

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool ARTEC PICTURED CLIFFS Formation PICTURED CLIFFS County SAN JUAN
 Initial ✓ Annual ✓ Special ✓ Date of Test 11/14/61
 Company ARTEC OIL & GAS CO. Lease NYE Well No. * 12
 Unit G Sec. 12 Twp. 30N Rge. 11W Purchaser SOUTHERN UNION GAS
 Casing 2 7/8 Wt. 6.5 I.D. 2.469 Set at 2670 Perf. 2572 To 2586
 Tubing ✓ Wt. ✓ I.D. ✓ Set at ✓ Perf. ✓ To ✓
 Gas Pay: From 2572 To 2586 L 2572 XG 65(E) -CL 1672 Bar. Press. 12
 Producing Thru: Casing ✓ Tubing ✓ Type Well SINGLE GAS
 Single-Bradenhead-G. G. or G.O. Dual
 Date of Completion: 11/5/61 Packer NONE Reservoir Temp. ✓

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)Type Taps ✓

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.	9 days	3/4"						673		
2.	2 "							80	60(E)	2 HR
3.										
4.										
5.										

FLOW CALCULATIONS

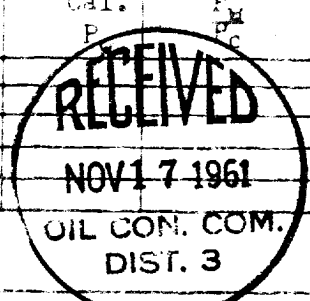
No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.365		92	1.000	.9608	1.009	1103
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

Specific Gravity Separator Gas ✓
 Specific Gravity Flowing Fluid ✓
 P_c 685 P_c 469, 225

No.	P _w P _t (psia)	P _t ²	P _c Q	(P _c Q) ²	(P _c Q) ² (1-e ⁻⁸)	P _w	P _c ² -P _w ²	Cal. P	P _w P _c
1.	92					846.4	460.761		
2.									
3.									
4.									
5.									



Absolute Potential: 1120 MCFPD; n .85
 COMPANY ARTEC OIL & GAS COMPANY
 ADDRESS DRAWER # 570, FARMINGTON, NEW MEXICO
 AGENT and TITLE B.H. MEANS DIST. ENGR.
 WITNESSED ✓
 COMPANY ✓

REMARKS