

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

Form C-122
Revised 12-1-55

Well South Blanco		Location Pictured Cliffs		County Rio Arriba	
Initial X	Annual	Special	Date of Test 6-19-77		
Company Caulkins Oil Company		Lease Breech "E"		Well No. 558	
Unit A	Sec. 3	Twp. 26 N	Range 6 W	Owner Gas Company of New Mexico	
Casing 4 1/2"	Wt. 10.5	I.D. 4.00	Set at 3170	Port. 3074	To 3136
Tubing 1"	Wt. 1.7	I.D. 1.049	Set at 3121	Port. 3121	To
Gas Inlet	From 3074	To 3136	L	G	GL
Producing Through:		Casing	Tubing	Type Well Single - Is it in head - (GL, or GL, or GL)	
Date of Completion 5-20-77		Packer	Reservoir Temp.		

OBSERVED DATA

Tested Through:		Prover ☐	Choke ☒	Meter ☐	Type of Tap					
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (In.) Size	(Choke) (Orifice) Size	Press. psig	Diff. in W.	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.	7 days					1025		1025		3 hrs.
2.						35		330		
3.										
4.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$-\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F_T	Gravity Factor F_G	Gas Pressure P_G psia	Date of Flow test (M.D.Y.)
1.	14.1605		47	1.000	1.000	1.000	666
2.							
3.							
4.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flooding Fluid _____

P_c _____ (1-e^{-0.0001}) P_c _____ P_c^2 _____

No.	P_w P_c psia	P_c^2	$P_c Q$	$(P_c Q)^2$	$(P_c Q)^2 (1-e^{-0.0001})$	P_w^2	$P_c^2 - P_w^2$	Q/P_w	P_w/Q
1.						116,964	958,405		
2.									
3.									
4.									

ABSOLUTE POTENTIAL: 734 MCFPD: 0.35

COMPANY Caulkins Oil Company WITNESSED _____

ADDRESS P.O. Box 340, Bloomfield, N.M. COMPANY _____

AGENT AND TITLE Superintendent

This acreage dedicated to Gas Company of New Mexico.