

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 01 31 80	
Company AMOCO PRODUCTION COMPANY			Connection EL PASO NATURAL GAS COMPANY		
Pool BASIN			Formation DAKOTA		Unit
Completion Date 01 05 80		Total Depth 6821		Plug Back TD 6785	Elevation 5649 GL
Farm or Lease Name JAEQUEZ GAS COM D			Well No.		
Csq. Size 4.500	Wt. 11.6	d 4.000	Set At 6821	Perforations: From 6535 To 6750	1R
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6761	Perforations: From open To ended	Unit Sec. Twp. Rge. 2 N 6 29 9
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE	
Producing Thru TUBING		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _a NONE		County SAN JUAN			
State NEW MEXICO		Meter Run Taps			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
SI	8 days				
1.	2.375	.750			
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
1	12.365		247	1.000	.9258
2.					
3.					
4.					
5.					
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	1677				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
$P_c = 1677 \quad P_c^2 = 2812220$ $(1) \frac{P_c^2}{P_t^2 - P_w^2} = 1.5218 \quad (2) \left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.3702$					
NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	
1		982	964224	1848005	
2					
3					
4					
5					
$AOF = Q \left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 3987$					
Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope @ _____					
Remarks: _____					
Approved By Division		Conducted By: TTR		Calculated By: T T BARNETT	
				Checked By: B E BARNETT	

