

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 2-2-82			
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 1-6-82		Total Depth 6047		Plug Back TD 5996		Elevation 5344 GL		Farm or Lease Name Gallegos Canyon Unit	
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 6047	Perforations: From 5897 To 5956		Well No. 181E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5948	Perforations: From open To ended		Unit H	Sec. 34	Twp. 29N	Rge. 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F θ		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	12 Days						560		635	
1.	2.375		.750				52		290	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		64	1.000	.9258	1.007	738
2.							
3.							
4.							
5.							

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

P _c 647	P _c ² 418609	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2786$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2024$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	302	91204	327405
2			
3			
4			
5			

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 887$

Angle of Slope θ _____

Absolute Open Flow _____ 887 _____ Mcfd @ 15.025	Slope, n _____ 75 _____
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Remarks: _____			
Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By