

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 5-22-85		Flare	
Company Amoco Production Co.		Connection Northwest Pipeline		846203-01-6	
Pool undes.		Formation Gallup		Unit	
Completion Date 4-26-85		Total Depth 8881		Plug Back TD 8730	
Casing Size 4.500		Set At 8881		Elevation 7018GR	
Tri. Size 2.375		Set At 7947		Form or Lease Name Rosa Unit	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Commingled		Packer Set At BP-8300		Well No. 106	
Producing Thru tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F	
L		H		Baro. Press. - P _a	
Cg		% CO ₂		% H ₂ S	
Prover		Meter Run		Taps	
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1	7 days				
2	2.375	.750			
3					
4					
5					
RATE OF FLOW CALCULATIONS			Duration of Flow		
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Grav. Factor F _g
1	12.365		103	1.000	.9258
2					
3					
4					
5					
Super Compress. Factor, F _{sp}			Rate of Flow Q, Mhd		
1.011			1192		
JUN 19 1985			OIL CON. DIV. DIST. 3		
NO.	R	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio
1					A.P.L. Gravity of Liquid Hydrocarbons
2					Specific Gravity Separator Gas
3					Specific Gravity Flowing Fluid
4					Critical Pressure
5					Critical Temperature
P _c 2210		P _c ² 4884100		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0201$	
NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0151$
1		310	96100	4788000	
2					
3					
4					
5					
Absolute Open Flow 1210		Mhd @ 15.025		Angle of Slope 75	
Remarks: No flare, Heavy H2O					
Approved By Division		Conducted By R&R Services		Calculated By J.J. Barnett	
				Checked By	