

RECEIVED

AUG 7 1985

Type Test ☒ Initial OIL CON. DIV. ☐ Special		Test Date 8-6-85	
Company El Paso Natural Gas			
Pool Blanco		Formation Pictured Cliffs	
Completion Date 8-6-85		Total Depth 3019	Plug Back TD 3010
Csg. Size 2.875		Wt. 6.5	d 2.441
Tub. Size 2.875		Wt. 6.5	d 2.441
Tubingless Completion		Set At 3019	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At None	
Producing Thru Csg.		Reservoir Temp. °F a	Mean Annual Temp. °F a
Baro. Press. - P _a 12		State New Mexico	
L H		G _a .680	% 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	Duration of Flow
1.			.750	37		70			768		7 Days
2.									37		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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		49	.9905	.9393	1.004	566
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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.										
2.										
3.										
4.										
5.										

P _r 780	P _r ² 608400
NO. 1	P _r ² 61
2	P _w 3721
3	P _w ² 604679
4	
5	

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{608400}{604679}$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 569$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0052$

Absolute Open Flow	569	Mcfd @ 15.025	Angle of Slope	Slope, n	.85
--------------------	-----	---------------	----------------	----------	-----

Remarks: Produced heavy mist water throughout test.
Gas vented during test = 75 MCF.

Approved By Commission:	Conducted By: Bob Easterling	Calculated By: Ed Mabe	Checked By: kld
-------------------------	---------------------------------	---------------------------	--------------------