

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

Form G-122

Revised 12-1-65

Well: <u>Double Blanco</u>		Location: <u>Pictured Cliffs</u>		County: <u>Rio Arriba</u>	
Status: <u>Annual</u>		Special: _____		Date of Test: <u>7-5-77</u>	
Company: <u>Caulkins Oil Company</u>		Lease: <u>Breech "D"</u>		Well No.: <u>358</u>	
Start: <u>1</u>	Sec.: <u>21</u>	Twp.: <u>26 N</u>	Range: <u>6 W</u>	Purchaser: <u>Gas Company of New Mexico</u>	
Casing: <u>4 1/2"</u>	Wt.: <u>10.5</u>	I.D.: <u>4.00</u>	Set at: <u>4000</u>	Perf.: <u>3845</u>	To: <u>3950</u>
Tubing: <u>1"</u>	Wt.: <u>1.7</u>	I.D.: <u>1.049</u>	Set at: <u>2937</u>	Perf.: <u>2937</u>	To: _____
Gas Pay: _____	From: <u>3845</u>	To: <u>3950</u>	L: _____	G: _____	GL: _____
Producing Through: _____		Casing: _____		Tubing: _____	
Date of Completion: <u>6-19-77</u>		Packer: <u>3033</u>		Reservoir Temp.: _____	
Type Well - Single - Broken head - G. B. or G. W. Field					
Gas - Gas dual					

OBSERVED DATA

Tested Through: _____		Prover ☐	Choke ☒	Meter ☐	Type of Taps: _____	
FLOW DATA					TUBING DATA	
	(Prover) (1 in.) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h.w.	Temp. °F.	Press. psig.
1	<u>7 3/8"</u>					<u>910</u>
2						<u>47</u>
3						<u>430</u>
4						
5						
6						
7						
8						
9						
10						
					DURATION OF FLOW: <u>3 hrs.</u>	

FLOW CALCULATIONS

	Coefficient (21 hour)	$\sqrt{P_w P_t}$	Pressure psia	Flow Temp. Factor P_t	Gravity Factor P_t	Standard Factor P_t	Rate of Flow (cf/hr)
1	<u>11.335</u>		<u>59</u>	<u>1.000</u>	<u>1.000</u>	<u>1.000</u>	<u>335</u>
2							
3							
4							
5							
6							
7							
8							
9							
10							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio: _____ cf/bbl. Specific Gravity Separator Gas: _____
 Gravity of Liquid Hydrocarbon: _____ deg. Specific Gravity Flowing Fluid: _____
 _____ (10⁻³) P_w _____ P_t _____

	P_w P_t psia	P_t^2	P_w^2	$(P_w/P_t)^2$	$(P_w/P_t)^2 (1-e^{-e})$	P_w^2	$P_t^2 - P_w^2$	C_g P_w
1						<u>195,364</u>	<u>654,720</u>	
2								
3								
4								
5								
6								
7								
8								
9								
10								

ABSOLUTE POTENTIAL: 1042 MCFPD: 15

COMPANY: Caulkins Oil Company WITNESSED: _____

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

AGENT AND TITLE: Charles Dwyer Superintendent
 This acreage dedicated to Gas Company of New Mexico