

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

Form C-122
Revised 9-1-65

RECEIVED
FEB 28 1986
OIL CON. DIV.
DIST. ?

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-26-86		FEB 28 1986 OIL CON. DIV. DIST. ?			
Company El Paso Natural Gas Co.						Connection					
Pool Blanco						Formation Mesa Verde					
Completion Date 2-26-86			Total Depth 8135		Plug Back TD 8113		Elevation 5901 GR		Farm or Lease Name San Juan 29-7 Unit		
Csq. Size 9.625	Wt. 40	d 8.835	Set At 3969	Perforations: From 5267* To 6193 GR				Well No. #45A			
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 6192	Perforations: From To				Unit Sec. Twp. Rge. F 20 29 07			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual						Packer Set At 6241		County Rio Arriba			
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico			
L	H	G _g .70	% 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							781		809		7 Days
1.			.750	193		57	193		763		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		205	1.0029	.9258	1.024	2410
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 _c 821	P _c ² 674041	
NO	P _t ²	P _w ²
1		775 600625
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{674041}{73416}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 12711$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5.2744$

Absolute Open Flow 12711 Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: *7" Liner set @ 3794' - 6435'
4½" Liner set @ 6300' - 8130'
Gas vented during test = 305MCF, sizing equip. only.

Approved By Commission:	Conducted By: Norman Waggoner	Calculated By: Scott H. Lindsay	Checked By: kld
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