

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 10-9-85	
Company Amoco Production Co.				Connection Northwest Pipeline	
Pool Otero				Formation Chacara	
Completion Date 10-1-85		Total Depth 3887'		Plug Back TD 3846	
				Elevation 6482'	
Farm or Lease Name Jicarilla Cont. 155					
Csq. Size 4.500	Wt. 11.6	d 4.000	Set At 3887	Perforations: From 3700' To 3814'	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 3801	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				County Rio Arriba	
Reservoir Temp. °F #		Mean Annual Temp. °F		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	8 Days						791		794	
1.	2.375		.750				81		278	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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		93	1.000	.9258	1.008	1073
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °F	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mc/bsl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R

P _c 806	P _c ² 649636		
NO.	P _t ²	P _w	P _w ²
1		290	84100
2.			
3.			
4.			
5.			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1487$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1191$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1096$$

Absolute Open Flow	1191	Mcf @ 15.025	Angle of Slope	Slope, n .75
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Remarks: Flared, Lite H₂O

Approved By Division	Conducted By Joe Elledge	Calculated By J. I. Barnett	Checked By
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