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: 11/22/72	
Company: Southern Union Production Co.			Connection: Southern Union Gas Company		
Pool: Otero			Formation: Chacra Ext.		Unit
Completion Date: 11/14/72	Total Depth: 3950		Plug Back TD: 3925	Elevation: 6653	Farm or Lease Name: Jicarilla "K"
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 3949			Perforations: From 3842 To 3874		Well No.: 18
Tbg. Size: 1.900 / Wt.: 2.90 / d: 1.610 / Set At: 3789			Perforations: From To 3789		Unit: M / Sec.: 2 / Twp.: 25N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas			Packer Set At: 3789		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
3779		0.620						

	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"				881				8 Days
1.						62	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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		74	1.0039	0.9837	1.000	904
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. 3 P.S.I.A.
Critical Temperature _____ R R

RECEIVED
NOV 28 1972
OIL CON. COM.
DIST. 3

P_c 893 P_c^2 797.449

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			40,237	757,212
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0531$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0395$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 940$

Absolute Open Flow 940 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

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