

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

Form C-122
Revised 9-1-65

FEB 10 1986

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-6-86			
Company El Paso Natural Gas Co.				Connection					
Pool Baisn				Formation Dakota				Unit	
Completion Date 2-6-86		Total Depth 7990		Plug Back TD 7982		Elevation 6715 GR		Farm or Lease Name S.J. 29-7 Unit	
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3874	Perforations: From 7767* To 7956		Well No. #106M			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7944	Perforations: From To		Unit Sec. Twp. Rge. C 36 29 07			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual						Packer Set At 6150		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							2197				7 Days
1.			.750	105		60	105				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		117	1.000	.9258	1.017	1362
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 _c 2209	P _c ² 4879681	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{4879681}{4811560}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0106$
NO	P _i ²	P _w	P _w ²
1		261	68121
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1376$

Absolute Oper. Flow 1376 Mcfd @ 15.025

Angle of Slope @ _____

Slope, n _____

Remarks: *7" Liner Set 3720 - 6330.
*4½" Liner Set - 6204 - 7990
Gas Vented During Test = 167 MCF.

Approved By Commission:	Conducted By: John Easley	Calculated By: Scott H. Lindsay	Checked By: kld
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