

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 11-17-67				
Company SHERMAN F. WAGENSELLER			Lease Mobil Apache			Well No. 11				
Unit C	Sec. 7	Twp. 23N	Range 2W		Purchaser EPNG					
Casing 4.500	Wt. 9.5	I.D. 4.090	Set at 3081		Perf. 2992		To 3024			
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 3020		Perf. 3020		To			
Gas Pay:	From 2992	To 3024	L 3020	G 0.65 est	GL 1963	Bar. Press. 12.0				
Producing Through:			Casing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single					
Date of Completion 11-4-67		Packer			Reservoir Temp. 103 °F					
OBSERVED DATA										
Tested Through: Prover ☐ Choke ☐ 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.	Temp. °F.	
SI						801		813		
1.										
2.		3/4	161		58			371		
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 PD @ 15.025 psia			
1.										
2.										
3.	12.365		173	1.0019	0.9608	1.000	2.059			
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 825 P _c ² 680,625					
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	Cal P _w	$\frac{P_w}{P_c}$	
1.										
2.						146,689	533,936		1.2747	
3.						k				
4.										
5.										

ABSOLUTE POTENTIAL: **2.531** MCFPD; n **0.85/1.2291**

COMPANY **SHERMAN F. WAGENSELLER** WITNESSED _____

ADDRESS **11950 San Vicente, L.A., Cal.** COMPANY _____

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

