

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 <b>2-21-77</b>	
Company <b>AMOCO PRODUCTION COMPANY</b>				Connection <b>El Paso Natural Gas Co.</b>	
Pool <b>Blanco</b>				Formation <b>Masaverde</b>	
Completion Date <b>2-21-77</b>		Total Depth <b>4863</b>		Plug Back TD <b>4803</b>	
Elevation <b>5636 GL</b>		Farm or Lease Name <b>Gutierrez Gas Com</b>			
Csq. Size <b>7.000</b>	Wt. <b>20</b>	d <b>6.456</b>	Set At <b>2650</b>	Perforations: From <b>3880</b> To <b>4684</b>	
Tbg. Size <b>2.375</b>	Wt. <b>4.7</b>	d <b>1.995</b>	Set At <b>4666</b>	Perforations: From <b>Open</b> To <b>Ended</b>	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <b>Single</b>				Packer Set At <b>None</b>	
Producing Thru <b>Tbg.</b>		Reservoir Temp. °F @		Mean Annual Temp. °F	
Baro. Press. - P <sub>a</sub>		State <b>New Mexico</b>			
L	H	Gg <b>.65</b>	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	7 days						423		539		3 Hrs.
1.	2.375		.750				130	60°	470		
2.											
3.											
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	<b>12.365</b>		<b>142</b>	<b>1.000</b>	<b>.9608</b>	<b>1.013</b>	<b>1709</b>
2.							
3.							
4.							
5.							

NO.	P <sub>r</sub>	Temp. °R	T <sub>r</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 _____ R

P <sub>c</sub> <b>551</b>	P <sub>c</sub> <sup>2</sup> <b>303,601</b>	P <sub>w</sub> <sup>2</sup> <b>482</b>	P <sub>w</sub> <sup>2</sup> <b>232,324</b>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> <b>71277</b>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{4.2595}$	(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.9649}$
					AOF = Q $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{5067}$	

ate Open Flow **5067** Mcfd @ 15.025 Angle of Slope  $\theta$  **.75** Slope, n

3: **4.500" 10.5# liner set 2445' - 4863'**

Original Signed by  
**H. D. MONTGOMERY**

By Commission:	Conducted By: <b>T. M. Oliver</b>	Calculated By: <b>Oliver/W.R.Cordill</b>	Checked By: <b>H. D. Montgomery</b>
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<u>DEPTH</u>	<u>DEVIATION</u>
266'	1/2°
908'	3/4°
1407'	3/4°
2031'	1°
2531'	1°
3260'	1°
3757'	1°
4283'	1°
4800'	1-1/4°

My Commission Expires: December 28, 1979