

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/15/79	
Company Supron Energy Corporation				Connection Gas Company of New Mexico	
Pool South Blanco				Formation Pictured Cliffs	
Completion Date 8/3/79		Total Depth 3260		Plug Back TD 3228	
				Elevation 6678 RKB	
Csg. Size 2.875		Wt. 6.50		Set At 3269	
Perforations: From 3130		To 3185		Well No. 18	
Tub. Size NO TUBING		Wt. d		Set At Perforations: From To	
Type Well - Single - Drivenhead - G.C. or G.O. Multiple Single				Packer Set At ----	
Producing Thru Casing				Baro. Press. - P _a 12	
Reservoir Temp. °F #				Mean Annual Temp. °F	
L 3255		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"						1045		7 Days
1.									160	56°	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		172	1.0039	0.9837	1.015	2132
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1					Specific Gravity Separator Gas _____	XXXXXX
2.					Specific Gravity Flowing Fluid _____	XXXXX
3.					Critical Pressure _____ P.S.I.A.	P.S.I.A.
4.					Critical Temperature _____ R	H
5.						

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0456$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0386$
1			48,772	1,068,477		
2						
3						
4						
5						

Absolute Open Flow 2214 Mcfd @ 15.025 Angle of Slope 0.85

Remarks: _____

Approved By Division _____ Conducted By: _____ Calculated By: _____ Checked By: _____
 David Barnett Kenneth E. Roddy