NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: XX Initial ☐ Annual ☐ Special				Test Date: 11/3/75	
Company: Southern Union Production Co.			Connection: Southern Union Gathering Company		
Pool: Undesignated			Formation: Chacra		Unit
Completion Date: 10/22/75	Total Depth: 3000		Plug Back TD: 2967	Elevation: 5631 Gr.	Farm or Lease Name: Congress
Csg. Size: 2.875 / Wt.: 6.50 / d: / Set At: 2998			Perforations: From 2893 To 2912		Well No.: 8
Tbg. Size / Wt.: NO / d: TUBING / Set At:			Perforations: From To		Unit: A / Sec.: 35 / Twp.: 29N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: ---		County: San Juan
Producing Thru: Casing	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
2881		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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	2"		3/4"						1022		9 Days
1.									103	67°	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		115	0.9933	0.9837	1.009	1402
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

NOV 4 1975
OIL CON. COM.
DIST. 3

P_c 1034 P_c^2 1,069,156

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			20,615	1,048,541
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0197$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0147$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1423$

Absolute Open Flow 1423 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	