

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesaverde Formation Mesaverde County San Juan
 Initial _____ Annual _____ Special Workover Date of Test 9/5/62
 Company Artes Oil and Gas Lease EAST Well No. 4
 Unit B Sec. 24 Twp. 3.1N Rgn. 12W Purchaser SOUTHERN UTAH GATHERING
 Casing 4 1/2 Wt. 9.5 I.D. 4.000 Set at 5145 Perf. 4850 To 5093
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 4904 Perf. 4872 To 4884
 Gas Pay: From 485 To 5093 L 4872 xG .700 GL 3410 Bar. Press. _____
 Producing Thru: Casing _____ Tubing ☒ Type Well SINGLE GAS
Recompletion Single-Bradenhead-G. G. or G.O. Dual
 Date of Completion: 8/30/62 Packer _____ Reservoir Temp. _____

OBSERVED DATA

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

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Packer) (Line) Size	(Choke) (Restrictor) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						763		763		
1.	2"	3/4"				263	60.2	417	60.2	3
2.										
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.	123650		215	1.000	9258	1.026	2,525
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 F_c _____ (1-e^{-s})

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 F_c 775 P_c 600, 625

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	429					182,041	416,584		.537
2.									
3.									
4.									
5.									

Absolute Potential: 3.322 MCFPD; n. .75

COMPANY Artes Oil and Gas Co.

ADDRESS Drawer 570 Farmington, New Mexico

AGENT and TITLE R. H. Means District Engineer

WITNESSED _____

COMPANY _____

REMARKS _____

