

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 1-18-86	
Company Amoco Production Co.				Connection El Paso	
Pool Basin				Formation Dakota	
Completion Date 12-28-85		Total Depth 7610		Plug Back TD 7600	
				Elevation 6328GR	
Csg. Size 4.500		Wt. 11.6		d 4.000	
Set At 7610		Perforations: From 7310 To 7586		Well No. 3R	
Tub. Size 2.375		Wt. 4.7		d 1.995	
Set At 7570		Perforations: From OPEN To ENDED		Unit Sec. Twp. Rge. K 24 30 10	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE				Packer Set At NONE	
Producing Thru Tubing		Reservoir Temp. °F n		Mean Annual Temp. °F	
				Baro. Press. - P ₀	
L		H		G _g	
				% CO ₂	
				% N ₂	
				% H ₂ S	
				Prover	
				Meter Run	
				Taps	
COUNTY San Juan					
STATE New Mexico					

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	7 day						872		1275		
1.	2.375	.750					132		523		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcd
1	12.365		154	1.000	.9258	1.016	1791
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.2089$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.1529$
1		535	286225	1370144		
2.						
3.						
4.						
5.						

Absolute Open Flow 2065				Mcd @ 15.025		Angle of Slope		Slope, n. .75		
Remarks: Flared, Lite H2O, Lite Condensate										
Approved By Division			Conducted By: Bryan Services			Calculated By: J.J. Barnett			Checked By: [Signature]	