NEW MEXICO OIL CONSERVATION COMMISSION

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: 6-17-85	
Company: El Paso Natural Gas			Connection:		
Pool: Blanco			Formation: Pictured Cliffs		Unit:
Completion Date: 6-17-85	Total Depth: 5175		Plug Back TD: 5158	Elevation: 5865 GL	Farm or Lease Name: Howell E
Csg. Size: 7.000 / Wt.: 23 / d: 6.366 / Set At: 2961			Perforations: From 2569 To 2636		Well No.: #1A
Tbg. Size: 1.610 / Wt.: 2.4 / d: 1.380 / Set At: 2603			Perforations: From To		Unit: D / Sec.: 29 / Twp.: 30 / Rge.: 08
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Dual			Packer Set At: 2766		County: San Juan
Producing Thru: Tbg.	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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							952		952		7 Days
1.			.750	38		60	38		223		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		50	1.000	.9393	1.004	583
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 XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 964 P_c^2 929296

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		235	55225	874071
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{929296}{874071}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0535$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 614$

RECEIVED
JUN 19 1985
OIL CON. DIV.
DIST.

Absolute Open Flow 614 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: 4.500' liner 2815' - 5175'
Produced a mist of liquid after 1 hr and 45 minutes. Gas vented during test = 97 MCF

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bob Easterling	Ed Mabe	kld