

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 9-19-74			
Company AMOCO PRODUCTION COMPANY				Connection None					
Pool Basin				Formation Dakota				Unit	
Completion Date 9-26-74		Total Depth 8550'		Plug Back TD 8460'		Elevation 6800'		Farm or Lease Name Rosa Unit	
Csg. Size 4.500	Wt. 11.60	d	Set At 8550'	Perforations: From 8328' To 8435'		Well No. 54			
Tbg. Size 2.375	Wt. 4.70#	d	Set At 8257'	Perforations: From Open To Ended		Unit K	Sec. 36	Twp. 31	Rge. 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 8257'		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 4.026	Taps Flange	

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										
1.										
2.										
3.	Well Tested with back pressure and separator									
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							
2	Gas measured with 4" meter run and orifice plate						265
3	Integrated volume						
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1908	P _c ² 3,640,464	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.01464$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.01243$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		229	52531	3,587,933
2				
3				
4				
5				

Absolute Open Flow 268 Mcfd @ 15.025		Angle of Slope 80	Slope, n .85
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Remarks: 39-day shut-in 11-1-74 - Tbg. 1896#, Casing 1670#	
Pw calculated per C-122-A	

Approved By Commission:	Conducted By: Elledge/T.M. Oliver	Calculated By: Oliver/Richardson	Checked By: R. E. McClaskey
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