

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 9-19-85			
Company El Paso Natural Gas				Connection			
Pool Blanco				Formation Pictured Cliffs		Unit	
Completion Date 9-19-85		Total Depth 3182		Plug Back TD 3172		Elevation 6375 GR	
Form or Lease Name Roelofs A				Well No. #7			
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 3182	Perforations: From 3066 To 3116			
Tub. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. N 10 29 8	
Type well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Csg		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico							
L	H	G _g .680	% 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.			.750	75		58			1100		7 Days
2.									75		3 Hrs.
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, Mcd
1	12.365		87	1.0019	.9393	1.009	1021
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 _r 1112	P _r ² 1236544	
NO. 1	P _w 109	P _w ² 11881
2		
3		
4		
5		

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{1236544}{1224663}$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1029$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0082$

Absolute Open Flow 1029	Mcf @ 15.025	Angle of Slope	Slope, n .85
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Remarks: Light mist during test.
Gas vented during test 172 MCF.

Approved by Commission:	Conducted By: John Easley	Calculated By: Cliff Brock	Checked By: kld
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