

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Basin Dakota Formation Dakota County San Juan
 Initial ✓ Annual ✓ Special ✓ Date of Test 1/23/62
 Company Baker Oil & Gas Co. Lease Carrizo Gas Unit Well No. C-1
 Unit B Sec. 20 Twp. 39N Rgn. 11W Purchaser Southern Union
 Casing 4 1/2 In. ST I.D. 4.000 Set at 6190 Perf. 6296 To 6404
 Tubing 2 3/8 In. ST I.D. 1.995 Set at 6258 Perf. 6258 To 6296
 Gas Pay: From 6190 To 6404 L. 6258 to 2000 GL 4.381 Bar. Press. 12
 Producing Thru: Casing ✓ Tubing ✓ Type Well Single Gas
 Date of Completion: 1/16/62 Packer NONE Reservoir Temp. Single-Breidenhead-G. G. or G.G. Dual

OBSERVED DATA

Tested Through (Pumper) (Choke) (Water)

Type Taps

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Pumper) (Line) Size	(Choke) (Restriction) Size	Press. psia	Diff. in.	Temp. °F.	Press. psia	Temp. °F.	Press. psia	Temp. °F.	
1.	8 days					2000		1985		
2.	2"	3/4"				276	60' (at)	360	60' (at)	2 hr
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{sp}}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.145		228	1.000	.9258	1.034	3409
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio cf/bbl.
 Gravity of Liquid Hydrocarbons deg.
 P_c (1-e^{-s})
 Specific Gravity Separator Gas
 Specific Gravity Flowing Fluid
 P_c 1997 P_c^2 3988009

No.	P_w Pt (psia)	P_c^2	$P_c Q$	$(P_c Q)^2$	$(P_c Q)^2 (1-e^{-s})$	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	P_w / P_c
1.	228					138.384	3988009		
2.									
3.									
4.									
5.									

Absolute Potential: 3500 MCFPD; n .75
 COMPANY Baker Oil & Gas Company
 ADDRESS Drawer # 570, Farmington, N. Mexico
 AGENT and TITLE B. H. McLean B. H. McLean, Dist. Engr.
 WITNESSED
 COMPANY

REMARKS

