

## RAILROAD COMMISSION OF TEXAS

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Tracking No.: 17762

Status: Submitted

Oil and Gas Division

API No. 42- 405-30371

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>STEDHAM SU</b>		9. Well No. <b>1 H</b>	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) <b>EXCO OPERATING COMPANY, LP</b>		RRC Operator No. <b>256915</b>		10. County of well site <b>SAN AUGUSTINE</b>	
4. ADDRESS <b>12377 MERIT DRIVE STE 1700 DALLAS, TX 75251-0000</b>				11. Purpose of filing Initial Potential <input type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only (Explain in remarks) <input checked="" type="checkbox"/>	
5. Location (Section, Block, and Survey) <b>JONES, N , A-175</b>		5b. Distance and direction to nearest town in this county. <b>9 MILES NW FROM SAN AUGUSTINE</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>				GAS ID or OIL LEASE #	
N/A				Oil-0 Gas-G	
13. Pipe Line Connection				Well #	

14. Completion or recompletion date <b>02/28/2011</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>Combo of Induction/Neutron/Density</b>	
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Section I GAS MEASUREMENT DATA										
Date of Test		Gas Measurement Method (Check One) Orifice Meter <input type="checkbox"/> Flange Taps <input 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 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	N/A									
2										
3										
4										

Section II FIELD DATA AND PRESSURE CALCULATIONS											
Gravity (Dry Gas)		Gravity Liquid Hydrocarbon Deg. API		Gas-Liquid Hydro Ratio CF/Bbl		Gravity of Mixture G <sub>mix</sub> =		Avg. Shut-in Temp. ° F		Bottom Hole Temp. ° F@ (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	N/A										
1											
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											
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.

EXCO OPERATING COMPANY, LP(256915)

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.

EXCO OPERATING COMPANY, LP

Tara Morren

Signature: Operator's representative

Title

05/02/2011

Date

Tel: (214) 368-2084 EXT 10265

A/C

Number

SECTION III										DATA ON WELL COMPLETION AND LOG (Not Required on Retest)			
17. Type of Completion New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input checked="" type="checkbox"/>						18. Permit to Drill, Plug Back or Deepen DATE <b>08/20/2010</b> PERMIT NO. <b>700652</b> Rule 37 Exception <input type="checkbox"/> CASE NO. _____							
19. Notice of Intention to Drill this well was filed in Name of <b>EXCO OPERATING COMPANY, LP</b>						Water Injection Permit PERMIT NO. _____ Salt Water Disposal Permit PERMIT NO. _____ Other 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>640.45</b>										
22. Date Plug Back, Deepening, Workover or Drilling Operations: Commenced <b>09/03/2010</b> Completed <b>12/24/2010</b>		23. Distance to nearest well, Same Lease & Reservoir <b>0.0</b>											
24. Location of well, relative to nearest lease boundaries <b>222.0</b> Feet From <b>South</b> Line and <b>823.0</b> Feet from <b>East</b> Line of the <b>STEDHAM SU</b> Lease													
25. Elevation (DF, RKB, RT, GR ETC.) <b>298</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>13320 MD:19935</b>	28. Total Depth <b>13320 MD:19935</b>	29. P. B. Depth <b>13319 MD:19825</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>08/31/2010</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		Well #			
<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>ROWAN</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	2404		A, A C LITE II 1789	17 1/2	SURFACE	3429.0						
7 5/8	29.7	12149		H, BJ HT LITE 2916	9 7/8	4330	4734.0						
5 1/2	23.0	11997		SHALECEM, THERMACEM 1235	6 3/4	7978	1694.3						
4 1/2	15.5	19913		SHALECEM, THERMACEM 1235	6 3/4	7978	1694.3						
37. LINER RECORD													
Size		Top		Bottom		Sacks Cement			Screen				
38. TUBING RECORD													
Size		Depth Set		Packer Set		From N/A			To				
N/A						From			To				
						From			To				
						From			To				
39. Producing Interval (this completion) Indicate depth of perforation or open hole													
40. ACID, SHOT, FRACTURE, CEMENT SQUEEZE. ETC.													
Depth Interval						Amount and Kind of Material Used							
N/A													
41. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)													
Formations		Depth		Formations		Depth							
PALUXY		5055.0 MD: 5055.0		JAMES LIME		7542.0 MD: 7542.0							
GLEN ROSE		5442.0 MD: 5442.0		BOSSIER		11900.0 MD: 11900.0							
ANHYDRITE		6832.0 MD: 6832.0											
REMARKS: Off Lease = true; ADDITIONAL W-15 ATTACHED FOR CEMENT SQUEEZE. STEDHAM SU #1 IS A PRESSURE MONITOR WELL. CEMENT PLUG AT 12854-12935 FT.													