

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

Form C-122
Revised 9-1-65

Corrected Copy

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-17-85	
Company El Paso Natural Gas		Connection	
Basin Basin		Formation Dakota	
Completion Date 9-17-85		Total Depth 7809	Plug Back TD 7797
Elevation 6576 GR		Farm or Lease Name S.J. 27-5 Unit	
Csg. Size 4.500	10.5 11.6	Set At 4.052 7809	Perforations: From 7554 To 7781
Trg. Size 1.900	2.9	Set At 1.610 7747	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	Unit Sec. Twp. Hye. C 07 27 05
Producing Thru Tbg.		Reservoir Temp. °F a	Mean Annual Temp. °F 12
County Rio Arriba		State New Mexico	
L	H	Gg .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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1686		1842		7 Days
1.			.750	159		61	159		1139		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 Fg	Super. Factor Fpv	Rate of Flow Q, Mcd
1	12.365		171	.9990	.9258	1.023	2001
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 V V V V
3.					Specific Gravity Flowing Fluid	X X X X X
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _r 1854	P _w 3437316	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3437316}{2112515}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4407$
NO. 1	P _r 1151	P _w 1324801	P _c 2112515
2			
3			
4			
5			

Absolute Open Flow 2883		Mcd @ 15.025	Angle of Slope .75
Remarks: Light mist during test. Gas vented during test 314 MCF.			
Approved by Commission:	Conducted By: Gary Osborne	Calculated By: Cliff Brock	Checked By: kld

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SEP 27 1985
OIL CON. DIV.
DIST. 3