

**NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122  
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special			Test Date 4-17-80		
Company Southland Royalty Company			Connection Southern Union Gathering		
Pool Fulcher Kutz			Formation Pictured Cliffs		
Completion Date 3-7-80		Total Depth 1904'		Plug Back TD 1891'	Elevation 5640' GR
Farm or Lease Name Reid PRI					Well No. #2
Csg. Size 8.625	Wt. 24#	d 8.071	Set At 133'	Perforations: From                      To	
Thq. Size 2.875	Wt. 6.5#	d 2.441	Set At 1891'	Perforations: From                      To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ---	County San Juan
Producing Thru Casing		Reservoir Temp. °F p	Mean Annual Temp. °F	Baro. Press. - P <sub>a</sub> 12.2	State New Mexico
L	H	Gg .700	% CO <sub>2</sub>	% N <sub>2</sub>	% H <sub>2</sub> S
Prover			Meter Run	Taps	

  

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI									186	
1.	2" X 1/2"								15 OZ	1 Hr.
2.									20 OZ	2 Hr.
3.									8 OZ	3 Hr.
4.										
5.										

  

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	5.4315		12.7	1.0000	.9258	1.0000	64
2.							
3.							
4.							
5.							

  

NO.	P <sub>t</sub>	Temp. °R	T <sub>t</sub>	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R

  

P <sub>c</sub> 198.2    P <sub>c</sub> <sup>2</sup> 39283.2		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0041$		(2) $\frac{P_c^2 - P_w^2}{P_c^2} = 1.0035$	
NO.	P <sub>t</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	
1		12.7	161.2	39122	
2					
3					
4					
5					

  

AOOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 64$

  

Absolute Open Flow <u>64</u>	Mcf/d @ 15.025	Angle of Slope $\theta$ _____	Slope, n <u>.85</u>
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Remarks: \_\_\_\_\_

  

Approved By Commission:	Conducted By: Kelly Maxwell	Calculated By: James Smith	Checked By:
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