

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 8-9-85		AUG 26 1985 AL CON. DIV. 1 DIST. 3		
Company Amoco Production Co.				Connection Northwest Pipeline Corp.					
Pool Undes.				Formation Gallup					
Completion Date 7-14-85		Total Depth 8546		Plug Back TD 8500		Elevation 6780 GR		Farm or Lease Name Rosa Unit	
Csq. Size 4.500	Wt. 11.6	d 4.000	Set At 8546	Perforations: From 7320 To 7680			Well No. 112Y		
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7831	Perforations: From sliding To sleeve			Unit Sec. Twp. Rye. M 27 31 5		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple commingled					Packer Set At 7841		County Rio Arriba		
Producing Thru tubing		Reservoir Temp. °F β		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.	
SI	24 days						2520		2501	
1.	2.375		.750				88		303	
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		100	1.000	.9258	1.001	1157
2.							
3.							
4.							
5.							

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

P _c 2532	P _c ² 6411024			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0157$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0118$
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		315	99225	6311799	
2					
3					
4					
5					

Absolute Open Flow _____ 1171 _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .75	
Remarks: _____ Lite H2O							

Approved By Division	Conducted By: B & R Services	Calculated By: J.J. Barnett	Checked By:
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