

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 3/11/81	
Company Supron Energy Corporation		Connection (Hill)	
Pool Ballard		Formation Pictures Cliffs	
Completion Date 2/3/81		Total Depth 4500	Plug Back TD
Elevation		Farm or Lease Name Newsom B	
Cor. Size 4.50	Wt. 10.50	d 4.052	Set At 4839
Perforations: From 2026 To 2107		Well No. 20 (PC)	
Trp. Size 2.375	Wt. 4.7	d 1.995	Set At 4271
Perforations: From To		Unit Sec. Twp. Rge. 1 5 - 26 - 8 W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G - G Multiple		Packer Set At 4245	
Producing Thru Casing		Reservoir Temp. °F P	Mean Annual Temp. °F
Baro. Press. - P _g		State New Mexico	
L	H	G _g est. .650	% CO ₂
% N ₂	% H ₂ S	Prover	Meter Run
Taps			
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
			Press. p.s.i.g.
			Diff. h _w
			Temp. °F
SI			
1.		.750	121
2.			56
3.			
4.			
5.			
TUBING DATA			
			Press. p.s.i.g.
			Temp. °F
CASING DATA			
			Press. p.s.i.g.
			Temp. °F
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 _{pv}
			Rate of Flow Q, Mcfd
1	12.365		133
2.			1.0039
3.			.9608
4.			1.0000
5.			1586
NO.	P _r	Temp. °R	T _r
			Z
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A.			
Critical Temperature _____ B _____ R			
P _c	508	P _c ²	258064
NO.	P _i ²	P _w	P _w ²
			P _c ² - P _w ²
1	17689	135	18289
2			239775
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0763$			
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0645$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1688$			
Absolute Open Flow 1688 Mcfd @ 15.025			
Angle of Slope θ _____ Slope, n .85			
Remarks: Dry throughout test.			
Approved by Division			
Conducted By: CRW			
Calculated By: <i>Al Kendrick</i>			
Checked By:			