

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 02 20 80			
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS CO.					
Pool BLANCO				Formation FRUITLAND <i>E-H</i>				Unit	
Completion Date 08 01 80		Total Depth 2745		Plug Back TD 2683		Elevation 5932 GL		Farm or Lease Name A L ELLIOTT B	
Csg. Size 4.500	Wt. 9.5	d 4.090	Set At 2745	Perforations: From 2376 To 2506		Well No. No. 8			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 2660	Perforations: From 2545 To 2658		Unit G 10 29 9			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple DUAL						Packer Set At 2526		County SAN JUAN	
Producing Thru CASING		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a		State NEW MEXICO	
L	H	Gq	% 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	10 days						640		----		
1.	2.375	.750					63	60	----		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		75	1.000	.9608	1.006	896
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	Deq.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1	652	82	6724	418380
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0161$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 908$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0136$$

Absolute Open Flow	908 Mcfd @ 15.025	Angle of Slope θ	Slope, n 85
Remarks:			

Approved By Commission:	Conducted By: JJB	Calculated By: J J BARNETT	Checked By: W L PETERSON
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