NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 3-30-79	
Company: Amoco Production Co.	Connection: EL Paso Natural Gas Company			
Pool: Basin	Formation: Dakota			Unit
Completion Date: 3-22-79	Total Depth: 6800	Plug Back TD: 6770	Elevation: 5610	Farm or Lease Name: Lopez Gas Com
Csg. Size: 4.50 / Wt.: 11.6 / d: 4.052 / Set At: 6798		Perforations: From 6616 To 6644		Well No.: No. 1
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6700		Perforations: From To		Unit: D / Sec.: 2 / Twp.: 29N / Rge.: 9W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 6570		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	8 Days					1708		1710		
1.	2.375	.750				46	60°	281		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		58	1.000	.9258	1.007	669
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 1722 P_c^2 2965284

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		293	85849	2879435
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0298$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0223$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 684$

Absolute Open Flow 684 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	RAC	RAC	B. E. FACKRELL