NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 5-18-79	
Company: Supron Energy Corporation	Connection: Gas Company of New Mexico			
Pool: Blanco	Formation: Mesaverde		Unit	
Completion Date: 4-25-79	Total Depth: 7884	Plug Back TD: 7833	Elevation: 6781 Gr.	Farm or Lease Name: Jicarilla "H"
Csg. Size: 7.625 / 5.500 — Wt.: 26.40 / 15.50 — d: 6.969 / 4.950 — Set At: 3696 / 7875		Perforations: From 5083 To 5839		Well No.: 11
Tbg. Size: 2.0625 — Wt.: 3.25 — d: 1.750 — Set At: 5686		Perforations: From 5680 To 5686		Unit: E — Sec.: 18 — Twp.: 26N — Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 7650		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
5666		0.650						

	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"				1108		1108		14 days
1.						135	75°	571		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		147	0.9859	0.9608	1.012	1742
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1120 P_c^2 1,254,400

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		583	339,889	914,511
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3717$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2674$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2208$

Absolute Open Flow 2208 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

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