

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 12-15-80	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 11-25-80		Total Depth 6174		Plug Back TD 6129		Elevation 5522	
Farm or Lease Name Gallegos Canyon Unit							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6174	Perforations: From 5942 To 6048		Well No. 111E	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6049	Perforations: From open To ended		Unit I	Sec. 20
		Twp. 29N			Hgt. 12W		
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru tubing		Reservoir Temp. °F ρ		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	11 days						860		945	
1.	2.375		.750				77		386	
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		89	1.000	.9258	1.010	1029
2.							
3.							
4.							
5.							

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

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2091$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1531$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1187$
1		398	158404	757445	
2					
3					
4					

Absolute Open Flow 1187 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: Med. H2O			
Approved By Commission		Conducted By J.J.B.	Calculated By J. J. Barnett
		Checked By	