

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

Form C-122
Revised 12-1-66

Well: <u>Otero Chacra</u>		Formation: <u>Chacra</u>		County: <u>Rio Arriba</u>	
Initial: <u>111</u>	Annual:	Special:	Date of Test: <u>7-5-77</u>		
Company: <u>Caulkins Oil Company</u>		Lease: <u>Breech "A"</u>		Well No.: <u>264</u>	
Unit: <u>1</u>	Sec.: <u>17</u>	Twp.: <u>26 N</u>	Range: <u>6 E</u>	Purchaser: <u>Gas Company of New Mexico</u>	
Casing: <u>4 1/2"</u>	Wt.: <u>10.5</u>	I.D.: <u>4.000</u>	Set at: <u>4110</u>	Perf.: <u>4006</u>	To: <u>4037</u>
Tubing: <u>1 1/4"</u>	Wt.: <u>2.3</u>	I.D.: <u>1.135</u>	Set at: <u>4022</u>	Perf.: <u>4022</u>	To:
Gas Pay: <u>4006</u>	From: <u>4006</u>	To: <u>4037</u>	L: <u>4022</u>	G: <u>660</u>	CL: <u>2654</u>
Producing Through: <u>Casing</u>		Tubing: <u>Yes</u>		Type Well - Single - Braden head - G.O. or G.O. Dual <u>Gas - Gas Dual</u>	
Date of Completion: <u>6-19-77</u>		Packet: <u>3197</u>		Reservoir Temp.:	

OBSERVED DATA

Tested Through: Prover ☐ Choke ☐ Meter ☐						Type of Tags:				
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Lined) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.	<u>7 1/2" SPS</u>					<u>975</u>		<u>212</u>		
2.						<u>13</u>		<u>212</u>		<u>1005</u>
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w \cdot I_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _c	Rate of Flow q (scf/day)
1.	<u>11.1335</u>		<u>20</u>	<u>1.000</u>	<u>1.000</u>	<u>1.000</u>	<u>257</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ den. Specific Gravity Flowing Fluid _____
 P_e 24.52 (10⁻⁸) 0.176 P_e 987 P_e² 974,469

No.	P _w P _f psia	P _f ²	P _c Q	(P _c Q) ²	(P _c Q) ² (10 ⁻⁸)	P _w ²	P _c ² - P _w ²	Ed P _w	$\frac{P_c}{P_w}$
1.	<u>20</u>	<u>734</u>	<u>9.740</u>	<u>95.05</u>	<u>15,732</u>	<u>17,513</u>	<u>956,657</u>	<u>132</u>	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 401 MCFPD: 75

COMPANY Caulkins Oil Company WITNESSED _____

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

AGENT AND TITLE Charles Curque Superintendent

This acreage dedicated to Gas Company of New Mexico

