NEW MEXICO OIL CONSERVATION COMMISSION

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: 6/11/75	
Company: Southern Union Production Co.		Connection: Southern Union Gathering Co.			
Pool: Blanco		Formation: Mesaverde		Unit	
Completion Date: 6/2/75	Total Depth: 5400		Plug Back TD: 5339	Elevation: 6127 GR	Farm or Lease Name: Hunsaker
Csg. Size: 7.000 / 4.500	Wt.: 23.00 / 10.50	d: 6.366 / 4.052	Set At: 3169 / 3011 -5399	Perforations: From 4741 To 5296	Well No.: 1-A
Tbg. Size: 2.0625	Wt.: 3.25	d: 1.750	Set At: 4691	Perforations: From 4685 To 4691	Unit: E / Sec.: 26 / Twp.: 31N / Rge.: 9W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: ---		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
4674		0.700						

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	2"		3/4"				613		613		8 Days
1.							158	45°	523		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		170	1.0147	0.9258	1.021	2016
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 625 P_c^2 390,625

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		535	286,225	104,400
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.7416$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .6902$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5423$

Absolute Open Flow 5423 Mcfd @ 15.025 Angle of Slope @ _____

Remarks: _____

RECEIVED
JUN 13 1975
OIL CON. COM.
DIST. 3

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