

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

☒ Initial ☐ Annual ☐ Special Date: 6/10/81			
Company: Supron Energy Corporation		Connection:	
Well: South Blanco ext.		Formation: Pictured Cliffs	
Completion Date: 6/3/81	Fluid: Gas	Flow Rate TD:	Elevation: 6229 G
Casing Size: 4.500 ID: 10.50 WT: 4.052 Set At: 7010 Tubing Size: 1.900 ID: 2.90 WT: 1.610 Set At: 6534	Perforations: From 2216 To 2215 Perforations: From To	Well No.: 11E	
Type Well: G - G Multiple		Perforator Set At: 6390	County: San Juan
Producing Zone: Casing	Fracture Temp. °F: 4	Mean Annual Temp. °F:	State: New Mexico
L: 1	H: 1	Gas: est. .650	N ₂ : O ₂ : H ₂ S:

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
Well	Flow Rate	Pressure	Temp.	Flow Rate	Temp.	Flow Rate	Temp.			
51				1776 (D)		699 (PG)		7 days		
1.	.750	31	61	1776 (D)		31 (PG)	61	3 Hrs.		
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
Well	Coefficient (24 Hour)	$\sqrt{L P_m}$	Pressure P_m	Flow Temp. Factor F_L	Gravity Factor F_g	Super Compens. Factor, F_{sc}	Rate of Flow Q, Mscf/d
1	12.365		13	.9990	.9606	1.0000	510
2.							
3.							
4.							
5.							

NO.	R	Temp. °R	T	Z	Gas Liquid Hydrocarbon Ratio	Specific Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Floating Film Oil	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

NO.	P_1	P_2	P_1^2	P_2^2	$P_1^2 - P_2^2$
1	1849	15	2036	503455	
2					
3					
4					
5					

$$ACF = Q \left[\frac{P_1^2}{P_2^2 - P_1^2} \right]^* = 512$$

$$\left[\frac{P_1^2}{P_2^2 - P_1^2} \right]^* = 1.0034$$

Absolute Open Flow: 512	Mod # 15.025	Angle of Slope θ :	Slope, n : .85
Remarks: Dry			

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