

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

Form C-122
Revised 9-1-65

Re-test

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-19-81			
Company NWP Corp.				Connection New Completion					
Pool Blanco				Formation MV				Unit Rosa Unit	
Completion Date 1-29-81		Total Depth 8015		Plug Back TD 5900		Elevation 6261		Farm or Lease Name Rosa Unit	
Csg. Size 5.500	Wt. 17.0	d 4.892	Set At 8015	Perforations: From 5376 To 5724			Well No. 80 MV		
Tng. Size 1.660	Wt. 2.33	d 1.380	Set At 5362	Perforations: From To			Unit K	Sec. Twp. Rye. 8 31N 5W	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Gas-Dual Completion						Packer Set At 5900		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g est. .580	% CO ₂	% N ₂	% H ₂ S	Proven choke		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							1183		1184		SIP
1.	2 X .750			157		60	157		1017		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		169	1.000	1.313	1.011	2155
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 X X
3.					Specific Gravity Flowing Fluid	X X X X X X X X X X
4.					Critical Pressure	P.S.I.A. R
5.					Critical Temperature	R

P _c 1196	P _c ² 1430416	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.6110$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.6195$
NO.	P _t ²	P _w	P _w ²
1		1017	1034289
2			
3			
4			
5			

Absolute Open Flow 5645 Mcfd @ 15.025		Angle of Slope °	Slope, n .75
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Remarks: Well produced light mist of water 1st hour of test, then cleared.
Vented 269 MCF/D - (Retest)

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: B.J. Broughton	Checked By: B.B.B.
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