

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Formation DAKOTA County SAN JUAN
 Initial _____ Annual _____ Special _____ Date of Test 5/9/64
 Company ARTEL OIL & GAS Lease Nyc Well No. 13-D
 Unit D Sec. 12 Twp. 30N Rge. 11W Purchaser _____
 Casing 4 1/2 Wt. 9.5-10.5 I.D. 4.000 Set at 7116 Perf. 6846 To 7050
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 6834 Perf. Pio Gallos To _____
 Gas Pay: From 6846 To 7050 L 6834 XG 1.0000 GL 4784 Bar.Press. 12
 Producing Thru: Casing _____ Tubing ✓ Type Well SINGLE - GAS
 Single-Bradenhead-G. G. or G.O. Dual _____
 Date of Completion: 5/2/64 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Packer) (Choke) (Meter) Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Packer) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						2163		2163		
1.	2"	24"				218	600.0	625	600.0	3
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.365		230	1.0000	.9258	1.0280	2707
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 P_c _____ (1-e⁻⁸)

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 2175 P_c 4,730,625

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸)	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w / P _c
1.	637					405,769	4,324,856		
2.									
3.									
4.									
5.									

Absolute Potential: 2895 MCFPD; n .75

COMPANY ARTEL OIL AND GAS
 ADDRESS DRAWER 520 FARMINGTON, NEW MEXICO
 AGENT and TITLE B. H. Munn DISTRICT ENGINEER
 WITNESSED _____
 COMPANY _____

REMARKS

