

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 2-15-82	
Company Amoco Production Company			Connection El Paso Natural Gas Company		
Pool Basin			Formation Dakota		Unit
Completion Date 11-22-82		Total Depth 6027 6635		Plug Back TD 5986	Elevation 5428 GL
Farm or Lease Name Gallegos Canyon Unit			Well No. 197E		
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 6027	Perforations: From 5828 To 5960	
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 5958	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F ρ		Baro. Press. - P _g	
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.	Temp. °F	
SI							357		700		
1.	2.375		.750				22		460		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, Mcf/d
1	12.365		34	1.000	.9258	1.004	391
2.							
3.							
4.							
5.							

NO.	F _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.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 712	P _c ² 506944	
NO.	P _w	P _w ²
1	472	222784
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.7840$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 604$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5436$$

Absolute Open Flow _____ 604 _____ Mcf/d @ 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 JB
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