

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

Form C-122
Revised 12-1-55

Pool Undesignated Chacra			Formation Chacra			County Rio Arriba		
Initial X		Annual		Special		Date of Test 6-6-66		
Company Merrion & Bayless				Lease Atlantic			Well No. 1	
Unit 0	Sec. 32	Twp. 24N	Range 6W		Purchaser			
Casing 4.5	Wt.	I.D. 4.000	Set at		Perf. 3192	To 3208		
Tubing 1 1/4	Wt. 2.40	I.D. 1.300	Set at 3138		Perf.	To		
Gas Pay:	From	To	L	G	GL	Bar. Press.		
				.650	2075	12.0		
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Gas Dual			
Date of Completion		Packer			Reservoir Temp.			

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.	
1.		3/4				837		Pkr.		
2.						74	60	"		5 hr.
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.	12.650		86	1.000	.9608		1026
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas: Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 P_c **24.62** (1-e^{-S}) **0.140** P_c **849** P_c² **720801**

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.	86	7396	25260	638068	89330	96726	624075		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **1143** MCFPD; n **.75 1.1141**

COMPANY **Merrion & Bayless** WITNESSED _____
 ADDRESS **P.O. Box 507** COMPANY **Telfeller Inc.**
 AGENT AND TITLE **Duane Merrion**