NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

JAN 18 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 1-16-85	
Company: El Paso Natural Gas			Connection:		Unit:
Pool: S. Blanco			Formation: Pictured Cliffs		
Completion Date: 1-16-85	Total Depth: 3350		Plug Back TD: 3335	Elevation: 7221 GR	Farm or Lease Name: Lindrith Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 3348			Perforations: From 3160 To 3250		Well No.: 112
Tbg. Size: 1.660 / Wt.: 2.4 / d: 1.380 / Set At: 3238			Perforations: From To		Unit: P / Sec.: 26 / Twp.: 24 / Rge.: 03
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: Rio Arriba
Producing Thru: CSG	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
		.680						

	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						864		863		14 Days
1.		.750			59	176		148		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	12.365		160	1.0010	.9393	1.020	1897
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 876 P_c^2 767376

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		188	35344	
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{767376}{732032}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0409$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1975$

Absolute Open Flow 1975 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Gas vented during test = 324 MCF

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Jim Boone	Ed Mabe	KD 1-17-85