

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 6-1-83

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-7-85	
Company El Paso Natural Gas				Connection	
Pool So. Blanco				Formation Pictured Cliffs	
Completion Date 9-27-85		Total Depth 3270		Plug Back TD 3254	
Casing Size 4.500		Set At 3270		Elevation 7120 GR	
Perforations: From 3178 To 3237		Farm or Lease Name Lindrith Unit			
Well No. #69R					
Tubing Size 1.660		Set At 3223		Perforations: From To	
Unit L		Sec. 23		Twp. 24	
Range 03					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tbg.				State New Mexico	
Reservoir Temp. °F 67.0		Mean Annual Temp. °F 67.0		Baro. Press. - P _a 12	
L		H		G _g	
				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	83		59	875		876		7 Days
2							83		97		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, Mcf/d
1	12.365		95	1.0010	.9463	1.009	1123
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	1.0073
2					Specific Gravity Separator Gas	0.60
3					Specific Gravity Flowing Fluid	0.60
4					Critical Pressure	1.0073
5					Critical Temperature	1.0073

P _c	888	P _w	788544
NO.	P _r	P _w	P _r - P _w
1		109	11881
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{788544}{776663}$$

$$ACF = C \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1138$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0130$$

Absolute Open Flow	1138	Mcf/d @ 15.025	Angle of Slope	85
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Remarks: Gas vented during test. 203 MCF.

Approved by Commission:	Conducted By:	Calculated By:	Checked By:
	Jimmy Boone	Ed Mabe	kld

