

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 1-11-83			
Company Amoco Production Company			Connection El Paso Natural Gas Company		
Pool Basin			Formation Dakota		Unit
Completion Date 12-20-82		Total Depth 6254		Plug Back TD 6210	Elevation 5638 GL
Farm or Lease Name Gallegos Canyon Unit E					Well No. 161E
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6254	Perforations: From 6032 To 6170	
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 6185	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a	
State New Mexico					
L	H	G _g	% 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.	
SI	13 Days						1014		1014	
1.	2.375		.750				102		395	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.375		114	1.000	.9258	1.012	1321
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					Å.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 _c 1026	P _c ² 1052676	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1867$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1370$
NO.	P _t ²	P _w	P _w ²
1		407	165649
2			
3			
4			
5			

Absolute Open Flow 1502 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: _____			

Approved By Division _____	Conducted By: _____	Calculated By: _____	Checked By:
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