

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

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OIL CON. DIV.
DIS. 3

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 6-27-84	
Company Amoco Production Company				Connection Northwest Pipeline Corporation	
Pool Otero				Formation Chacra	
Completion Date 6-19-84		Total Depth 2988		Plug Back TD 2950	
				Elevation 5601 GR	
Csg. Size 4.500		Wt. 10.5		d 4.052	
Set At 2988		Perforations: From 2835 To 2942		Well No. 1	
Thg. Size 2.375		Wt. 4.7		d 1.995	
Set At 2940		Perforations: From open To ended		Unit Sec. Twp. Rge. A 16 29 11	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At None	
Producing Thru tubing				County San Juan	
Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico	
Baro. Press. - P _a					
L	H	G _g	% 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	7 days						767		767	
1.	2.375	.750					105		306	
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		117	1.000	.9258	1.013	1357
2.							
3.							
4.							
5.							

NO.	P _t	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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t	P _w	P _e	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.2000$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.1465$
1		318	101124	505717		
2						
3						
4						
5						

Absolute Open Flow 1556 Mcfd @ 15.025				Angle of Slope @ _____		Slope, n .75	
Remarks: Med H ₂ O spray, flared Drilled by True							
Approved By Division		Conducted By: J. Barnett		Calculated By: J. Barnett		Checked By:	