

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 11-26-85	
Company El Paso Natural Gas		Connection	
Pool Basin		Formation Dakota	
Completion Date 11-26-85		Total Depth 7821	Plug Back TD 7813
Elevation 6607 GR		Farm or Lease Name S.J. 27-5 Unit	
Csg. Size 9.625	wt. 40	d 8.835	Set At 3697
Perforations: From * 7589		To 6607 GR	
Csg. Size 2.375	wt. 4.7	d 1.995	Set At 7771
Perforations: From		To	
Type Well - Single - Broadhead - G.G. or G.O. Multiple G.G Dual		Packer Set At 5959	County Rio Arriba
Producing Thru Tbg.	Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a 12
State New Mexico			
L	H	G _g .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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							2318				7 Days
1.			.750	157		55	157				3 hrs.
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, Mcf/d
1	12.365		169	1.0048	.9258	1.021	1985
2							
3							
4							
5							

NO.	P _f	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon	Deg.
2					Specific Gravity Separator Gas	XXXXXX
3					Specific Gravity Flowing Fluid	XXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _f 2330	P _w 5428900	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{5428900}{5286771}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0201$
NO.	P _f	P _w	P _c - P _w
1		377	142129
2			
3			
4			
5			

ACF = Q	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2025$
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Absolute Open Flow	2025	Mcf/d @ 15.025	Angle of Slope	Slope, n .75
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Remarks: * - 7000" Liner 3536' - 6144'.
* - 4.500" Liner 5970' - 7821'.
Gas vented during test = 330 MCF/D

Approved by Commission:	Conducted By: Gary Osborne	Calculated By: Ed Mabe	Checked by: kld
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