

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

Form C-122
Revised 12-1-55

Location Otero Chacra		Formation Chacra		County El Arriba	
Annual		Special		Date of Test 7-10-77	
Company Caulkins Oil Company		Lease Breech "D"		Well No. 353	
Sec. 21	Twp. 26 N	Range 6 W	Purchaser Gas Company of New Mexico		
Perf. 4 1/2	Wt. 10.5	I.D. 4.00	Set at 4000	Perf. 3845	To 3950
Perf. 1 1/4"	Wt. 2.3	I.D. 1.350	Set at 3832	Perf. 3832	To
From 3845	To 3950	L 3832	G .660	GI. 2529	Bar. Press.
Producing Through: Casing		Tubing Yes		Type Well - Single - Braden head - G.G. or G.O. Dual Gas- Gas dual	
Date of Completion 6-19-77		Packer 3033		Reservoir Temp.	

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐					Type of Taps				
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.
(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
7 Days					925		PKR		3 hrs.
					20		PAR		

FLOW CALCULATIONS

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
14.1605		32	1.000	1.000	1.000	453

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
24.62 (1-e^{-S}) **0168** **937** **p_c² 877,969**

P_w 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	$\frac{P_w}{P_c}$
	1024	11.15	124.33	20,895	21,919	856,050	143	

ABSOLUTE POTENTIAL: **461** MCFPD; n **.75**

COMPANY **Caulkins Oil Company** WITNESSED _____

ADDRESS **P.O. Box 340, Bloomfield, New Mexico** COMPANY _____

AGENT AND TITLE **Superintendent**

