

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 12-30-80	
Company Amoco Production Company		Connection El Paso Natural Gas Company	
Pool Blanco		Formation Pictured Cliff	
Completion Date 12-4-80		Total Depth 3167	Plug Back TD 3145
		Elevation 6405	Unit Shane Gas Com "A"
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3167
		Perforations: From 2981 To 3098	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 3091
		Perforations: From open To ended	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple Single		Packer Set At None	Well No. 1
Producing Thru Tubing		Reservoir Temp. °F a	Mean Annual Temp. °F
		Baro. Press. - P _a	State New Mexico
L	H	Gg	% 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	14 days						950		950	
1.	2.375	.750					260		460	
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		272	1.000	.9608	1.027	3319
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	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.
5.					Critical Temperature	R

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	962	472	925444	222784	702660
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3174$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4195$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2638$

Absolute Open Flow	4195	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks: Flow dry

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