NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test			Test Date	
[X] Initial	[ ] Annual	[ ] Special	7-10-79	

Company	Connection	
SUPRON ENERGY CORPORATION	Gas Company of New Mexico	

Pool	Formation	Unit
Basin	Dakota	

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
4-25-79	7884	7833	6781 Gr.	Jicarilla "H"

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
7.625	26.40	6.969	3896	From 7676 To 7822	11
5.500	15.50	4.950	7875		

Tbg. Size	Wt.	d	Set At	Perforations:	Unit	Sec.	Twp.	Rge.
2.0625	3.25	1.750	7650	From ----- To -----	E	18	26N	4W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Dual - Gas - Gas	7650	Rio Arriba

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	0		12	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
.7636		0.700						

	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"				1461				7 days
1.						145	58°			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		157	1.0019	0.9258	1.018	1833
2							
3							
4.							
5.							

NO.	P_t	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 1473 P_c^2 2,169,729

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			214,272	1,955,457
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1096$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ 0811

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1982$

JUL 13 1979
OIL CON. COM.
DIST. 3

Absolute Open Flow 1982 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 30.75

Remarks: _____

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