

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 6/19/80				
Company Supron Energy Corporation				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 6/6/80		Total Depth 7110		Plug Back TD 7066		Elevation 6658		Farm or Lease Name Jicarilla "L"	
Log. Size 5.500	Wt. 15.50	d 4.950	Set At 7910	Perforations: From 6909 To 6963			Well No. 2-E		
Log. Size 2.375	Wt. 4.70	d 1.995	Set At 6967	Perforations: From Open End To			Unit D	Sec. Twp. Rge. 10 24N 5W	
Type Well - Single - Bradenness - G.G. or G.O. Multiple Single					Packer Set At ---		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 6957	H	G _g 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"				1237		1490		7 Days
2							122	58	431		3 Hours
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		134	1.0019	0.9608	1.012	1614
2							
3							
4							
5							

NO.	P _f	Temp. °F	T _f	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 1502	P _c ² 2,256,004		
NO.	P _f ²	P _w ²	P _c ² - P _w ²
1		443	196,249
2			2,059,755
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0953$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1728$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0706$

Absolute Open Flow 1728	Mcf/d @ 15.025	Angle of Slope	Slope, n 0.75
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Remarks:

Approved By Commission:	Conducted By: Doyal L. Parrte	Calculated By: Kenneth E. Roddy	Checked By:
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