

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type of Test ☒ Initial ☐ Annual ☐ Special		Test Date 8/31/81	
Company Supron Energy Corporation		Connection	
Pool Ballard		Formation Pictured Cliffs	
Completion Date 8/20/81		Total Depth 3001	
Plug Back TD		Elevation 6299 G	
Factor or Lease Name Nickson		Well No. 21	
Csg. Size 2.875	Int. 6.40	o 2.411	Set At 2885
Perforations: From 2130 To 2160		Well No. 21	
Trq. Size None	Int. d	Set At	Perforations: From To
Type Well - Single - Horizontal - G.G. or G.O. Multiple Single		Fucker Set At	
Producing Thru Casing		County San Juan	
Heatwell Temp. *F B		State New Mexico	
Mean Annual Temp. *F		Baro. Press. = P _a	
L	H	G _g est. .650	% CO ₂ % H ₂ % H ₂ S
Prover		Meter Run Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. Inch	Temp. *F	Press. p.s.i.g.	Temp. *F	Press. p.s.i.g.		Temp. *F
1.			.750	7		58			746		11 day
2.									7	58	3 Hrs
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, Mhd
1.	12.365		19	1.0019	.9608	1.0000	226
2.							
3.							
4.							
5.							

NO.	P _r	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	Critical Temperature
1.	758									
2.										
3.										
4.										
5.										

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2}$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n$
1.	361	23	512	574052	1.0009	1.0008
2.						
3.						
4.						
5.						

Absolute Open Flow		226	Mhd @ 15.025	Angle of Slope	44	Slope, n	.85
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Remarks: Trace of water and condensate throughout test.

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