

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

Form C-122
Revised 12-1-55

Well South Blanco		Location Pictured Cliffs		County Rio Arriba	
Initial	Annual	Special	Date of Test 8-15-78		
Company Caulkins Oil Co.		Lease State C comm		Well No. 2351 R	
Unit A	Sec. 16	Twp. 26N	Range 6W	Purchaser Gas Co. of New Mexico	
Casing 4 1/2"	Wt. 10.5#	I.D. 4.000	Set at 3976	Perf. 2920	To 3017
Tubing 1 1/4"	Wt. 2.3	I.D. 1.350	Set at 3901	Perf. 3901	To
Gas Pay:	From 2920	To 3017	L	G	GL Bar. Press.
Producing Through:		Casing	Tubing	Type Well - Single - Bruden head - G.G. or G.O. Dual	
Date of Completion 8-8-78		Packer		Reservoir Temp.	

OBSERVED DATA

Tested Through:		Prover <input type="checkbox"/>	Choke <input checked="" type="checkbox"/>	Meter <input type="checkbox"/>	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.						545		540		7 day 3 hrs.
2.						40		435		
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.	14.1605		52	1.000	1.000	1.000	736
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 _____ (1-e⁻⁵) P_c **557** P_c² **310,249**

No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁵)	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.	447					199,809	110,440		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: $\frac{1,597 \text{ ttl. R-5648}}{P_c - 1118 \text{ ncfd}}$ MCFPD: $n = 2.81^n = 2.16$

COMPANY Caulkins Oil Co. WITNESSED _____

ADDRESS P.O. Box 780, Farmington N.M. COMPANY _____

AGENT AND TITLE C.E. Varquer Supt.