

17723

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Form G-1

Rev. 4/1/83

FAC0897

Type or print only

483-047

API No. 42-419-31587

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)

Carthage (Haynesville Shale)

2. LEASE NAME

Wolfpack DU

9. Well No.

1H

3. OPERATOR'S NAME (exactly as shown on Form P-5, Organization Report)

XTO Energy Inc.

RRC Operator No.

945936

10. County of well site

Shelby

4. ADDRESS

6141 Paluxy Drive Tyler, Texas 75703

11. Purpose of filing

Initial Potential ☒Retest ☐Reclass ☐Well record only
(Explain in remarks)

5. Location (Section, Block, and Survey)

J Anderson, A-5

5b. Distance and direction to nearest town in this county.

10.3 miles SE of Shelbyville

6. If operator has changed within last 60 days,
name former operator12. If workover or reclass, give former field (with reservoir) & Gas ID or
oil lease no.
FIELD & RESERVOIRGAS ID or
OIL LEASE #Oil -- O
Gas -- GWELL
#

13. Pipe Line Connection

CTES

14. Completion or recompletion date

3/13/11

15. Any condensate on hand at time of workover
or recompletion? ☐ Yes ☒ No

16. Type of Electric or other Log Run.

GRL

Section I

GAS MEASUREMENT DATA

Date of Test 4/4/11		Gas measurement Method (Check One) Orifice Meter <input checked="" type="checkbox"/> Flange Taps <input checked="" type="checkbox"/> Pipe Taps <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 33582 MCF		
Run No.	Line Size	Orif or Choke Size	24 Hr. Coeff. Orif. or Choke	Static P_m or Choke Press	Diff h_w	Flow Temp. $^{\circ}F$	Temp. Factor F_{tf}	Gravity Factor F_g	Compress Factor F_{pv}	Volume MCF/DAY
1	3.826	2.000	26462.87	1148	175.9	183	.8993	1.0059	1.0406	11194
2										
3										
4										

Section II

FIELD DATA AND PRESSURE CALCULATIONS

Gravity (Dry Gas)		Gravity Liquid Hydrocarbon		Gas-Liquid Hydro Ratio		Gravity of Mixture		Avg. Shut-in Temp.		Bottom Hole Temp.	
.593		Deg. API		CF/Bbl		$G_{mix} = .593$		127 $^{\circ}F$		309 $^{\circ}F$ @ 13030' (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	Wellhead Flow Temp. $^{\circ}F$	P_w^2 (Thousands)	R	R^2 (Thousands)	P_w/P_1			
Shut-In			7995	70	63920						
1	4320	17/64"	6525	183	42576						
2											
3											
4											
Run No.	F	K	$S = \frac{1}{z}$	E_{ks}	P_f and P_g	P_f^2 and P_g^2 (Thousands)	$P_f^2 - P_g^2$ (Thousands)				
Shut-In											
1											
2											
3											
4											

Angle of Slope
 θ
 n
Absolute Open Flow
..... MCF/DAY

WELL TESTER'S 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.

Signature: Well Tester

Name of Company

RRC Representative

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

Sharonda Spencer

Reg. Analyst

4/25/11

Tel: 903-579-0811

Signature: Operator's representative

Title

Date

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 4/27/10 PERMIT NO. 694725		Rule 37 Exception <input type="checkbox"/> CASE NO.	
19. Notice of Intention to Drill this well was filed in Name of XT0 Energy Inc.				Water Injection Permit <input type="checkbox"/> PERMIT NO.		Salt Water Disposal Permit <input type="checkbox"/> PERMIT NO.	
20. Number of producing wells on this lease in this field (reservoir) including this well 2		21. Total number of acres in this lease 692.605		Other Permit <input type="checkbox"/> PERMIT NO.			
22. Date Plug Back, Deepening, WorkOver or Drilling Operations: 8/2/10		Commenced 10/10/10		Completed 1'		23. Distance to nearest well, Same Lease & Reservoir	
24. Location of well, relative to nearest lease boundaries of lease on which this well is located 677 Feet From FNW Line and 394' Feet from FNE Line of the Wolfpack DU Lease							
25. Elevation (DF, RKB, RT, GR, ETC.) 251' GL				26. Was directional survey made other than inclination (Form W--12)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
27. Top of Pay 10779'		28. Total Depth 19717' -MD		29. P.B. Depth 19610' -MD		30. Surface Casing Determined by: Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. Railroad Commission (Special) <input checked="" type="checkbox"/>	
						Dt. of Letter 4/22/10	
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. FIELD & RESERVOIR				33. Intervals Drilled by: Rotary Tools <input checked="" type="checkbox"/> Cable Tools <input type="checkbox"/>	
34. Name of Drilling Contractor Nabors						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#	1825'	960 sxs mod	490 sxs prem.	17 1/2"	surface	2584
				960 sxs mod sl			
9 5/8"	40#	4800'		450 sxs gasstop	12 1/4"	0'	508
7"	32#	12065'		1880 sxs 'H'	8 3/4"	6400'	2610

37. LINER RECORD				
Size	TOP	Bottom	Sacks Cement	Screen
4 1/2"	11721'	19717'	590 sxs thermacem	

38. TUBING RECORD			39. Producing Interval (this completion) Indicate depth of perforation or open hole	
Size	Depth Set	Packer Set	From	To
			13030'	19333'
			From	To
			From	To
			From	To

40. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Depth Interval	Amount and Kind of Material Used
19333' - 13030'	Perf. frac. w/3,940,712# sand

41. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)			
Formations	Depth	Formations	Depth
Austin Chalk	3667'-MD, 3617'-TVD	Haynesville	12284'-MD, 12277'-TVD
James Lime	6928'-MD, 6886'-TVD		
Knowles	10779'-MD, 10769'-TVD		

REMARKS TVD=12842', TOP TVD= 10769'

This well is a stacked lateral with the #2H well