17724

RAILROAD COMMISION OF TEXAS
Oil and Gas Division

Form G-1
Rev. 4/1/83
EAG0897

Type or print only
483-047

API No. 42-419-31630

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 (SL) DU
9. Well No.: 2H
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 [X]; 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 operator:
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no.
FIELD & RESERVOIR | GAS ID or OIL LEASE # | Oil -- O Gas -- G | WELL #
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 [X] No
16. Type of Electric or other Log Run.: GRL

Section I — GAS MEASUREMENT DATA

Date of Test: 3/26/11
Gas measurement Method (Check One): Orifice Meter [X] Flange Taps [X] Pipe Taps [ ] Positive Choke [ ] Orifice Vent Meter [ ] Pitot Tube [ ] Critical-flow Prover [ ]
Gas produced during test: 35892 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. °F	Temp. Factor F_{tf}	Gravity Factor F_g	Compress Factor F_{pv}	Volume MCF/DAY
1	3.825	2.000	27122.72	1087	163.4	102	.9619	1.0224	1.0640	11964
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.
.574	Deg. API	CF/Bbl	G_{mix} = .574	86 °F	301° F @ 12600' (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_w	Wellhead Flow Temp. °F	P_w^2 (Thousands)	R	R^2 (Thousands)	P_w/P_1
Shut-In			8728	70	76178			
1	4320	16/64"	7339	102	53861			
2								
3								
4								

Run No.	F	K	$S = \frac{1}{z}$	E^{ks}	P_f and P_s	P_f^2 and P_s^2 (Thousands)	$P_f^2 - P_s^2$ (Thousands)
Shut-In							
1							
2							
3							
4							

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

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O&G
AUSTIN TX

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 directed this report, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Sharonda Spencer — Signature: Operator's representative
Reg. Analyst — Title
4/25/11 — Date
Tel: 903-579-0811 — A/C Number

SECTION III — DATA ON WELL COMPLETION AND LOG (Not Required on Retest)

17. Type of Completion: New Well [X] Deepening [ ] Plug Back [ ] Other [ ]

18. Permit to Drill, Plug Back or Deepen — DATE: 10/1/10 — PERMIT NO.: 702901

Rule 37 Exception — CASE NO.:

Water Injection Permit — PERMIT NO.:

Salt Water Disposal Permit — PERMIT NO.:

Other — PERMIT NO.:

19. Notice of Intention to Drill this well was filed in Name of: XTO Energy Inc.

20. Number of producing wells on this lease in this field (reservoir) including this well: 2

21. Total number of acres in this lease: 692.61

22. Date Plug Back, Deepening, WorkOver or Drilling Operations: Commenced: 10/12/10 — Completed: 12/16/10

23. Distance to nearest well, Same Lease & Reservoir: 1'

24. Location of well, relative to nearest lease boundaries of lease on which this well is located: 657' Feet From FNW Line and 396' Feet from FNE Line of the Wolfpack DU Lease

25. Elevation (DF, RKB, RT, GR, ETC.): 258' GL

26. Was directional survey made other than inclination (Form W--12)? [X] Yes [ ] No

27. Top of Pay: 10779'-MD

28. Total Depth: 19402'-MD

29. P B. Depth: 19210'-MD

30. Surface Casing Determined by: Field Rules [ ] — Recommendation of T.D.W.R. Railroad Commission (Special) [X] — Dt. of Letter 9/29/10 — Dt. of Letter

31. Is well multiple completion? [ ] Yes [X] No

32. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No.

FIELD & RESERVOIR	GAS ID or OIL LEASE#	Oil--O Gas--G	WELL #

33. Intervals Drilled by: Rotary Tools: X — Cable Tools:

34. Name of Drilling Contractor: Nabors

35. Is Cementing Affidavit Attached? [X] Yes [ ] 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'		490 sxs Halcem	17 1/2"	surface	2584
				960 sxs extend			
9 5/8"	40#	4800'		450 sxs gasstop	12 1/4"	4570'	508
7"	32#	12291'		1880 sxs 'H'	8 3/4"	8600'	2610.5

37. LINER RECORD

Size	TOP	Bottom	Sacks Cement	Screen
4 1/2"	11200'	19294'	575 thermacem	

38. TUBING RECORD

Size	Depth Set	Packer Set

39. Producing Interval (this completion) Indicate depth of perforation or open hole

From 12600' To 19173'

From To

From To

From To

40. ACID, SHOT, FRACTURE, CEMENT SQEEZE, ETC.

Depth Interval	Amount and Kind of Material Used
12600'- 19173'	Perf. frac. w/3,853,440# sand

41. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)

Formations	Depth	Formations	Depth
Austin Chalk	3667'-MD, 3603'-TVD	Haynesville	12284'-MD, 12183'-TVD
James Lime	6928'-MD, 6868'-TVD		
Knowles	10779'-MD, 10743'-TVD		

REMARKS TVD=12456', TOP TVD= 10743'. CIBP set @ 19204'.
This well is a stacked lateral with the #1H well