

## RAILROAD COMMISSION OF TEXAS

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Tracking No.: 21940

Status: Submitted

Oil and Gas Division

API No. 42- 405-30400

7. RRC District No.

06

8. RRC Gas ID No.

Gas Well Back Pressure Test,  
Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat) <b>CARTHAGE (HAYNESVILLE SHALE)</b>		2. LEASE NAME <b>BLUE RAIDERS DU</b>		9. Well No. <b>1H</b>	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) <b>XTO ENERGY INC.</b>		RRC Operator No. <b>945936</b>		10. County of well site <b>SAN AUGUSTINE</b>	
4. ADDRESS <b>6141 PALUXY DR TYLER, TX 75703-0000</b>				11. Purpose of filing Initial Potential <input checked="" type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only (Explain in remarks) <input type="checkbox"/>	
5. Location (Section, Block, and Survey) <b>DAVIS, R M , A-643</b>		5b. Distance and direction to nearest town in this county. <b>3.5 MILES SE OF CHIRENO</b>			
6. If operator has changed within last 60 days, name former operator					
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. <b>FIELD &amp; RESERVOIR</b> <b>N/A</b>				GAS ID or OIL LEASE #	Oil-0 Gas-G
13. Pipe Line Connection <b>CTES</b>					
14. Completion or recompletion date <b>06/28/2011</b>		15. Any condensate on hand at time of workover or recompletion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		16. Type of Electric or other Log Run. <b>Gamma Ray (MWD)</b>	

Section I  
GAS MEASUREMENT DATA

Date of Test <b>07/07/2011</b>		Gas Measurement Method (Check One) Orifice Meter <input checked="" type="checkbox"/> Flange Taps <input checked="" type="checkbox"/> <input type="checkbox"/> Positive Choke <input type="checkbox"/> Orifice Vent Meter <input type="checkbox"/> Pitot Tube <input type="checkbox"/> Critical-flow Prover <input type="checkbox"/>				Gas produced during test <b>41841</b> MCF				
Run Size	Line Size	Orif. or Choke Size	24 hr Coeff. Orif. or Choke	Static Pm or Choke Press	Diff h <sub>w</sub>	Flow Temp. ° F	Temp. Factor F <sub>tf</sub>	Gravity Factor F <sub>g</sub>	Compress Factor F <sub>pv</sub>	Volume MCF/DAY
1	3.823	2.0000	27122.72	998.0	263.86	125.0	0.9428	1.0093	1.053	13947.0
2										
3										
4										

Section II  
FIELD DATA AND PRESSURE CALCULATIONS

Gravity (Dry Gas) <b>0.589</b>		Gravity Liquid Hydrocarbon Deg. API		Gas-Liquid Hydro Ratio CF/Bbl		Gravity of Mixture G <sub>mix</sub> = <b>0.589</b>		Avg. Shut-in Temp. <b>110.0</b> ° F		Bottom Hole Temp. <b>329.0</b> ° F @ <b>14180.0</b> (Depth)	
$D_{eff}^{8/3} =$		$\sqrt{T_f} = \sqrt{\quad} =$		$\sqrt{GL} = \sqrt{\quad} =$							
$C = \frac{1118 \times (D_{eff})^{8/3}}{\sqrt{T}} =$		$=$		$\frac{\sqrt{GL}}{C} =$		$=$					
Run No.	Time of Run Min	Choke Size	Wellhead Press. PSIA P <sub>w</sub>	Wellhead Flow Temp ° F	P <sub>w</sub> <sup>2</sup> (Thousands)	R	R <sup>2</sup> (Thousands)	P <sub>1</sub>	P <sub>w</sub> / P <sub>1</sub>		
Shut-in			10431	95.0							
1	4320	17/64	8793	125.0							
2											
3											
4											
Run No.	F	K	$S = \frac{1}{Z}$	E <sup>ks</sup>	P <sub>f</sub> and P <sub>s</sub>	P <sub>f</sub> <sup>2</sup> and P <sub>s</sub> <sup>2</sup> (Thousands)	P <sub>f</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> (Thousands)	Angle of Slope θ ..... n ..... Absolute Open Flow ..... MCF/DAY			
Shut-in						12467.0					
1											
2											
3											
4											

WELL TESTERS CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test and that data and facts shown in Sections I and II above are true, correct, and complete, to the best of my knowledge. Bottomhole temperature and the diameter and length of flow string were furnished by the operator of the well.

XTO ENERGY INC.(945936)

Signature: Well Tester

Name of Company

RRC Representative

OPERATORS CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that I or prepared supervised and directed this report, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

XTO ENERGY INC.

Sharonda Spencer

Signature: Operator's representative

Regulatory Analyst

Title

08/15/2011

Date

Tel: (903) 939-0811

A/C Number

SECTION III										DATA ON WELL COMPLETION AND LOG (Not Required on Retest)			
17. Type of Completion New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>						18. Permit to Drill, Plug Back or Deepen DATE <b>02/04/2011</b> PERMIT NO. <b>705709</b> Rule 37 Exception <input type="checkbox"/> CASE NO. _____							
19. Notice of Intention to Drill this well was filed in Name of <b>XTO ENERGY INC.</b>						Water Injection Permit <input type="checkbox"/> PERMIT NO. _____ Salt Water Disposal Permit <input type="checkbox"/> PERMIT NO. _____ Other <input type="checkbox"/> PERMIT NO. _____							
20. Number of producing wells on this lease in this field (reservoir) including this well <b>1</b>			21. Total number of acres in this lease <b>509.246</b>										
22. Date Plug Back, Deepening, Workover or Drilling Operations: <b>01/18/2011</b>		Commenced <b>03/22/2011</b>		Completed <b>0.0</b>		23. Distance to nearest well, Same Lease & Reservoir <b>0.0</b>							
24. Location of well, relative to nearest lease boundaries <b>412.0</b> Feet From <b>East</b> Line and <b>473.0</b> Feet from <b>South</b> Line of the <b>BLUE RAIDERS DU</b> Lease													
25. Elevation (DF, RKB, RT, GR ETC.) <b>208</b> <b>GL</b>				26. Was directional survey made other than inclination (Form W-12)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
27. Top of Pay <b>12046 MD:12077</b>		28. Total Depth <b>13869 MD:18711</b>		29. P. B. Depth <b>MD:18618</b>		30. Surface Casing Determined by Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. <input checked="" type="checkbox"/> Railroad Commission (Special) <input type="checkbox"/>		Dt. of Letter <b>11/29/2010</b> Dt. of Letter _____					
31. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
32. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. <b>FIELD &amp; RESERVOIR</b>						GAS ID or OIL LEASE #		Oil-0 Gas-G					
<b>N/A</b>													
33. Intervals Drilled by: Rotary Tools <input checked="" type="checkbox"/> Cable Tools <input type="checkbox"/>		34. Name of Drilling Contractor <b>PRECISION</b>						35. Is Cementing Affidavit Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
36. CASING RECORD (Report All Strings Set in Well)													
CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.						
13 3/8	54.5	2016		A 1377	17 1/2	SURFACE	2818.0						
9 5/8	40.0	6326		H 982	12 1/4	0	1100.0						
7	32.0	13200		H 2140	8 3/4	10800	3134.0						
37. LINER RECORD													
Size		Top		Bottom		Sacks Cement		Screen					
4 1/2		12883		18670		425							
38. TUBING RECORD													
Size		Depth Set		Packer Set		From L1 14180		To 18593					
N/A						From		To					
						From		To					
						From		To					
40. ACID, SHOT, FRACTURE, CEMENT SQUEEZE. ETC.													
Depth Interval				Amount and Kind of Material Used									
14180.0		18593.0		PERF. FRAC'D W/2,685,689# SAND									
41. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)													
Formations		Depth		Formations		Depth							
AUSTIN CHALK		5117.0 MD: 5133.0		HAYNESVILLE		13985.0 MD: 14160.0							
JAMES LIME		8364.0 MD: 8388.0											
KNOWLES		12046.0 MD: 12077.0											
REMARKS: N/A													