

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☒ Initial ☐ Annual ☐ Special					Test Date: 5/7/81				
Company: Supron Energy Corporation					Connection:				
Well: Ballard					Formation: Pictured Cliffs		Unit:		
Completion Date: 4/30/81		Total Depth: 3017		Plug Back TD: 2975		Elevation: 6897 G		Farm or Lease Name: Newsom A	
Coq. Size: 2.875	Wt.: 6.40	d: 2.441	Set At: 2990	Perforations: From 2776 To 2824		Well No.: 10			
Trq. Size: None	Wt.:	d:	Set At:	Perforations: From To		Unit: 0-10-26N-8W		Sec: Twp. Rge.	
Type Well - Single - Broadhead - G.G. or G.O. Multiple: Single					Packer Set At:		County: San Juan		
Producing Thru: Casing		Reservoir Temp. °F: #		Mean Annual Temp. °F:		Boro. Press. - P _g :		State: New Mexico	
L	H	Cg est. .650		% CO ₂	% N 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							None		712		7 days
1.			.750	216		62			216	62	3 Hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super. Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		228	.9981	.9608	1.0000	2704.
2.							
3.							
4.							
5.							

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

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1793$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1505$
1	724	282	79676	444480		
2						
3						
4						
5						

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3111$
1					
2					
3					
4					
5					

Absolute Open Flow: 3111 Mcfd @ 15.025		Angle of Slope: .85	
Remarks: Dry			

Approved By Division:	Conducted By: CRW	Calculated By: CR Kendrick	Checked By:
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