

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-28-80			
Company El Paso Natural Gas Company				Connection			
Pool Blanco				Formation Mesa Verde			
Completion Date 2-20-80		Total Depth 4990		Plug Back TD 4972			
Casing Size 4.500		wt. 10.5		Set At 4990			
Perforations: From 4182 To 4918		Well No. 1A		Unit J			
Perforations: From To		Sec. 13		Twp. 28			
Perforations: From To		Range 9		County San Juan			
Type Well - Single - Dracunhead - G.G. or G.O. Multiple Single				Packer Set At			
Producing Thru		Reservoir Temp. °F P		State New Mexico			
Mech. Annual Temp. °F		Base. Press. - P ₀		State New Mexico			
L		H		Prover			
Gg		% CO ₂		% H ₂ S			
Prover		Meter Run		Tape			
FLOW DATA							
TUBING DATA							
CASING DATA							
Duration of Flow							
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w		
1.							
2.							
3.							
4.							
5.							
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_{in}}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf/d
1.							
2.							
3.							
4.							
5.							
NO.	P _f	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf, bbl.		
1.					A.P.L. Gravity of Liquid Hydrocarbons _____ Deg.		
2.					Specific Gravity Separator Gas _____ X X X X X X X X X		
3.					Specific Gravity Flowing Fluid _____ X X X X X		
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
5.					Critical Temperature _____ R _____ R		
NO.	P ₁	P ₂	P ₃	P ₄	(1) $\frac{P_c^2}{P_1^2 - P_2^2} =$ _____		
1.					(2) $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n =$ _____		
2.					AOP = Q $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n =$ _____		
3.							
4.							
5.							
Absolute Open Flow _____						Mscf/d	
Mscf/d						Mscf/d	
Approved by Division						Conducted by: R. McAndrews	
Calculated by: C.R. Wagner						Checked by:	

