

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan
 Initial _____ Annual _____ Special _____ Date of Test 7/13/62
 Company Artes Oil & Gas Co Lease Harc Well No. 18-D
 Unit H Sec. 10 Twp. 29N Rgs. 12W Purchaser _____
 Casing 4 1/2 Wt. 9.5 I.D. 4.000 Set at 6909 Perf. 6648 To 6864
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 6638 Perf. 6648 To _____
 Gas Pay: From 6648 To 6864 L. 6638 H. 7000 - G. 4647 Bar. Press. 12
 Producing Thru: Casing _____ Tubing ✓ Type Well SINGLE GAS
 Single-Bradenhead-G. G. or G.O. Dual
 Date of Completion: 7/6/62 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Packer) (Choke) (Valve) Type Tape _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr
	(Packer) (Line) Size	(Choke) (Valves) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.	2"					1981		1984		
2.		3/4"				220	60°F	456	60°F	3
3.										
4.										
5.										

FLOW CALCULATIONS

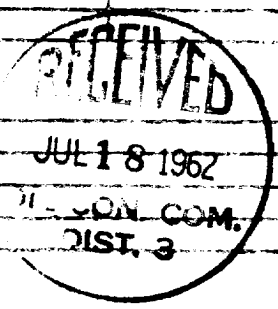
No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pr}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.7650		232	1.000	.9278	1.048	2730
2.							
3.							
4.							
5.							

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 1996 P_c 2,884 P_c 2,884

No.	P _w P _t (psia)	P _c ²	P _c Q	(P _c Q) ²	(P _c Q) ² (1-e ⁻⁸)	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	468					319,624	3,764,896		2.14
2.									
3.									
4.									
5.									

Absolute Potential: 2,845 MCFPD; n .75
 COMPANY Artes Oil & Gas Company
 ADDRESS Denver, 570, Franklin Ave., N. Mex.
 AGENT and TITLE B. H. McLean DISTRICT ENGINEER
 WITNESSED _____
 COMPANY _____
 REMARKS _____



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DATE	TIME	REMARKS
SEP 4 1961		
TO		
FROM		
BY		
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TRANS-OPTER	OIL GAS	
P. L. DIST. OFFICE		
OPERATION		