

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 7-24-79			
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico					
Pool Basin Wildhorse				Location Dakota Gallup				Unit	
Completion Date 6-17-79		Total Depth 8044		Plug Back TD 8010		Elevation 6954		Farm or Lease Name Jicarilla "E"	
Csg. Size 7.625 5.500	Wt. 26.40 15.50	d 6.969 4.950	Set At 3844 8044	Perforations: From 7311 To 7980				Well No. 7	
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 7819	Perforations: From 7749 To 7757				Unit Sec. Twp. Hgt. P 15 26N 4W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual - Gas - Gas						Packer Set At 7294		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 7739	H	Gg 0.700	% 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
51	2"		3/4"				510				7 days
1.							16	58°			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 Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		28	1.0019	0.9258	1.0000	321
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/lbl.
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 522	P _c ² 272,484		
NO.	P _w	P _w ²	P _c ² - P _w ²
1		9885	262,599
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0376$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0280$

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 330$

Absolute Open Flow 330	Mcfd @ 15.025	Angle of Slope	Slope, n 0.75
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Remarks:

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