

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 10/3/84	
Company Amoco Production Company		Connection Northwest Pipeline	
Pool Basin		Formation Dakota	
Completion Date 8/22/84		Total Depth 8166	Plug Back TD 8140
		Elevation 6415 GL	Unit OIL CON. DIV
Csg. Size 4.500	Wt. 11.6	d 4000	Set At 8166
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 8100
Perforations: From 7948 To 8110		Well No. 102	
Perforations: From open To ended		Unit Sec. Twp. Rge. I 30 31 5	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single-Commingle		Packer Set At 7403	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a New Mexico
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.		Temp. °F
SI	34 days						2500		X		
1.	2.375	.500					480		X		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	5.4315		492	1.000	.9258	1.062	2627
2.							
3.							
4.							
5.							

NO.	P _r	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

P _c 2512	P _c ² 6310144	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0414$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0309$
NO	P _i ²	P _w	P _w ²
1		501	251001
2			
3			
4			
5			

Absolute Open Flow 2708 Mcfd @ 15.025		Angle of Slope @ _____	Slope, n 75
Remarks: flared, Lite H ₂ O			
Approved By Division		Conducted By: J. Barnett	Calculated By: J. Barnett
			Checked By: