

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 8-13-79	
Company SUPRON ENERGY CORPORATION		Connection Gas Company of New Mexico	
Pool Tapacito		Formation Pictured Cliffs	
Completion Date 6-3-79		Total Depth 8350	Plug Back TD 8331
		Elevation 7190 R.K.B.	
Furn or Lease Name Jicarilla "F"		Well No. 1	
Req. Size 7.000 5.000	Wt. 20.00 15.00	d 6.456 4.408	Let At 5419 5219-8350
Perforations: From 3800 To 3814		Perforations: From No Perforations To	
Tub. Size 1.900	Wt. 2.90	d 1.610	Let At 3786
Type Well - Single - Blindhead - G.G. or G.O. Multiple Dual - Gas - Oil		Packer Set At 7638	
Producing Thru Tubing		Baro. Press. - P _a 12	
County Rio Arriba		State New Mexico	
L 3.776	H	G _g 0.620	% CO ₂
			% N ₂
			% H ₂ S
			Prover
			Meter Run
			Taps

NO.	FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
	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	2"		3/4"				993		993	40 days
1.							49	59°	206	3 hours
2.										
3.										
4.										
5.										

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow O, Mcfd
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_w^2 - P_w^2} = 1.0494$	(2) $\left[\frac{P_c^2}{P_w^2 - P_w^2} \right]^n = 1.0418$
2						
3						
4						
5						

AOF = O $\left[\frac{P_c^2}{P_w^2 - P_w^2} \right]^n = 774$

Absolute Open Flow 774 Mcfd @ 15.025 Angle of Slope 0.85

Remarks:

Approved by Division _____ Conducted By: _____ Calculated By: _____ Checked By: _____