

OIL CONSERVATION DIVISION

P. O. BOX 2008

Form C-122
Revised 10-1-7STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 5/13/81	
Company Supron Energy Corporation		Connection Southern Union Gathering Co.	
Pool Bloomfield Ext.		Formation Chacra	
Completion Date 4/28/81		Total Depth 6563	Plug Back TD 6522
		Elevation 5730	
Casing Size 4.500	Wt. 10.50	Set At 4.052	6563
Perforations From 2834 To 2948			
Perforations From To			
Type Well - Single - Broadhead - C.G. or C.O. Multiple Dual - Gas - Gas		Packer Set At 6203	County San Juan
Producing thru Casing	Reservoir Temp. °F P	Annual Temp. °F	Baro. Press. - P ₀ 12
State New Mexico		Mileer Run Tops	
L 2824	H	G ₀ 0.650	% N ₂ % H ₂ S Prover

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	2"		3/4"						863		7 Days
1.									217	68°	3 Hours
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 F _g	Super Compress. Factor, F _{pv}	Flow Rate, Mcf/D
1	12.3650		229	0.9924	0.9608	1.021	2757
2.							
3.							
4.							
5.							

NO.	P ₁	Temp. °R	T ₁	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.										
2.										
3.										
4.										
5.										

P ₁ 875	P ₂ 765,625	(1) $\frac{P_2^2}{P_1^2 - P_2^2} \times 1.0953$	(2) $\left[\frac{P_2^2}{P_1^2 - P_2^2} \right]^n = 1.0706$
NO.	P ₁	P ₂	P ₁ ² - P ₂ ²
1			66,605
2			699,020
3			
4			
5			

Absolute Open Flow 2952	Mold # 15.075	Angle of Slope	Slope, n 0.75
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Remarks	
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Approved by Division	Conducted By	Calculated By	Checked By
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