

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

Form C-122
Revised 9-1-65

Re-Summitted

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-5-85	
Company El Paso Natural Gas co.		Connection	
Pool Basin		Formation Dakota	
Completion Date 7-5-85		Total Depth 7810	Plug Back TD 7786
Csg. Size 4.500		wt. 10.5	d 4.052
Set At 7808		Perforations: From 7552 To 7692	
Tbg. Size 1.900		wt. 2.9	d 1.610
Set At 7765		Perforations: From To	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single		Packer Set At None	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 .690	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.			.750	202		54	2122		2063		7 Days
2.							202		1324		3 Hrs.
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 _{sp}	Rate of Flow Q, Mcfd
1	12.365		214	1.0058	.9325	1.026	2546
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	XXXXXX
3					Specific Gravity Flowing Fluid	XXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _r 2134	P _r ² 4553956	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = \frac{4553956}{2769060}$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.4523$
NO. 1	P _r 1336	P _w 1784896	P _r ² - P _w ² 2769060
2			
3			
4			
5			

ACF = Q $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 3698$

Absolute Open Flow	3698	Mcf/d @ 15.025	Angle of Slope	Slope, n .75
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Remarks: Produced light mist of fluid during test.
Gas vented during test = 401 MCF.

Approved by Commission:	Conducted By: Gary Osborne	Calculated By: Ed Mabe	Checked By: kld
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