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			Date of Test: 12/28/77	
Company: Amoco Production Company		Connection: EL PASO NATURAL GAS COMPANY		Unit
Pool: Blanco		Formation: Mesaverde		
Completion Date: 12-28-77	Total Depth: 4970	Plug Back T.D.: 4920	Elevation: 5930 KB	Farm or Lease Name: Shane Gas Com
Csg. Size: 7.000 / Wt.: 20 / d: 6.456 / Set At: 2839		Perforations: From 4358 To 4824		Well No.: 1A
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 4812		Perforations: From Open To Ended		Unit: M / Sec.: 14 / Twp.: 29 / Rge.: 9
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico
L	H	Gg: .65	% CO_2	% N_2 / % H_2S / Prover / Meter Run / Taps

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
Si	7 days						696		699		
1.	2.375		.750				220		530	60	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 F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Rate of Flow Q, Mcfd
1	12.365		232	1.000	.9608	1.024	2822
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

P_c 711 P_c^2 505521

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		542	293764	211754
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3873$ $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.9206$

$MCF = \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5420$

Absolute Open Flow 5420 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: 4.5" 11.6# Liner Set @ 2647 - 4970'

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: TMO/MEF	Checked By: J. L. Krupka