

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

Form C-122
Revised 9-1-65

Type Test ☐ Initial ☐ Annual ☒ Special					Test Date 6-20-85						
Company El Paso Natural Gas					Connection						
Pool Blanco					Formation Mesa Verde						
Completion Date 6-20-85			Total Depth 5209		Plug Back TD 5180		Elevation 5871 GL		Farm or Lease Name Shaw		
Csg. Size 7.000	Wt. 23.0	d 6.366	Set At 2916	Perforations: From *4296 To 5159				Well No. #1A			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5125	Perforations: From To				Unit Sec. Twp. Rge. D 13 30 9			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At 2729			County San Juan			
Producing Thru Tbg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico			
L	H	Cg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps			
			.690								

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							346				7 Days
1.			.750	119		68	119				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		131	.9924	.9325	1.013	1518
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 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 358 P_c² 128164

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1	17161	252	63504	64660
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{128164}{64660}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6705$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2536$

Absolute Open Flow 2536 Mcfd @ 15.025		Angle of Slope @ _____		Slope, n .75
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Remarks: *4.500' Liner 2756'-5209' Produced light mist of oil throughout test. Gas Vented during test = 184 MCF.

Approved By Commission:	Conducted By: Joe Galding	Calculated By: Ed Mabe	Checked By:
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