

MULTI-POINT JACK PRESSURE TEST FOR GAS WELLS

Pool BASIN Formation DAKOTA County SAN JUAN
 Initial Annual Special Date of Test 1/24/64
 Company ARTEL OIL & GAS Lease DAVIS Well No. 10-9
 Unit C Sec. 12 Twp. 31N Rge. 12W Purchaser _____
 Casing 4 1/2 Wt. 95-105 I.D. 4.020 Set at 7671 Perf. 7428 To 7671
 Tubing 2 3/4 Wt. 4 7/8 I.D. 1.995 Set at 7421 Perf. 7421 To Open ended
 Gas Pay: From 7428 To 7671 & 7421 to 7671 GL 5795 Bar. Press. 14
 Producing thru: Casing _____ Tubing X Type Well SINGLE - GAS
 Date of Completion: 1/17/64 Packer _____ Single-Bradenhead-G. G. or G.O. Dual _____
 Reservoir Temp. _____

OBSERVED DATA

Tested Through: () (Choke) ()						Type Taps				
Flow Data						Tubing Data		Casing Data		Duration of Flow Hr.
No.	() (Line) Size	(Choke) () Size	Press. psig	Diff. in	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.	2"	3/4"				1964		1970		3
2.						202	6094	829	6094	
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (2L-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.	12365		214	1.000	1.000	1.000	2514
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 1952 P_c 2328.248

No.	P_w P_t (psia)	$\frac{P_w^2}{P_t^2}$	$P_c Q$	$(P_c Q)^2$	$\frac{(P_c Q)^2}{(1-e^{-8})}$	P_w^2	$P_c^2 - P_w^2$	Cal. F_R	$\frac{P_w}{P_t}$
1.	241					202281	223408		
2.									
3.									
4.									
5.									

Absolute Potential: 2412 MCFPD: 0.75
 COMPANY ARTEL OIL & GAS
 ADDRESS 2000 N. 1st St. P.O. Box 1000, Santa Fe, N.M.
 AGENT and TITLE R. D. Fisk District Engineer
 WITNESSED _____
 COMPANY _____

REMARKS

