

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 8-1-79	
Company Supron Energy Corporation			Connection Gas Company of New Mexico		
Pool Blanco			Formation Mesaverde		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 5726 To 5882	
Well No. 7					
Trg. Size 1.900	Wt. 2.75	d 1.610	Set At 5777	Perforations: From 5769 To 5777	
Unit Sec. Twp. Rge. P 15 26N 4W					
Type Well - Single - Bradenhead - G.G. 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 12	Baro. Press. - P _a 12	
State New Mexico					
L 5759	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	
SI	2"		3/4"				1221		1221		14 days
1.							163	54°	668		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		175	1.0058	0.9608	1.018	2129
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/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.
5.					Critical Temperature	R

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1233	680	462,400	1,057,889	1.4371	1.3125
2.						
3.						
4.						
5.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2794$

Absolute Open Flow	2794	Mcfd @ 15.025	Angle of Slope θ	Flow n	0.75
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Remarks:

Approved By Commission:	Conducted By: Gene Current	Calculated By: Kenneth E. Roddy	Checked By:
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