

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 11/15/72			
Company Pubco Petroleum Corporation				Connection El Paso Natural Gas					
Pool Blanco				Formation Pictured Cliffs <i>Ext.</i>				Unit I	
Completion Date 11/08/72		Total Depth 3273'		Plug Back TD 3200'		Elevation 6412' GL		Farm or Lease Name State "Com"	
Csg. Size 3-1/2"	Wt. 9.2#	d 2.992	Set At 3233'	Perforations: From 3082 To 3105		Well No. 40			
Tbg. Size 1-1/4"	Wt. 2.30	d 1.380	Set At 3102	Perforations: From - To -		Unit Sec. Twp. Rge. I 16 29N 8W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Casing		Reservoir Temp. °F 102 @ 3273		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g 0.6	% 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.	
SI							955		955	
1.	1.995 x 0.75						300		187	57
2.	1.995 x 0.75						225		137	59
3.	1.995 x 0.75						190		110	58
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							
2							
3	9.604		122	1.002	1.291	1.013	1535
4			1171.69	1174.03	1515.67	1535.38	
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Dry
1.					A.P.I. Gravity of Liquid Hydrocarbons _____
2.					Specific Gravity Separator Gas _____ 0.60
3.	0.18	518	1.45	0.975	Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c	967	P _c ²	935,089
NO.	P _t ²	P _w	P _w ²
1			
2			
3		202	40,804
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0456$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1594$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0386$$

Absolute Open Flow	1594	Mcfd @ 15.025	Angle of Slope θ	Slope, n	0.85
Remarks:					

Approved By Commission:	Conducted By: R. J. Flaker	Calculated By: J. C. Johnson	Checked By:
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