

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 12-20-72	
Company Merrion and Bayless			Connection El Paso Natural Gas Company			
Pool Basin			Formation Dakota		Unit	
Completion Date 11-28-72		Total Depth 6701	Plug Back TD 6666	Elevation 6509 KB	Farm or Lease Name Canada Mesa	
Csg. Size 4 1/2	Wt. 9.5	d 4.090	Set At 6700	Perforations: From 6450 To 6506		Well No. 2
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 6520	Perforations: From Open End To		Unit Sec. Twp. Rge. I 24 24 6
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 160° @ 6700	Mean Annual Temp. °F	Baro. Press. - P _a		State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover XX
		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							2125		2275		7 Days
1.	2"		3/4				226		575		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	12.178		238	1.00	0.9258	1.030	2764
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.						0.70		XXXXX		
2.										
3.										
4.										
5.										

P _c 2287	P _c ² 5230,364	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0705$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.052$
NO.	P _t ²	P _w	P _w ²
1		587	344,569
2			
3			
4			
5			

Absolute Open Flow 2909 MCF/da		Mcf/d @ 15.025	Angle of Slope θ	Slope, n 0.75
Remarks:				

Approved By Commission:	Conducted By: Merle Ellsaesser	Calculated By: J. Gregory Merrion	Checked By:
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