NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool	Formation	County
South Blanco	Chacra	Rio Arriba

Initial	Annual	Special	Date of Test
X			8-6-77

Company	Lease	Well No.
Caulkins Oil Company	Breech "B"	193

Unit	Sec.	Twp.	Range	Purchaser
M	7	26 N	6 W	Gas Company of New Mexico

Casing	Wt.	I.D.	Set at	Perf.	To
4 1/2"	10.5	4.000	3900	3677	3772

Tubing	Wt.	I.D.	Set at	Perf.	To
1 1/4"	2.3	1.350	3740	3740	

Gas Pay:	From	To	L	G	GL	Bar. Press.
	3677	3772	3740	.660	2468	

Producing Through:	Casing	Tubing	Type Well – Single – Bradenhead – G.G. or G.O. Dual
		Yes	Gas-Gas dual

Date of Completion	Packer	Reservoir Temp.
7-30-77	2879	

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐ Type of Taps

No.	FLOW DATA (Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	TUBING DATA Press. psig.	Temp. °F.	CASING DATA Press. psig.	Temp. °F.	DURATION OF FLOW HR.
SI	7 Days					1005		PKR		
1.						32		PKR		3 hrs.
2.										
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-MCFPD @ 15.025 psia
1.	14.1605		44	1.000	1.000	1.000	623
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 $(1-e^{-s})$ 0.164 P_c 1.017 P_c^2 1,034,289

No.	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	$\frac{P_w}{P_t}$
1.	44	1,936	15.338	235.26	38,583	40,519	993,770	201	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 641 MCFPD; n .75

COMPANY Caulkins Oil Company WITNESSED _____

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

AGENT AND TITLE Charles Chapman Supertindent

RECEIVED
AUG
OIL CON