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: 8-27-80	
Company: SUPRON ENERGY CORPORATION			Connection: El Paso Natural Gas Company		
Pool: Blanco			Formation: Mesaverde		Unit
Completion Date: 8-5-80	Total Depth: 6720		Plug Back TD: 6615	Elevation: 6074	Farm or Lease Name: Navajo Indian "B"
Csg. Size: 5.500 / Wt.: 15.50 / d: 4.950 / Set At: 6720			Perforations: From 4289 To 4580		Well No.: 5-M
Tbg. Size: 2.0625 / Wt.: 3.25 / d: 1.750 / Set At: 4520			Perforations: From 4449 To 4455		Unit: E / Sec.: 30 / Twp.: 27-N / Rge.: 8-W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas			Packer Set At: 6321		County: San Juan
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
4510		0.670						

	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"				825		825		14 days
1.						18	71°	309		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		30	0.9896	0.9463	1.000	347
2							
3							
4							
5							

NO.	P_t	Temp. °R	T_t	Z
1				
2.				
3.				
4.				
5				

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

P_c 837 P_c^2 700,569

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		321	103,041	597,528
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1724$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1266$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 391$

Absolute Open Flow 391 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

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