

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2058

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

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	
Completion Date 4/30/81		Total Depth 3200		Plug Back TD 3170	
				Elevation 6938 G	
Csg. Size 2.875		Wt. 6.40		Set At 3183	
Perforations: From 2688 To 2774		Well No. 20			
Trg. Size None		Set At		Perforations: From To	
				Unit Sec. Twp. Rge. P-26-26N-8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Casing				County San Juan	
Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico					
L	H	G _g est. .650	% CO ₂	% H ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration	
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	of Flow
SI							None		610		7 days
1.			.750	12		58			12	58	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. Comp. Factor, Fpv	Rate of Flow Q, Mhd
1	12.3650		24	1.0019	.9608	1.0000	286
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 P.S.I.A.	Critical Temperature °R
1.										
2.										
3.										
4.										
5.										

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1	622	30	876	386008
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0023$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 287$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0019$$

Absolute Open Flow	287	Mhd @ 15.025	Angle of Slope	Slope, n	.85
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Remarks: Dry

Approved By Division	Conducted By:	Calculated By:	Checked By:
	CRW	<i>W. R. K...</i>	