

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 12-22-81			
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 11-30-81		Total Depth 6270		Plug Back TD 6230		Elevation 5588 GL		Farm or Lease Name Gallegos Canyon Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6270	Perforations: From 6060 To 6174		Well No. 167E			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6176	Perforations: From open To ended		Unit H	Sec. 18	Twp. 28N	Rye. 11W
Type Well - Single - Bradenhead - G.C. 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 Hen	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						555		623	
1.	2.375	.750					122		407	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		134	1.000	.9258	1.015	1557
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Ratio, Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity of Gas	Specific Gravity of Gas	Critical Pressure, P.S.I.A.	Critical Temperature, °R
1.										
2.										
3.										
4.										
5.										

P _c 635	P _c ² 403225	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7711$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5353$
NO. 1	P _w 419	P _w ² 175561	P _w ² - P _w ² 227664
2.			
3.			
4.			
5.			

Absolute Open Flow 2390 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks:			

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