

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 12-26-85			
Company El Paso Natural Gas Co.				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 12-26-85		Total Depth 8044		Plug Back TD 8036		Elevation 6608 GR		Farm or Lease Name S.J. 28-5 Unit	
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3931	Perforations: From *7741 To 7961			Well No. #76M		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7948	Perforations: From To			Unit C	Sec. 21	Twp. 28
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 7470'			County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		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							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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		167	0.9981	.9258	1.024	1954
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²
1		371	137918	2049523
2				
3				
4				
5				

P_c 1479 P_c² 2187441

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2187441}{2049523}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2052$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0501$

Absolute Open Flow	2052	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks:	*7.000 Liner 3766' - 6332'
	*4.500 Liner 6208' - 8044'
Gas Vented During test = 275 MCF.	

Approved By Commission:	Conducted By: Norman Waggoner	Calculated By: Scott H. Lindsay	Checked By: kld
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