

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12-3-85 DEC 05 1985	
Company El Paso Natural Gas		Connection	
Pool Blanco		Formation Mesa Verde	
Completion Date 12-3-85		Total Depth 7821	Plug Back TD 7813
		Elevation 6607 GR.	Form or Lease Name S.J. 27-5 Unit
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3697
Perforations: From *5062 To 5950		Well No. #69M	
Csg. Size 1.900	Wt. 2.9	d 1.610	Set At 5960
Perforations: From To		Unit Sec. Twp. Rge. I 07 27 05	
Type Well - Single - Bradenhead - 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 .690	% 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							839		961		14 Days
1.		.750		167		54	167		815		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		179	1.0058	.9325	1.021	2119
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 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 973	P _w 946729	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{946729}{262800}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.6149$
NO. 1	P _r - 827	P _w 683929	P _c - P _w 262800
2			
3			
4			
5			

$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5541$

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Absolute Open Flow 5541	Mcf/d @ 15.025	Angle of Slope →	Slope, n
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Remarks: *7.000" Liner 3536' - 6144'.
Gas vented during test = 296 MCF.

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