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 [X] Special			Test Date: 5-20-83	
Company: Amoco Production Company		Connection: El Paso Natural Gas Company		Unit
Pool: Basin		Formation: Dakota		
Completion Date: 4-20-83	Total Depth: 6601	Plug Back TD: 6558	Elevation: 5797 GL	Farm or Lease Name: James F. Bell
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6601		Perforations: From 6350 To 6494		Well No.: 1E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6347		Perforations: From open To ended		Unit: P / Sec.: 10 / Twp.: 30 / Rge.: 13
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	% 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	17 Days					1922		1922		
1.	2.375	.750				368		1120		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		380	1.000	.9258	1.047	4555
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1934 P_c^2 3740356

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		1132	1281424	2458932
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5211$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3697$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6239$

Absolute Open Flow 6239 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Completed by True Drilling Co.

Approved By Commission:	Conducted By:	Calculated By:	Checked By: