

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 8-4-80	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 7-28-80		Total Depth 5490		Plug Back TD 5471		Elevation 6252 GL
Farm or Lease Name Jones A						
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3193	Perforations: From 4387 To 5436		Well No. #2A (MV)
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5397	Perforations: From To		Unit Sec. Twp. Rge. 0 11 28 8
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At		County Rio Arriba
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico
Baro. Press. - P _a 12						
L	H	Gg 0.685	% 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							788				7 Days
1.	Choke		0.750	266		72					3 Hours
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		278	0.9887	0.9359	1.028	3270
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.										

P _c 800	P _c ² 640000			
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1	77284	548	300304	339696
2.				
3.				
4.				
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.8840$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6081$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5259$$

Absolute Open Flow 5259 Mcfd @ 15.025	Angle of Slope θ	Slope, n .075
--	-------------------------	------------------

Remarks: 4.500 Liner From 3052 To 5490. The Well Produced 437 MCF Gas During the Test.

Approved By Commission:	Conducted By: Norman Waggoner	Calculated By: H.E. McAnally	Checked By:
-------------------------	----------------------------------	---------------------------------	-------------