

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 6-1-77	
Company Caulkins Oil Company				Connection Pictured Cliffs		
Pool South Blanco				Formation Pictured Cliffs		Unit
Completion Date 5-24-77		Total Depth 3212		Plug Back TD 3212		Elevation 6606 Gr.
Frm. or Lease Name Breech "E"		Well No. 112				
Csg. Size 4 1/2	Wt. 10.5	d 4.000	Set At 3212	Perforations: From 3092 To 3156		
Tbg. Size 1"	Wt. 1.7	d 1.049	Set At 3146	Perforations: From 3146 To		Unit Sec. Twp. Rge. P 3 26N 6W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico
L	H	Gg	% 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.	
SI	7 days						990		994	
1.							64		665	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	14.1605		76	1.000	1.000	1.000	1076
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

NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8277$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6696$
1		677	458,329	553,707		
2.						
3.						
4.						
5.						

$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1796$			
Absolute Open Flow 1796 Mcfd @ 15.025		Angle of Slope θ _____ Slope, n 85	

Remarks: **This acreage dedicated to Gas Company of New Mexico.**

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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