

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool BASIN DAKOTA Formation DAKOTA County SAN JUAN
 Initial _____ Annual _____ Special _____ Date of Test 11/2/62
 Company ARTEC OIL & GAS Lease DAVIS Well No. 8-D
 Unit 0 Sec. 11 Twp. 31N Rge. 12W Purchaser _____
 Casing 4 1/4 Wt. 9.5 I.D. 4.000 Set at 7590 Perf. 7334 To 7481
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 7308 Perf. Pin Calk To _____
 Gas Pay: From 7334 To 7481 L 7308 xG .2000 GL 5116 Bar. Press. 12
 Producing Thru: Casing _____ Tubing ☒ Type Well SINGLE GAS
 Single-Bradenhead-G. G. or G.O. Dual _____
 Date of Completion: 10/24/62 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (Summit) (Choke) (Pin Calk)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Summit) (Line) Size	(Choke) (Summit) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.	2"	2"				1886		1886		3
2.						328	60°	766	60°	
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3650		340	1.000	.9258	1.043	4060
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

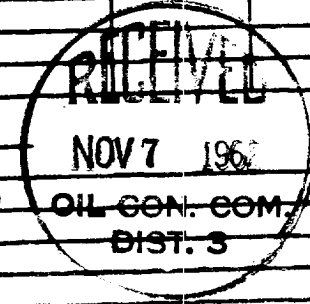
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 F_c _____ (1-e^{-B})

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 1898 P_c 3,622,404

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-B})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	778					605,284	2,997,100		410
2.									
3.									
4.									
5.									

Absolute Potential: 4.655 MCFPD; n .75

COMPANY ARTEC OIL AND GAS CO.
 ADDRESS Dumas 570 Farmington, New Mexico
 AGENT and TITLE _____
 WITNESSED _____
 COMPANY _____



REMARKS