

RAILROAD COMMISSION OF TEXAS

This facsimile G-1 was generated electronically from data submitted to the RRC.

Tracking No.: 14297

Status: Submitted

Oil and Gas Division

API No. 42- 403-30457

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 BRIDGES		9. Well No. 1H	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) CHESAPEAKE OPERATING, INC.			RRC Operator No. 147715		10. County of well site SABINE
4. ADDRESS ATTN CHRISTIAN COMBS PO BOX 18496 OKLAHOMA CITY, OK 73154-0496					
5. Location (Section, Block, and Survey) HAILEY, R , A-121			5b. Distance and direction to nearest town in this county. 11.4 MILES NW FROM MILAM		
6. If operator has changed within last 60 days, name former operator					
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"/>					
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. FIELD & RESERVOIR				GAS ID or OIL LEASE #	Oil-0 Gas-G
13. Pipe Line Connection ENBRIDGE GATHERING (N.TX) L.P.				16. Type of Electric or other Log Run. Gamma Ray (MWD)	
14. Completion or recompletion date 02/27/2011		15. Any condensate on hand at time of workover or recompletion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

Section I GAS MEASUREMENT DATA											
Date of Test 03/01/2011		Gas Measurement Method (Check One) Orifice Meter <input type="checkbox"/> <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 51711 MCF			
Run Size	Line Size	Orif. or Choke Size	24 hr Coeff. Orif. or Choke	Static Pm 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	3.826	2.5	44083.49	1.073	139.0	112.0	0.953	1.0	1.065	17237.0	
2											
3											
4											

Section II FIELD DATA AND PRESSURE CALCULATIONS													
Gravity (Dry Gas) 0.599		Gravity Liquid Hydrocarbon Deg. API		Gas-Liquid Hydro Ratio CF/Bbl		Gravity of Mixture G _{mix} = 0.599		Avg. Shut-in Temp. 196.0 ° F		Bottom Hole Temp. 318.0 ° F @ 13988.0 (Depth)			
$D_{eff}^{8/3} =$		$\sqrt{T_f} = \sqrt{\quad} =$		$\sqrt{GL} = \sqrt{\quad} =$									
$C = \frac{1118 \times (D_{eff})^{8/3}}{\sqrt{T}} =$				$\frac{\sqrt{GL}}{C} = \quad = \quad =$									
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 ₁	P _w / P ₁				
Shut-in			8603	74.0									
1	4320	24/64	6680	217.0									
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)	Angle of Slope θ n Absolute Open Flow MCF/DAY					
Shut-in					8603.0								
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.

MICHAEL KOCIAN

Signature: Well Tester

STUART PETROLEUM TESTERS

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.

CHESAPEAKE OPERATING, INC.

Linda Weeks

Regulatory Compliance
Specialist

Title

03/10/2011

Date

(405) 935-6854

Tel:

Signature: Operator's representative

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 07/15/2010 PERMIT NO. 697039 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 CHESAPEAKE OPERATING, INC.																			
20. Number of producing wells on this lease in this field (reservoir) including this well 1					21. Total number of acres in this lease 841.5														
22. Date Plug Back, Deepening, Workover or Drilling Operations: 08/25/2010		Commenced 10/06/2010		Completed 0.0		23. Distance to nearest well, Same Lease & Reservoir 0.0													
24. Location of well, relative to nearest lease boundaries 10.0 Feet From West Line and 352.0 Feet from South Line of the BRIDGES Lease																			
25. Elevation (DF. RKB, RT. GR ETC.) 287 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 11794 MD:11815		28. Total Depth 12374 MD:15618		29. P. B. Depth 12377 MD:15506		30. Surface Casing Determined by Field Rules <input checked="" type="checkbox"/>		Recommendation of T.D.W.R. <input checked="" type="checkbox"/> Railroad Commission (Special) <input checked="" type="checkbox"/>		Dt. of Letter 07/14/2010									
										Dt. of Letter 08/20/2010									
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										GAS ID or OIL LEASE #		Oil-0 Gas-G		Well #					
N/A																			
33. Intervals Drilled by: <input checked="" type="checkbox"/> Rotary Tools <input checked="" type="checkbox"/> Cable Tools		34. Name of Drilling Contractor TRINIDAD #128										35. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input checked="" 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		61.0		1850				CLASS A 1450		17 1/2		SURFACE		2440.9					
7 5/8		29.7		11891				TXI 1256		9 7/8		5300		2166.7					
5 1/2		23.0		15618				CLASS H 419		6 3/4		9500		611.74					
37. LINER RECORD																			
Size		Top		Bottom		Sacks Cement				Screen									
38. TUBING RECORD																			
Size		Depth Set		Packer Set		From L1 12465				To 15510									
2 7/8		12053		12057		From				To									
						From				To									
						From				To									
40. ACID, SHOT, FRACTURE, CEMENT SQUEEZE. ETC.																			
Depth Interval						Amount and Kind of Material Used													
12465.0		15510.0		197924# 100 MESH SD; 1975175# 40/70 WHITE SD;															
12465.0		15510.0		1965410# 30/50 PRIME PLUS SD															
41. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)																			
Formations		Depth		Formations		Depth													
JAMES LIME		6790.0 MD: 6810.0																	
COTTON VALLEY		10858.0 MD: 10879.0																	
BOSSIER		11794.0 MD: 11815.0																	
REMARKS: SEE ATTACHMENT FOR PERF'D DETAILS; WELL RECORD ONLY WAS SUBMITTED ON LINE 12/2/2010																			
TRACKING #8148																			