

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 3-6-85		RECEIVED MAR 27 1985 OIL CON. DIV. DIST. 3			
Company Amoco Production Co.				Connection Not dedicated					
Pool Otero				Formation Chacra					
Completion Date 2/25/85		Total Depth 3100		Plug Back TD 3060		Elevation 5517 GR		Farm or Lease Name Pollock Gas Com "D"	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 3100	Perforations: From 2796 To 2908		Well No. 1			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 2894	Perforations: From open To ended		Unit I	Sec. 28	Twp. 29	Rye. 10
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At none		County San Juan			
Producing Thru tubing		Reservoir Temp. °F ø		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _q	% 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	7 days						926		942		
1.	2.375		.750				138		356		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		150	1.000	.9285	1.014	1741
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 954	P _c 910	P _c 116	
NO.	P _t ²	P _w	P _c ² - P _w ²
1		368	135424
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1748$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1284$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1965$$

Absolute Open Flow _____ 1965 _____ Mcfd @ 15.025	Angle of Slope ø _____	Slope, n .75
---	------------------------	--------------

Remarks: Lite h₂O, flared

Approved By Division	Conducted By: Bryan Services	Calculated By: JJ Barnett	Checked By:
----------------------	---------------------------------	------------------------------	-----------------