

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 5-27-80	
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 4-28-80		Total Depth 7910		Plug Back TD 7897		Elevation 6874
Gas Size 5.500	Wt. 15.50	d 4.950	Set At 7910	Perforations: From 5621 To 5735		Well No. 6
Trg. Size 2.0625	Wt. 3.25	d 1.750	Set At 5527	Perforations: From 5456 To 5462		Unit Sec. Twp. Rge. L 34 26-N 4-W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7608		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12		State New Mexico
L 5446	H	Gg 0.650	% CO ₂	% N 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
1	2"		3/4"				1251		1251		7 days
2							121	59°	546		3 hours
3											
4											
5											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		133	1.0010	0.9608	1.012	1601
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _r	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

P _c 1263	P _c ² 1,595,169	
NO.	P _t ²	P _w ²
1	558	311,364
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.2425}{1.2425 - 0.311364} = 1.2425$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.2425}{1.2425 - 0.311364} = 1.1768$	
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1884$			

Absolute Open Flow 1884 Mcfd @ 15.075	Angle of Slope θ _____	Slope, n 0.75
Remarks:		

Approved By Commission:	Conducted By: John Rector	Calculated By: Kenneth E. Roddy	Checked By:
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