

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

Form C-122
Revised 9-1-65

RECEIVED
APR 23 1986
OIL CON. DIV.

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-21-86			
Company El Paso Natural Gas				Connection			
Pool Basin				Formation Dakota		Unit DISC	
Completion Date 4-21-86		Total Depth 7749		Plug Back TD 7738		Elevation 6483	
Farm or Lease Name San Juan 29-7 U.		Well No. #113 M		Perforations: From 7476* To 7726			
Csg. Size 9.625	Wt. 40.0	d 3562	Set At	Perforations: From	To	Unit I	Sec. 29
Tbg. Size 0.625	Wt. 4.7	d 1.995	Set At 7695	From	To	Twp. 29	Rge. 07
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 5836		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F 12		State New Mexico	
L	H	Gg 0.70	% 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							2325				7 Days
1.			.750	210		79	210				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		222	0.9822	0.9258	1.034	2581
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 2337 P _c ² 5461569			
NO.	P _t ²	P _w	P _w ² P _c ² - P _w ²
1		490	240100 5221469
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{5461569}{5221469}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0343$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2670$

Absolute Open Flow 2670 Mcfd @ 15.025		Angle of Slope @ _____		Slope, n .75	
Remarks: 7' Liner set 3435 - 5986 4 1/2' Liner set 5901 - 7747 Gas vented during test = 383 MCF.					
Approved By Commission:		Conducted By: John Easley		Calculated By: Scott H. Lindsay	
				Checked By: kld	