

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

Form C-122
 Revised 9-2-65

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 10-29-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 10-12-81		Total Depth 6086		Plug Back TD 6037	
				Elevation 5413 GL	
Farm or Lease Name Gallegos Canyon Unit					
Csg. Size 4.500		Well 10.5		Well No. 202E	
Tbg. Size 2.375		Well 4.7		Well No. 202E	
				Unit. Sec. Twp. Rge. C 33 29N 12W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple single				Packer Set At None	
Producing Thru Tubing				Baro. Press. - P _a None	
Reservoir Temp. °F 8				Mean Annual Temp. °F None	
State New Mexico				County San Juan	
L		H		Prover	
G _g		% CO ₂		% H ₂ S	
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	9 Days						538		538	
1.	2.375	.750					145		390	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	12.365		157	1.000	.9258	1.018	1830
2.							
3.							
4.							
5.							

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

P_c 550 P_c² 302500

NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1		402	161604	140896
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1470$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7737$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3246$

Absolute Open Flow	3246	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:

Approved by Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By
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