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: 8/31/78	
Company: R & G Drilling Company		Connection: Waiting on Pipeline			
Pool: Kutz Farmington		Formation: Farmington		Unit:	
Completion Date: 8/22/78	Total Depth: 1668'	Plug Back TD: 1300'	Elevation: 5666'KB	Farm or Lease Name: Schlosser	
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 1655		Perforations: From 739 To 753		Well No.: 66	
Tbg. Size: 1,660 / Wt.: 2.40 / d: 1.380 / Set At: 722		Perforations: From Open To Ended		Unit: D / Sec.: 27-28N / Twp.: - / Rge.: 11W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F: 87 @ 1668'	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 12.0	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
722	722	0.600	--	--	--	--	--	--

	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						210		210		8 days
1.	3/4" THC					60		145		3 hrs.
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		72	1.0000	1.0000	1.0000	890
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 222 P_c^2 49,284

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		157	24,649	24,635
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0005$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.8029$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,605$

Absolute Open Flow 1,605 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Jerold Brooks	Ewell N. Walsh	