

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 9-10-81			
Company Amoco Production Company				Connection Northwest Pipeline Company					
Pool Otero				Formation Chacra				Unit	
Completion Date 8-18-81		Total Depth 4274		Plug Back TD 4228		Elevation 7002 GL		Farm or Lease Name Jicarilla Contract 148	
Csg. Size 5.500	Wt. 14	d 5.012	Set At 4274	Perforations: From 4116 To 4140		Well No. 25			
Thq. Size 2063	Wt. 3.2	d 1.751	Set At 4138	Perforations: From open To ended		Unit Soc. Twp. Rge. A 15 25N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual						Packer Set At 3347		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F θ		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.		Temp. °F
SI	14 Days						632				
1.	2.375		.750				81				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		93	1.000	.9608	1.008	1114
2.							
3.							
4.							
5.							

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

P _c 644	P _c ² 414736	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1140$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0843$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	206	42436	372300
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1208$

Absolute Open Flow	1208	Mcfd @ 15.025	Angle of Slope θ	Slope, n	.75
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Remarks:

Approved By Commission	Conducted By JJB	Calculated By JJ Barnett	Checked By
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