

P. O. BOX 2088

Form C-122
Revised 10-1-7

STATE 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 6/3/81	
Company Supron Energy Corporation		Connection Southern Union Gathering Co.	
Pool Basin		Formation Dakota	
Completion Date 4/28/81	Total Depth 6563	Plug Hole TD 6522	Elevation 5730
Casing Size 4.500	WT. 10.50	ID 4.052	Set At 6563
Tubing Size 2.375	WT. 4.70	ID 1.995	Set At 6212
Perforations: From 6264 To 6360		No Perforations	
Type Well - Single - Broadhead - G.G. or C.O. Multiple Dual - Gas - Gas		Packer Set At 6203	County San Juan
Producing thru Tubing	Reservoir Temp. °F P	Annual Temp. °F 12	State New Mexico
L 6202	H	Cg 0.650	% N ₂
		% H ₂ S	Provel
		Meter Run	Topo

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Provel Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hwy	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	2"		3/4"				684 107	62°			28 Days 3 Hours
1.											
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 Compress. Factor, Fpv	Flow Q, Mcfd
1	12.3650		119	0.9981	0.9608	1.010	1425
2.							
3.							
4.							
5.							

NO.	P _i	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	696									
2										
3										
4										
5										

NO.	P _i ²	P _w ²	I _e ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{I_e^2 - I_w^2} =$	(2) $\left[\frac{I_e^2}{I_e^2 - I_w^2} \right]^n =$
1	696	484,416	59,755	424,661	1.1407	1.1037
2						
3						
4						
5						

NO.	AOG = Q	[$\frac{I_e^2}{I_e^2 - I_w^2} $] ⁿ
1	1573	1573
2.		
3.		
4.		
5.		

Absolute Open Flow	1573	Mold # 15.025	Angle of Slope @	Slope, n 0.75
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Approved by Division	Conducted By:	Calculated By:	Checked By:
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