

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 5-26-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 5-15-81		Total Depth 7576		Plug Back TD 7568		Elevation 6416 GL		Farm or Lease Name San Juan 28-7 Unit	
Csg. Size 4½	Wt. 11.6	d 4.000	Set At 7576	Perforations: From 7320 To 7548		Well No. #242E			
Tub. Size 1½	Wt. 2.9	d 1.610	Set At 7503	Perforations: From To		Unit M	Sec. 18	Twp. 7	Rge. 28
Type Well - Single - Broadhead - G.G. or G.O. Multiple single						Packer Set At		County Rio Arriba	
Producing Thru		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover		Meter Run	Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
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.	
SI							2347		2347	
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 _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1							
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

NO.	P _r	P _w	P _c	P _c ² - P _w ²
1				
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \dots$$

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

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

Absolute Open Flow	Mcf @ 15.025	Angle of Slope θ	Slope, n
Remarks:			

Approved by Division	Conducted by Norman Waggoner	Calculated by R. F. Headrick	Checked by
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