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: 4-28-86	
Company: El Paso Natural Gas Co.		Connection			
Pool: Blanco		Formation: Mesa Verde			Unit
Completion Date: 4-28-86	Total Depth: 7749		Plug Back TD: 7738	Elevation: 6483	Farm or Lease Name: San Juan 29-7 U.
Csg. Size: 9.625 / Wt.: 40 / d: 8.835 / Set At: 3562			Perforations: From 4826* To 5752		Well No.: #113M
Tbg. Size: 1.990 / Wt.: 2.75 / d: 1.610 / Set At: 5752			Perforations: From To		Unit: I / Sec.: 29 / Twp.: 29 / Rge.: 07
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G Dual			Packer Set At: 5836		County: Rio Arriba
Producing Thru: Tbg.	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12		State: New Mexico
L	H	Gg: .70	% 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI						790		780		7 Days
1.		.750	193		54	193		725		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		205	1.0058	.9258	1.024	2417
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 XXXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED
MAY 07 1986
OIL CON. DIV.
DIST. 3

P_c 792 P_c^2 627264

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		737	543169	84095
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{627264}{84095}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4.5135$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 10,909$

Absolute Open Flow 10909 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: *7.00 " Liner set - 3435-5986.
*4.500 "Liner set 5901 - 7747.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. Easley	Scott H Lindsay	kld