

NEW MEXICO OIL CONSERVATION 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 7-24-80				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit San Juan 28-6 Unit	
Completion Date 7-16-80		Total Depth 5826		Plug Back TD 5807		Elevation 6456 GL		Farm or Lease Name San Juan 28-6 Unit	
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3552	Perforations: From 4785 To 5750			Well No. #6A (MV)		
Tbg. Size 2.375	Wt. 4.7	d 1.990	Set At 5716	Perforations: From To			Unit Sec. Twp. Rge. D 15 27 6		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At 3437		County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.700	% 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.	Temp. °F	
SI							522				8 Days
1.	Choke	0.75	120			58					
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		132	1.0019	0.9258	1.015	1537
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	Mcf/bbl.	Deg.
1.											XXXXXXX	
2.												
3.												
4.												
5.												

NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	554	265	285156	1.3265	1.2362
2					
3					
4					
5					

NO.	P _t ²	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	17424	70225	214931	1900
2				
3				
4				
5				

Absolute Open Flow <u>1900</u> Mcfd @ 15.025		Angle of Slope θ _____		Slope, n _____	
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Remarks: 4.500 Liner From 3428 to 5826. The Well Produced 263 MCF gas during the test. The Well Produced Sluggs of Oil and Water the First Few Minutes Then a Heavy Mist The Remainder of the Test.

Approved By Commission:	Conducted By: Ernie Minert	Calculated By: H. E. McAnally	Checked By:
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