Size	Size/Grade	Wt (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled	17 1/2"	13 3/8"	48#	Surface	205'		370sxs Cl 'C'		Surface	112 sxs	12 1/4"	9 5/8"	36#	Surface	3398'		250sxs Cl 'C'		Surface	535 sxs	8 3/4"	7"	26#	Surface	7273'		1380 sxs Halcem H&C	Corro H & EconoC	Didn't circ	20 sxs	6 1/8"	4 1/2"	11.6	7049'	10,990'		None	Liner	hld in plc	by pkr assembly
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M2

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg SI	Csg. Press.	24 Hr →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg SI	Csg. Press.	24 Hr →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*)**Sold**

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Rustler	Surface	298'	Redbeds & Anhydrite		
Salado	298'	1740'	Salt		
Castille	1740'	3118'	Anhydrite & Salt		
Bell Canyon	3118'	4214'	Limestone		
Cherry Canyon	4214'	5206'	Sandstone & Shale		
Brushy Canyon	5206'	TD	Sandstone & Shale		

32. Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd)   
 ☐ Geologic Report   
 ☒ DST Report   
 ☒ Directional Survey  
☐ Sundry Notice for plugging and cement verification   
☐ Core Analysis   
☒ Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Kristy WardTitle Regulatory AnalystSignature Date 2/25/10

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**NASH UNIT #42H**  
**EDDY COUNTY, NEW MEXICO**  
**FEBRUARY 25, 2010**

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**ELEVATION:** PBTD - 10995' MD, 7048' TVD KB - NA  
TD - 10995' MD, 7048' TVD GL - 3018'

**WELL DATA:**

Surface Casing: 13-3/8", H-40. Set at 205'. Cemented with 370 sx.  
Circulated.

Inter. Csg#1: 9-5/8", 36 ppf, K-55. Set at 3395'. Cemented with  
1300 sx. Circulated.

Inter.Csg#2: 7" 26 ppf HCP-110 set @7273'. Cemented with 1230 sx.  
Bradenhead squeeze 580 sx CL H

Prod Liner: 4 1/2" 11.6# P-110 set from 7049' to 10990' with 14  
swellpackers, 8 DeltaStim treating sleeves & 1 Delta Stim  
Initiator Sleeve

**PERFORATIONS:**

**OBJECTIVE:** Fracture treat 6 1/8" Delaware OH from 8732' to TD (10995')  
with 9 stage frac job, flow well to access productivity.

**RECOMMENDED PROCEDURE**

- 1) MIRU PU. NU BOP. RU Casing Crew.. RIH with 4 1/2" 11.6# P-110 casing and  
RatchLatch seal assembly to top of VersaFlex liner hanger at 7049'.
- 2) Latch in with seal assembly and perform small pressure test. Sting out of hanger and  
space out with csg subs. Latch back into seal assembly with 4 1/2" casing. RD Csg Crew.
- 3) ND BOP. NU WH. RU Wood Group Pressure Control. Install Wellhead Assembly per  
attached drawing. RD Wood Group Pressure Control. RD PU.
- 4) RU Halliburton Pump Truck. Foam Dart is landed in the 1.375" ID landing collar @  
10974'. Pressure up to 4000 psi on 4 1/2" csg. Walk pressure up to 4500 psi. The Delta  
Stim Initiator Sleeve at 10925' is pinned at 4335 psi. Once sleeve is open, then obtain  
injection rate into toe. Report results to Midland Engineering. RD Halliburton pump  
truck.



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- 5) NU Frac valve. RU Halliburton Energy Services. Capacity of 4 ½" 11.6 # is .6528 gal per ft. RU Pump truck. Maintain 500 psi on backside throughout entire frac job.

Frac #1 (10816-10995) – 1000 gal 2% KCL , 63500 gal Delta Frac 200 containing 100000# 16/30 CRC. Drop **1.75"** ball. Flush with Delta Frac 200. 4 ½" volume to 10,720' (1.56" seat) is 7000 gallons.

Frac #2 (10564-10816) – 63500 gal Delta Frac 200 (including prior flush) containing 100000# 16/30 CRC. Drop **2.00"** ball. Flush with Delta Frac 200. 4 ½" volume to 10,470' (1.81" seat) is 6835 gallons.

Frac #3 (10316-10564) – 63500 gal Delta Frac 200 (including prior flush) containing 100000# 16/30 CRC. Drop **2.25"** ball. Flush with Delta Frac 200. 4 ½" volume to 10,182' (2.06" seat) is 6647 gallons.

Frac #4 (10043-10316) – 63500 gal Delta Frac 200 (including prior flush) containing 100000# 16/30 CRC. Drop **2.50"** ball. Flush with Delta Frac 200. 4 ½" volume to 9,956' (2.31" seat) is 6500 gallons.

Frac #5 (9814-10043) – 63500 gal Delta Frac 200 (including prior flush) containing 100000# 16/30 CRC. Drop **2.75"** ball. Flush with Delta Frac 200. 4 ½" volume to 9,724' (2.56" seat) is 6348 gallons.

Frac #6 (9570-9814) – 63500 gal Delta Frac 200 (including prior flush) containing 100000# 16/30 CRC. Drop **3.00"** ball. Flush with Delta Frac 200. 4 ½" volume to 9,429' (2.81" seat) is 6155 gallons.

Frac #7 (9286-9570) – 63500 gal Delta Frac 200 (including prior flush) containing 100000# 16/30 CRC. Drop **3.25"** ball. Flush with Delta Frac 200. 4 ½" volume to 9,149' (3.06" seat) is 5972 gallons

Frac #8 (9005-9286) – 63500 gal Delta Frac 200 (including prior flush) containing 100000# 16/30 CRC. Drop **3.50"** ball. Flush with Delta Frac 200. 4 ½" volume to 8875' (3.31" seat) is 5794 gallons



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Frac #9 (8732-9005) – 63500 gal Delta Frac 200 (including prior flush) containing 100000# 16/30 CRC. Flush with 2% KCL. Flush 1 bbl short of sleeve with 5750 gal. Obtain ISIP, 5 min, 10 min 15 min SI pressures.

All fracs attempt to get **40 BPM @ 7500 psi max treating pressure**. Pumping schedules are attached to procedure. After frac is complete, RD Halliburton, pump truck & leave well SI overnight.

When the ball is near the seat (+/- 5-10 bbl) of the DeltaStim treating sleeve slow down to +/- 10 bpm until ball seats and sleeve opens then resume pumping at full rate

NOTE: XTO will provide 32 frac tanks each loaded with 475-500 bbl of 2% KCL water for frac, bottoms, extra for frac. Also due to the length of the treatment, light plants may be necessary.

- 6) Open well & flow well to frac/test tank with steel lines and thru test equipment to allow for testing and well cleanup. Large ID flow iron and ball catcher is required as the largest ball dropped is 3.50" OD.
- 7) Report production tests to Midland Engineering for further plans and procedure.