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: 3-30-83	
Company: Amoco Production Company		Connection: El Paso Natural Gas Company			
Pool: Basin		Formation: Dakota		Unit	
Completion Date: 02-21-83	Total Depth: 7135	Plug Back TD: 7084	Elevation: 5919 GL	Farm or Lease Name: Federal Gas Com "L"	
Csg. Size: 5.500 / Wt.: 17 / d: 4.892 / Set At: 7135		Perforations: From 6795 To 7053		Well No.: 1E	
Tbg. Size: 2.063 / Wt.: 3.25 / d: 1.751 / Set At: 7052		Perforations: From open To ended		Unit: B / Sec.: 14 / Twp.: 30 / Rge.: 11	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual		Packer Set At: 6606		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 / 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	17 Days						1142		X		
1.	2.375		.750				32		X		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		44	1.000	.9258	1.006	507
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 1154 P_c^2 1331716

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		125	15625	1316091
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0119$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0089$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 512$

Absolute Open Flow 512 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. J. Barnett	J. J. Barnett	