

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 8-31-82	
Company SHERMAN F. WAGENSELLER				Connection EPNG			
Pool South Blanco				Formation Pictured Cliffs			
Completion Date 8-24-82		Total Depth 3150		Plug Back TD 3128		Elevation 7288Gr.	
Csg. Size 4 1/2		Wt. 10.5		Set At 4.052		Perforations: From 3064 To 3081	
Thq. Size 2 3/8		Wt. 4.7		Set At 1.995		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At	
Producing Thru tog.		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _q		County K. A.	
				% CO ₂		State N. M.	
				% 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			.750				610		610		3 hrs
1.				96		62			228		
2.											
3.											
4.											

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	12.3650		108	.9981	.9608	1.009	1292
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 _____ Deg.
2.					Specific Gravity Separator Gas .650 est. _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

NO.	P _r ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1749$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1469$
1		240	57600	329284		
2						
3						
4						
5						

Absolute Open Flow 1482 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .85	
---------------------------------------	--	--	--	------------------------	--	--------------	--

Remarks: Well was tested thru T. C. 3/4 choke - well made light fog water through out test

Approved By Commission:	Conducted By: C.R. Wagner	Calculated By: C.R. Wagner	Checked By: M.B.
-------------------------	---------------------------	----------------------------	------------------