

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 8-7-80	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company			
Pool Blanco				Formation Pictured Cliff		Unit San Juan 28-7	
Completion Date 7-21-80		Total Depth 6139		Plug Back TD 6121		Elevation 6854 GR	
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3827	Perforations: From 3463 To 3543		Well No. #30A (PC)	
Tbg. Size 1.660	Wt. 2.4	d 1.380	Set At 3542	Perforations: From To		Unit Sec. Twp. Rge. E 18 28 7	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At		County Rio Arriba	
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F 12		State New Mexico	
L	H	Gg 0.650	% 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
1.	Choke		0.750	237		69	958		958		17 Days
2.									243		3 Hours
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		249	0.9915	0.9608	1.023	3001
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ 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

P _c 970	P _c ² 940900			
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1	62001	255	65025	875875
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0742$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0628$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3189$$

Absolute Open Flow	3189	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 0.85
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Remarks:	The Well Produced 504 MCF Gas During The Test
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Approved By Commission:	Conducted By: John Easley	Calculated By: H. E. McAnally	Checked By:
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