

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 12-26-85	
Company El Paso Natural Gas			Connection		
Pool Basin			Formation Dakota		Unit
Completion Date 12-26-85		Total Depth 8044		Plug Back TD 8036	Elevation 6608
Farm or Lease Name S.J. 28-5 Unit					Well No. #76M
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3931	Perforations: From *7741 To 7961	
Teg. Size 2.375	Wt. 4.7	d 1.995	Set At 7984	Perforations: From To	
Type Well - Single - Broadhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 7470'	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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1467				7 Days
1.			.750	155		62	155				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, Mcfd
1	12.365		167	0.9981	.9258	1.024	1954
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 1479	P _w 2187441				
NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1		199	39601	2147840	
2					
3					
4					
5					

$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = \frac{2187441}{2147840}$$

$$ACF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1981$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0138$$

Absolute Open Flow 1981	Mcfd @ 15.025	Angle of Slope → .75
Remarks: * 7.000" Liner 3766' - 6332' * 4/500" Liner 6208' - 8044' Gas Vented during test = 243 MCF.		
Approved by Commission:	Conducted By:	Calculated By: Checked By: kld

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OIL CON. DIV.

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