

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 3-15-79	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 2-19-79		Total Depth 8084		Plug Back TD 8060		Elevation 6579 Gr.
Casing Size 5.625		ID 4.968		Perforations: From 5357 To 5981		Well No. 6-A
Tubing Size 2.0625		ID 1.750		Perforations: From 5777 To 5785		Unit Sec. Twp. Rge. P 20 31N 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas					Packer Set At 7870	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12		State New Mexico
L 5763	H	G _g 0.640	% CO ₂	% H ₂	% H ₂ S	Prover
Meter Run		Taps				

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"				574		574		20 days
1.							80	57°	440		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 Fg	Super. Comp. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1	12.3650		92	1.0029	0.9682	1.000	1105
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas _____ X X X X X X X X	
3.					Specific Gravity Flowing Fluid _____ X X X X X	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.					Critical Temperature _____ R _____ R	

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	586	452	343,396	204,304	139,092
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.4688$

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2176$

(2) $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} \right]^n = 1.9695$

Absolute Open Flow	2176	Mcf/d @ 15.025	Angle of Slope @	0.75
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Remarks:

Approved By Commission	Conducted By Bennie Brown	Calculated By Kenneth E. Roddy	Checked By
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