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RA. JAD COMMISSION OF TEXAS  
OIL AND GAS DIVISION

Form No. 1  
Rev. 6/12/78

<b>GAS WELL BACK PRESSURE TEST COMPLETION OR RECOMPLETION REPORT AND LOG</b>		API No. if Available	7. RRC District
1. FIELD NAME (as per RRC Records or Wellcat)		2. LEASE NAME COLUMBIA COUNTY	
3. OPERATOR REICHOLD ENERGY		9. Well Number 1	
4. ADDRESS		10. County Columbia	
5. LOCATION (Section, Block, and Survey)		11. Purpose of Test Initial Potential <input checked="" type="checkbox"/> Re-test <input type="checkbox"/> Reclass <input type="checkbox"/>	
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 #: _____	
13. Pipe Line Connection		14. Completion or Recompletion Date	
15. List of Offset Operators Notified and Date of Notification		16. Type of Electric or other Log Run. Any Condensate on hand at time of Workover or Recompletion? <input type="checkbox"/> Yes <input type="checkbox"/> No	

**Section I  
GAS MEASUREMENT DATA**

Run No.	Line Size	Orifice or Choke Size	24 Hr Coeff. Orif or Choke	Static P <sub>m</sub> or Choke Press	Diff. h <sub>w</sub>	Flow Temp. °F	Temp. Factor F <sub>tl</sub>	Gravity Factor F <sub>g</sub>	Compress Factor F <sub>pv</sub>	Gas produced during test	
										MCF	Volume MCF/DAY
1	2"	3/32	0.1863	911.9	-	61	0.9990	1.0	1.066	189	
2	2"	1/8	0.3499	907.9	-	58	1.0019	1.0	1.066	355	
3	2"	3/16	0.8035	890.4	-	58	1.0019	1.0	1.066	799	
4	2"	5/16	2.2080	821.9	-	60	1.0000	1.0	1.064	2017	

**Section II  
FIELD DATA AND PRESSURE CALCULATIONS**

Gravity (Dry Gas) .550 (est.)	Gravity Liquid Hydrocarbon none	Gas-Liquid Hydro Ratio CF/Bbl	Gravity of Mixture G <sub>mix</sub> .550	Avg. Shut-In Temp. °F	Bottom Hole Temp. °F (Depth)
D <sub>eff</sub> <sup>8/3</sup> = _____ / T <sub>f</sub> = _____		C = $\frac{1118 \cdot (D_{eff})^{8/3}}{\sqrt{T}}$		$\frac{\sqrt{GL}}{C}$	

Run No.	Time of Run Min.	Choke Size	Casing Wellhead Press P <sub>w</sub> PSIA	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			901.9						
1	30		895.9	61					
2	30		892.4	58					
3	30		877.4	58	Anarada Bottom Hole Pressure Gage				
4	30		823.9	60					
Run No.	F	K	S = $\frac{1}{k}$	E <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	
Shut-in					971.3	943.3		θ = 50	
1					966.6	934.3	9.1	n = 839	
2					961.9	925.3	18.1	Absolute Open Flow	
3					944.0	891.1	52.3	9,200 MCF/DAY	
4					889.7	791.6	151.8		

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 Cementer or Authorized Representative \_\_\_\_\_ Name of Cementing Company \_\_\_\_\_

**CERTIFICATE:**  
I declare under penalties prescribed in Sec. 51.143, 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.

\_\_\_\_\_  
TITLE DATE Phone A/C