

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 10/13/78	
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico	
Pool Blanco				Formation Mesaverde	
Completion Date 9/9/78		Total Depth 6100		Plug Back TD 6016	
				Elevation 7162 Gr.	
Farm or Lease Name Jicarilla "D"					
Csg. Size 7.000		ID 23.00		Perforations: From 5937 To 6015	
4.500		10.50			
Tbg. Size 1.900		WT. 2.90		Perforations: From _____ To _____	
		1.610			
		5941			
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At _____	
Producing Thru Tubing				Baro. Press. - P _a 12	
Reservoir Temp. °F @				State New Mexico	
L 5.927		H		G _g 0.620	
				% 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
SI	2"		3/4"				990		990		8 days
1.							125	54°	524		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 _{pv}	Rate of Flow Q, Mcfd
1	12.3650		137	1.0058	0.9837	1.012	1696
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 1002	P _c ² 1,004,004	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4009$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2876$
NO.	P _w	P _w ²	P _w ² - P _c ²
1	536	287,296	716,708
2			
3			
4			
5			

$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2184$

Absolute Open Flow 2184	Mcf/d @ 15.025	Angle of Slope @	Slope, n 0.75
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Remarks:			

Approved By Commission	Conducted By John Rector	Calculated By Ken Roddy	Checked By
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