

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 2-13-79											
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico							
Pool Wildhorse				Formation Gallup							
Completion Date 1-17-79		Total Depth 7824		Plug Back TD 7815							
Elevation 6730 Gr.		Farm or Lease Name Jicarilla "E"									
Csg. Size 7.625 5.500		Wt. 26.40 15.50		Perforations: From 7621 To 7773							
Thq. Size 2.0625		Wt. 3.25		Perforations: From 7098 To 7106							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7582							
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F 12							
Baro. Press. - P _a 12		State New Mexico									
L .7092		H 0.680		Prover Meter Run Taps							
FLOW DATA TUBING DATA CASING DATA											
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	Duration of Flow
SI	2"		3/4"				443		448		7 days
1.							38	54°	257		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	12.3650		50	1.0058	0.9393	1.0000	584				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R						
1											
2.											
3.											
4.											
5.											
P _c = 460 P _c ² = 211,600					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.7401}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.5156}$						
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{885}$						
1		300	90,000	121,600							
2											
3											
4											
Absolute Open Flow 885 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75											
Remarks: _____											
Approved By Commission		Conducted By John C. Rector		Calculated By John C. Rector		Checked By					