

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2/19/81	
Company Supron Energy Corp. (Llewellyn)				Connection			
Pool Basin				Formation Dakota		Unit	
Completion Date 2/10/81		Total Depth 7000'		Plug Back TD		Elevation 5645'	
Csg. Size 4.500		WT. 10.5		Set At 4.052 6976		Perforations: From 6218 To 6414	
Thq. Size 1.995		WT. 2.9		Set At 1.610 6082		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At	
Producing Thru Tubing						County San Juan	
Reservoir Temp. *F P		Mean Annual Temp. *F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps
		est. .650					

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							1497		1497		9 days
1.			.750	53		52	53	52	421		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 F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Mhd
1	12.365		65	1.0078		1.0000	778
2.							
3.							
4.							
5.							

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 MAR 10 1981
 OIL CO. DIST. COM.

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Factor	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity Separate Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature R	Mcf/bbl. Deg.
1											X X X X X X X X
2.											X X X X X
3.											
4.											
5.											

P _c 1509 P _c ² 2277081				
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1	4225	213	45223	2231858
2.				
3.				
4.				
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0203$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0152$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 790$$

Absolute Open Flow 790 Mhd @ 15.025		Angle of Slope @ Slope, n .75	
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Remarks: Heavy fog of distillate and water throughout test.

Approved By Commission	Conducted By CRW	Calculated By 	Checked By
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