

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool South Blanco			Formation Pictured Cliffs			County Rio Arriba		
Initial X		Annual		Special		Date of Test May 17, 1965		
Company Wagnesseller and August			Lease Mobil Apache #159			Well No. 7-1		
Unit H	Sec. 7	Twp. 23N	Range 2W		Purchaser EPNG			
Casing 4 1/2	Wt. 9.5	I.D. 4.090	Set at 3120		Perf. 3036	To 3056		
Tubing 2 3/8	Wt. 4.7	I.D. 1.995	Set at 3001		Perf. 3001	To		
Gas Pay:	From 3036	To 3056	L 3001	G 0.620 est.	GL	Bar. Press. 12.0		
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion 4-29-65		Packer		Reservoir Temp. 102°F				
OBSERVED DATA								
Tested Through:		Prover ☐	Choke X THC	Meter ☐		Type of Taps		

FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	
SI						897		903	
1.									
2.									
3.		3/4	205		48			506	3
4.									
5.									

FLOW CALCULATIONS							
No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P.D. @ 15.025 psia
1.							
2.							
3.	12.365		217	1.0117	0.9037	1.000	2.670
4.							
5.							

PRESSURE CALCULATIONS									
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____				
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____				
F _c _____ (1-e ^{-S}) _____					P _c 915 P _c ² 837,225				

No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Gal P _w	$\frac{P_w}{P_c}$
1.									
2.									
3.						268,324	568,901		1.4717
4.									
5.									

ABSOLUTE POTENTIAL: **3.708** MCFPD; n **0.85/1.3888**

COMPANY **Wagnesseller and August** WITNESSED _____

ADDRESS **170 S. Bev. Drive, Bev. Hills, Cal.** COMPANY _____

AGENT AND TITLE **Original Signed by Morris B. Jones, Engineer**
MORRIS B. JONES

