

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

Form C-122
Revised 9-1-65

OWWO

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 5-23-86			
Company El Paso Natural Gas Co.				Connection					
Pool Aztec PC Ext.				Formation Pictured Cliffs				Unit	
Completion Date 5-23-86		Total Depth 5031'		Plug Back TD 5013'		Elevation 5681'		Farm or Lease Name Randlemon	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 2689	Perforations: From 2305* To 2380'				Well No. #1A	
Tbg. Size 1.660	Wt. 2.3	d 1.380	Set At 2387	Perforations: From To				Unit Sec. Twp. Rge. E 26 31 11	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple G.G. Dual						Packer Set At 2495'		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg .670	% 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							648		648		7 Days
1.			.750	130		60	130		130		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		142	1.000	.9463	1.014	1685
2							
3							
4							
5							

NO.	P _f	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 _____
3					Specific Gravity Flowing Fluid _____
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ °R _____ °R

P _c 660	P _c ² 435,600	
NO.	P _w	P _w ²
1	142	20,164
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{435,600}{415436} \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0411$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,754$$

Absolute Open Flow	1754	Mcfd @ 15.025	Angle of Slope @	Slope, n .85
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Remarks: *4 1/2" Liner Set - 2562 - 5031'
Gas vented during test = 265 MCF.

Approved By Commission:	Conducted By: J. Chuquette	Calculated By: Scott H. Lindsay	Checked By: kld
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