

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 9-19-85	
Company El Paso Natural Gas				Connection			
Pool Aztec				Formation Pictured Cliffs		Unit	
Completion Date 9-19-85		Total Depth 2572		Plug Back TD 2540		Elevation 6000 GR	
Csg. Size 2.875		Set At 6.4		Perforations: From 2365 To 2489		Farm or Lease Name Morris	
Tqg. Size		Set At		Perforations:		Well No. #6	
Tubingless Completion				From To		Unit Sec. Twp. Rge. B 28 30 11	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Csg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12	
L		H		G _g		Prover	
				.680		Meter Run	
				% CO ₂		Taps	
				% N ₂			
				% H ₂ S			

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									315		7 Days
1.			.750	67		61			67		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		79	.9990	.9393	1.009	925
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 _r 327	P _w 106929	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{106929}{9750}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0814$	
NO	P _r	P _w	P _w ²	P _c ² - P _w ²
1		97	9409	97520
2				
3				
4				
5				

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1000$

Absolute Open Flow 1000 Mcfd @ 15.025	Angle of Slope @ _____ Slope, n .85
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Remarks: Gas vented during test 124 MCF.

Approved By Commission:	Conducted By: Gabe Archibeque	Calculated By: Cliff Brock	Checked By: kld
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