

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 4-27-82	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Unit	
Completion Date 4-7-82		Total Depth 6504		Plug Back TD 6459	
				Elevation 5892 GL	
Farm or Lease Name Martin Gas Com "B"					
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 6504	Perforations: From 6247 To 6405	
Thg. Size 2.063	Wt. 3.25	d 1.751	Set At 6401	Perforations: From open To ended	
Type Well - Single - Brodenhead - G.C. or G.O. Multiple Dual				Packer Set At 1950	
Producing Thru Tubing		Reservoir Temp. °F p		Baro. Press. - P _a	
Mean Annual Temp. °F		County San Juan		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ 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 _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	14 Days						157				
1.	2.375		.750				180				3 hrs
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		192	1.000	.9258	1.021	2244
2.							
3.							
4.							
5.							

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

P _c 1169	P _w 1366.161					
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.2467}{}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.1798}{}$
1		520	270400	1096161		
2						
3						
4						
5						

Absolute Open Flow 2648 Mcfd @ 15.025				Angle of Slope θ _____	Slope, n .75
Remarks: _____					

Approved By Division	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By:
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