

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 01-09-80	
Company Amoco Production Co.		Connection Northwest Pipeline Co.	
Pool Basin		Formation Dakota	
Completion Date 12-22-79		Total Depth 7447	Plug Back TD 7400
		Elevation 6605 GL	
Ceq. Size 4.500		Wt. 11.6	d 4.000
Set At 7447		Perforations: From 7092 To 7320	
Thq. Size 2.375		Wt. 4.7	d 1.995
Set At 7240		Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE		Packer Set At NONE	
Producing Thru TUBING		Baro. Press. - P _a	
Reservoir Temp. °F #		Mean Annual Temp. °F	
County RIO ARriba		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	10 days						1935		1955	
1.	2.375	.750					103		586	
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		115	1.000	.9258	1.015	1336
2.							
3.							
4.							
5.							

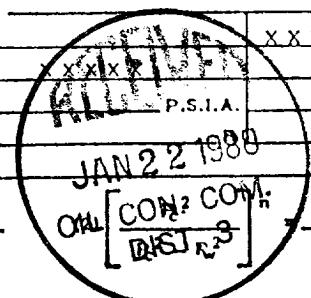
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ °R

P _c 1967	P _c ² 3869089	
NO.	P _t ²	P _w
1	598	3511485
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.1018$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1437$

$\frac{P_c^2}{P_t^2 - P_w^2} = 1.0754$



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

Approved By Division	Conducted By JB	Calculated By JB	Checked By B. E. FACKRELL
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