

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6/27/83		O. C. D. ARTEGA, OFFICE	
Company Petrochem Development Corporation		Connection Air			
Pool Pecos Slope Abo		Formation Abo		Unit	
Completion Date 6/15/83		Total Depth 4650		Plug Back TD 4600	
Elevation 3705		Form or Lease Name ISLER PENNZOIL FED.		Well No. #1	
Csg. Size 4.5		Wt. 10.5		Perforations: From 4164 To 4441	
Tub. Size 2 3/8"		Wt. 4.7		Perforations: From Open To Ended	
Type Well - Single - Brdenhead - G.C. or G.O. Multiple Single Gas		Packer Set At None		County Chaves	
Producing Thru Tubing		Reservoir Temp. °F 60		Baro. Press. - P _g 13.2	
State NM		Meter Run 4.026		Taps FLG	
L		H		Cg .642	
% CO ₂		% N ₂		% H ₂ S	
Prover		Prover		Prover	
FLOW DATA		TUBING DATA		CASING DATA	
Duration of Flow		Press. p.s.i.g.		Temp. °F	
NO.		Prover Line Size		X	
SI		Orifice Size		Press. p.s.i.g.	
1.		4.026		1.625	
2.		4.026		1.625	
3.		4.026		1.625	
4.		4.026		1.625	
5.					
RATE OF FLOW CALCULATIONS		Pressure P _m		Flow Temp. Factor F _t	
NO.		Coefficient (24 Hour)		Gravity Factor F _g	
1		12.79		.1248	
2		12.79		.1248	
3		12.79		.1248	
4		12.79		.1248	
5					
Gas Liquid Hydrocarbon Ratio		A.P.I. Gravity of Liquid Hydrocarbons		Super Compress. Factor, F _{sp}	
1		.3182		1.019	
2		.3182		1.019	
3		.3182		1.019	
4		.3182		1.019	
5					
Critical Pressure		Critical Temperature		P.S.I.A.	
670		372		R	
F _c 986.2		P _c 972.6			
NO.		P _r ²		P _w ²	
1		968.2		937.4	
2		918.2		843.1	
3		883.2		786.0	
4		833.2		694.2	
5					
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.494$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.443$			
AOF = 0		$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2139$			
Absolute Open Flow		Mold @ 15.025		Angle of Slope θ	
2139				Slope, n = .293	
Remarks:					
Approved By Division		Conducted By:		Calculated By: JCI	
				Checked By:	