

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Review 10/1/62

Pool Blanco MV Formation Mesaverde County SAN JUAN
Initial _____ Annual _____ Special Wellbore Date of Test 10/1/62
Company Artec Oil and Gas Lease Thompson Well No. 2
Unit C Sec. 28 Twp. 31N Rgs. 12W Purchaser Southern Union Gathering
Casing 4 1/4 Wt. 9.5 I.D. 4.000 Set at 5110 Perf. 4830 To 4931
Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 4839 Perf. 4809 To 4824
Gas Pay: From 4830 To 4931 L 4809 to 7004 - H 3366 Bar. Press. 14
Producing Thru: Casing _____ Tubing ✓ Type Well SINGLE-GAS
Recompletion: _____ Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 9/28/62 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (Packer) (Choke) (Motor)

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						839		839		
1.	2"	3/4"				189	60"wt.	384	60"wt.	3
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor P_t	Gravity Factor V_g	Compress. Factor F_{pr}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.2650		201	1.000	.9258	1.025	2.358
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
 P_c 851 P_t 224,201

No.	P_w P_t (psia)	P_t^2	$P_c Q$	$(P_c Q)^2$	$(P_c Q)^2 (1-e^{-8})$	P_c	$P_c^2 - P_w^2$	Cal. P_w	P_w / P_c
1.	486					168,876	58,946		
2.									
3.									
4.									
5.									

Absolute Potential: 2862 MCFPD: 25
COMPANY Artec Oil & Gas
ADDRESS Box 570 Farmington, New Mexico
AGENT and TITLE B. H. Meade District Engineer
WITNESSED _____
COMPANY _____

REMARKS

