

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5/28/81	
Company Supron Energy Corporation				Connection	
Pool Blanco				Formation Mesaverde	
Completion Date 5/9/81		Total Depth 8248		Plug Back TD 8248	
Casing Size 5.500		Casing ID 5.012 L		Elevation 7158 G	
Well No. 13E		Set At 3788		Perforations: From 5986 To 6135	
Well No. 13E		Set At 5908		Perforations: From To	
Type Well - Single - Broadband - G.G. or G.O. Multiple Single				Foster Set At	
Producing Thru Casing				County Rio Arriba	
Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico	
L		H		Gg	
est. .650		% CO ₂		% H ₂ S	
Prover		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Critical 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							1203		1203		19 days
1.			.750	274		62	274	62	977		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, Mcf/d
1	12.3650		286	.9981	.9608	1.0000	3391
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	1215									
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	989	978121	498104		2.9637	2.2588
2.						
3.						
4.						
5.						

Absolute Open Flow				Angle of Slope	
7660				.75	

Remarks: Flared - no estimate of condensate.	
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Approved By Division	Conducted By: CRW	Calculated By: <i>CRW</i>	Checked By:
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