

**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 10-10-69	
Company Wynn & Brooks				Connection		
Pool Blanco Mesa Verde				Formation Mesa Verde		Unit
Completion Date 10-2-69		Total Depth 6699		Plug Back TD 6667		Elevation 5940 KB
Farm or Lease Name Federal I						Well No. 1
Csg. Size 5.50	Wt. 15.50	d 4.950	Set At 6699	Perforations: From 4163 To 4714		Unit N Sec. 15 Twp. 27 Rge. 8
Tbg. Size 1.90	Wt. 2.76	d 1.610	Set At 4520	Perforations: From 4512 To 4520		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Dual				Packer Set At 6398		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 60		Mean Annual Temp. °F 12.0		State New Mexico
L 4520	H 4520	Gg 0.650	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	3/4" TC Choke						951		951		3 hrs.
2.							169		645	58	
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		181	1.0019	.9608	1.012	2180
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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 963	P _c ² 927,369	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8707$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5995$
NO.	P _w	P _w ²	P _w ² - P _c ²
1	657	431,649	495,720
2.			
3.			
4.			
5.			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,487$

3,487

Absolute Open Flow 3,487 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: David L. Collis
		Checked By: Ewell N. Walsh



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