

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 2-6-85	
Company EPNG				Connection		
Pool So. Blanco				Formation Pictured Cliffs		Unit
Completion Date 2-6-85		Total Depth 3300		Plug Back TD 3270		Elevation 7212 GR
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3289	Perforations: From 3137 To 3224		Well No. 108
Tbg. Size 1.660	Wt. 2.4	d 1.310	Set At 3210	Perforations: From To		Unit Sec. Twp. Rge. M 22 24 2
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba
Producing Thru CSG		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12
State New Mexico						
L	H	Gg .680	% 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.		Temp. °F
SI							424		523		8 Days
1.			.750	29		55	157		29		3 hrs.
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		41	1.0048	.9393	1.004	480
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 _____ 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 535 P _c ² 286225				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		169	28561	257664
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{286225}{257664}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0935$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 525$$

Absolute Open Flow 525 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .85
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Remarks: Gas vented during test = 81 MCF

Approved By Commission:	Conducted By: Jim Boone	Calculated By: Ed Mabe	Checked By: kd 2/6/85
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