

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 4/9/62
 Company ARTEL OIL & GAS CO Lease EAST Well No. 6
 Unit NW 1/4 Sec. 22 Twp. 31N Rge. 12W Purchaser
 Casing 4 1/2 Wt. 95+11 1/2 I.D. 4.000 Set at 7417 Perf. 7216 To 7328
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 7284 Perf. 7284 To
 Gas Pay: From 7216 To 7328 L 7284 xG 700(amt) -GL 5098 Bar.Press.
 Producing Thru: Casing Tubing ✓ Type Well SINGLE - Gas
 Date of Completion: 4/1 Packer Single-Bradenhead-G. G. or G.O. Dual
 Reservoir Temp.

OBSERVED DATA

Tested Through (Plunger) (Choke) (Valve)Type Taps

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Plunger) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	8 DAYS					1881		1881		
1.	2	3/4				106	60°(amt)	597	60°(amt)	3
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wf}}$	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		118	1.000	0.950	1.014	4.576
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 1893 P_c² 3583449

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.	559					312,481	3,270,960		
2.									
3.									
4.									
5.									

Absolute Potential: 4,467 MCFPD; n .75COMPANY ARTEL OIL & GAS CO.ADDRESS DIV. 570, FARMINGTON, NEW MEXICOAGENT and TITLE B. H. MearnsWITNESSED DISTRICT ENGINEERCOMPANY

REMARKS

