

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 5-29-81				
Company Amoco Production Company				Connection NWPL					
Pool Otero				Formation Chacra				Unit	
Completion Date 3/22/81		Total Depth 5300		Plug Back TD 5253		Elevation 6513		Farm or Lease Name Jicarilla Contract 155	
Csg. Size 5.500	Wt. 14	d 5.012	Set At 5300	Perforations: From 3675 To 3791		Well No. 27			
Tub. Size 1 1/4	Wt. 2.33	d 1.380	Set At 3807	Perforations: From open To ended		Unit Sec. Twp. Hysp. J 32 26N 5W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual					Packer Set At 3880		County Rio Arriba		
Producing Thru tubing		Reservoir Temp. °F P		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	62 days						878		878	
1.	2.375		.750				72		772	
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		84	1.000	.9608	1.007	1005
2.							
3.							
4.							
5.							

NO.	P _f	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	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature	R _____ H

P _c 890 P _c ² 792100		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.4639$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.0711$	
NO.	P _f	P _w	P _w ²	P _c ² - P _w ²	
1		784	614656	177444	
2					
3					
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3086$

Absolute Open Flow 3086 Mcfd @ 15.025 Angle of Slope ϕ _____ Slope, n .75

Remarks: _____

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