

RAILROAD COMMISSION OF TEXAS  
OIL AND GAS DIVISION

Rev. 6/12/78

**GAS WELL BACK PRESSURE TEST  
COMPLETION OR RECOMPLETION REPORT AND LOG**

1. FIELD NAME (As per RRC Records or Wildcat) \_\_\_\_\_ 2. LEASE NAME  
COLUMBIA COUNTY

3. OPERATOR  
REICHHOLD ENERGY

4. ADDRESS \_\_\_\_\_

5. LOCATION (Section, Block, and Survey) \_\_\_\_\_ 5b. Distance and Direction from nearest town in this county. \_\_\_\_\_

6. If Operator has changed within last 60 days - Give former Operator. \_\_\_\_\_ 12. If Workover or Reclass, give former Field (with Reservoir) & Gas ID or Oil Lease #.

FIELD & RESERVOIR	GAS ID or OIL LEASE #	Oil - O Gas - G	WELL #
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13. Pipe Line Connection \_\_\_\_\_

15. List of Offset Operators Notified and Date of Notification \_\_\_\_\_ Any Condensate on hand at time of Workover or Recompletion?  Yes  No

16. Type of Electric or other Log Run. \_\_\_\_\_

7. RRC District \_\_\_\_\_

8. RRC Identification Number \_\_\_\_\_

9. Well Number  
3

10. County  
Columbia

11. Purpose of Test  
Initial Potential    
Re-test    
Reclass    
14. Completion or Recompletion Date \_\_\_\_\_

**Section I  
GAS MEASUREMENT DATA**

Run No.	Line Size	Orifice or Choke Size	24 Hr. Coeff. Orif or Choke	Static P <sub>w</sub> or Choke Press	Diff. h <sub>w</sub>	Flow Temp. °F	Temp. Factor F <sub>tt</sub>	Gravity Factor F <sub>g</sub>	Compress. Factor F <sub>pv</sub>	Gas produced during test	
										Volume MCF/DAY	MCF
1	2"	1/8	0.3499	917.4	-	55	1.0048	1.0445	1.077	363	
2	2"	7/32	1.1090	911.4	-	59	1.0010	1.0445	1.066	1127	
3	2"	5/16	2.2080	887.4	-	61	0.9990	1.0445	1.066	2179	
4	2"	7/16	4.5030	826.9	-	64	0.9963	1.0445	1.061	4111	

**Section II  
FIELD DATA AND PRESSURE CALCULATIONS**

Gravity (Dry Gas) <u>0.53</u>	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) _____
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D<sub>well</sub> <sup>8/3</sup> = \_\_\_\_\_ / T<sub>1</sub> = \_\_\_\_\_ / GL = \_\_\_\_\_

C =  $\frac{1118 \cdot (D_{well})^{8/3}}{\sqrt{T}}$  = \_\_\_\_\_ / GL = \_\_\_\_\_

Run No.	Time of Run Min.	Choke Size	Wellhead Press P <sub>w</sub> PSIA	Wellhead Flow Temp. °F	P <sub>2</sub> (Thousands)	R	R <sup>2</sup> (Thousands)	P <sub>1</sub>	P <sub>w</sub> /P <sub>1</sub>
Shut-in			919.4			0	0	919.4	0
1	30	1/8	917.9	55		0	0	917.9	0
2	30	7/32	913.4	59		0	0	913.4	0
3	30	5/16	902.9	61		0	0	902.9	0
4	30	7/16	885.4	64		0	0	885.4	0

Run No.	P	K	S = $\frac{1}{x}$	g <sub>hs</sub>	P <sub>1</sub> and P <sub>s</sub>	P <sub>1</sub> <sup>2</sup> and P <sub>s</sub> <sup>2</sup>	P <sub>1</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup>	Angle of Slope θ = 52 n = .781 Absolute Open Flow 32,000 MCF/DAY
Shut-in	1.0	0.04420	1.1148	1.0505	965.8	932.8		
1	1.0	0.04420	1.1146	1.0505	964.3	929.8	3.0	
2	1.0	0.04420	1.1140	1.0505	959.5	920.7	12.1	
3	1.0	0.04420	1.1128	1.0504	948.4	899.5	33.3	
4	1.0	0.04420	1.1113	1.0503	930.0	864.9	67.9	

An inclination survey has been run in accordance with Statewide Rule 11 and the results are available upon request. Maximum horizontal displacement was \_\_\_\_\_ feet at a measured depth of \_\_\_\_\_ feet.

Signature of Authorized Representative \_\_\_\_\_ Name of Company Conducting Survey \_\_\_\_\_  
I have knowledge that the cementing operations, as reflected by the information found on the reverse side of this form, were performed as indicated by such information.

Signature of Cementator or Authorized Representative \_\_\_\_\_ Name of Cementing Company \_\_\_\_\_

**CERTIFICATE:**  
I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

DATE

DATE

DATE

PHONE

PHONE