

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

Form C-122
Revised 9-1-65

RECEIVED

FEB 08 1989

OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-6-1989				
Company Canaco Inc.				Connection New					
Pool Blanco				Formation Mesa Verde				Unit D	
Completion Date 12/10/1988		Total Depth 7975'		Plug Back TD 7950'		Elevation 7004 G.L.		Farm or Lease Name Ticarilla 22	
Csg. Size 5 1/2	Wt. 15.5	d 4.825	Set At 7975'	Perforations: From 5562' To 5722'			Well No. 3		
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 5632'	Perforations: From To			Unit Sec. Twp. Rys. D 22 25N 04W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single / Gas					Packer Set At N/A		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F 146 @ 5642'		Mean Annual Temp. °F 55°F		Baro. Press. - P _a 12.2		State New Mexico	
L 5632	H 5632	G _g .716	% CO ₂ .36	% N ₂ .21	% H ₂ S	Prover 3/4" C.N.	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	S.I. Seven Days						1251 #		1251 #		12.85 P
1.							670 #	50°	742 #		1 hr.
2.							214 #	56°	420 #		2 hrs.
3.							164 #	58°	230 #		3 hrs.
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	11.00	-	176.2	1.002	1.182	1.022	2346
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	.263	518°	1.30	.958	Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ 668 _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ 398 _____ R _____ R

P _c 1263.2 P _c ² 1595674.2				
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3	31046.4	351.5	123605.9	147206.6
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.08$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2484$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.059$$

Absolute Open Flow 2484 Mcfd @ 15.025		Angle of Slope @ _____		Slope, n .75	
Remarks: <u>Initial Test</u>					
Approved By Commission:		Conducted By: R.A. Farmer		Calculated By: R.A. Farmer	
				Checked By: <i>Arant D. Hughes</i>	