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: 8-14-80		
Company: El Paso Natural Gas Company		Connection: El Paso Natural Gas Company			
Pool: Blanco		Formation: Mesa Verde		Unit: Rincon	
Completion Date: 7-31-80	Total Depth: 7761	Plug Back TD: 7665	Elevation: 6622 G.L.	Farm or Lease Name: Rincon Unit	
Csg. Size: 7.000 / Wt.: 23.0 / d: / Set At: 7365		Perforations: From 4899 To 5528		Well No.: #125 (MV)	
Tbg. Size: 1.660 / Wt.: 2.4 / d: 1.380 / Set At: 5480		Perforations: From To		Unit: N / Sec.: 26 / Twp.: 27 / Rge.: 6	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Dual		Packer Set At: 6218		County: Rio Arriba	
Producing Thru: Csg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico	
L:	H:	Gg: 0.680	% CO_2:	% N_2:	% H_2S:
Prover:	Meter Run:	Taps:			

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						0		571		14 Days
1.	Choke	0.750	33		46					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	12.365		45	1.0137	0.9393	1.005	532
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 583 P_c^2 339889

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		45	2025	337864
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0060$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0045$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 534$

Absolute Open Flow 534 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: The Well Produced 68 MCF Gas During The Test

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Ernie Minert	H.E. McAnally	