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: 6/17/75	
Company: Southern Union Production Co.			Connection: Southern Union Gathering Company		
Pool: Blanco			Formation: Mesaverde		Unit
Completion Date: 6/8/75	Total Depth: 5320		Plug Back TD: 5261	Elevation: 6017 Gr	Farm or Lease Name: Hunsaker
Csg. Size: 7.000 / 4.500	Wt.: 23.00 / 10.50	d: 6.366 / 4.052	Set At: 1996 / 2890-5318	Perforations: From 4656 To 5178	Well No.: 2-A
Tbg. Size: 2.0625	Wt.: 3.25	d: 1.750	Set At: 4585	Perforations: From 4579 To 4585	Unit: P; 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: 4568	H	Gg: 0.700	% CO_2	% N_2	% H_2S

	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"				488		488		7 Days
1.							102	65°	356		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		114	0.9952	0.9258	1.012	1314
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 _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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P_c 500 P_c^2 250,000

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		368	135,424	114,576
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1820$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.7953$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2359$

Absolute Open Flow 2359 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	