

NEW METHOD OF PRESERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☐ Initial ☐ Annual ☒ Special		Test Date 5-14-18-73	
Company El Paso Natural Gas Company			
Pool Rhodes		Unit	
Completion Date		Farm or Lease Name Cagle B	
Csg. Size 7"	Wt. 26.0	Set At 3030	To
Tbg. Size	Wt.	Set At	To
Type Well - Single - Bradenhead - G.C. or G.D. Methods		Packer Set At	County Lea
Producing Thru		Reservoir Temp. °F	State New Mexico
L 3030	H 3030	G _o 657	% CO ₂ 74 % H ₂ S
FLOW DATA		TUBING DATA	
NO.	Prover Line Size	X	Orifice Size
SI			
1.	5.856 x 3.000		38
2.	5.856 x 3.000		33
3.	5.856 x 3.000		34
4.	5.856 x 3.000		34
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure
1.	44.51	12.80	51.2
2.	44.51	20.39	46.2
3.	44.51	26.79	47.2
4.	44.51	32.98	47.2
5.			
NO.	P _t	Temp. °R	T _r
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas .657			
Specific Gravity Flowing Fluid X X X X X			
Superior Pressure 670 P.S.I.A.			
Critical Temperature 375 R			
P _c	290.2	P _c ²	84.3
NO.	P _t ²	P _w	P _w ²
1.	66.2		18.1
2.	57.2		27.1
3.	50.3		34.0
4.	43.3		41.0
5.			
$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.056$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.056$ $(3) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.723$			
Absolute Open Flow 3.723		Angle of Slope 45°	Slope, n 1.000
Remarks: Due to lack of completion date, flowing wellhead pressures were squared and plotted versus volumes to arrive at A.O.F.			
Approved By Commission		Conducted By: Randy Kiker	Calculated By: J. C. Roberts
		Checked By:	