NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 10-1-74	
Company: AMOCO PRODUCTION COMPANY			Connection: None		
Pool: Basin			Formation: Dakota		Unit:
Completion Date: 10-25-74	Total Depth: 8282		Plug Back TD: 8237'	Elevation: 6576'	Farm or Lease Name: Rosa Unit
Csg. Size: 4.500 / Wt.: 11.6 / d: / Set At: 8282			Perforations: From 8106 To 8180		Well No.: 55
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 7990			Perforations: From Open To Ended		Unit: I / Sec.: 34 / Twp.: 31 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 7990'		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_2S	Prover	Meter Run	Taps
							4.026	Flange

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI									
1.									
2.	Well tested with back pressure and separator								
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							
2							
3	Gas measured with 4" meter run and orifice plate						264
4	Integrated Volume						
5							

NO.	P_t	Temp. °R	T_t	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2833 P_c^2 8,025,889

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		268	72061	7,953,828
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.009$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0077$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 266$

Absolute Open Flow 266 Mcfd @ 15.025 | Angle of Slope θ 80 | Slope, n .85

Remarks: 29-day shut-in 11-1-74 - Tbg. 2821#, Csg. 700#
Pw calculated per C-122-A.

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