

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 8/30/1982	
Company Conoco Inc.				Connection New		
Pool South Blanco				Formation Picture Cliff		Unit C
Completion Date 8/16/1982		Total Depth 3895		Plug Back TD 3842		Elevation 7185
Csg. Size 3 1/2		Wt. 9.3	d 2.992	Set At		Perforations: From 3757 To 3802
Tbg. Size		Wt.	d	Set At		Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single / Gas				Packer Set At None		County Rio Arriba
Producing Thru Csg.		Reservoir Temp. °F 113°F @ 3787 K.B.		Mean Annual Temp. °F 55°		Baro. Press. - P _a 12.2
L 3747		H 3747	G _g .640	% CO ₂	% N ₂	% 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	7 DAYS									739#	
1.	3/4" x 6" Choke Nipple									55#	62°
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	11.00		67.2	.9981	1.250	N/A	922.24
2.							
3.							
4.							
5.							

NO.	P _t	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.					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

$P_c = 751.2$ $P_c^2 = 564301.4$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	4515.8	38.11	1452.5	562848.9
2.				
3.				
4.				
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.002$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.001$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 923.16$$

Absolute Open Flow	923.16	Mcf/d @ 15.025	Angle of Slope @	Slope, n .85
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Remarks:

Approved By Commission:	Conducted By: R. A. Farmer	Calculated By: R. A. Farmer	Checked By: E. J. [Signature]
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