

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool BASIN Formation DAKOTA County SAN JUAN
 Initial _____ Annual _____ Special _____ Date of Test 1/19/64
 Company ARTEL OIL & GAS Lease Richardson Well No. 8-D
 Unit P Sec. 10 Twp. 31N Rge. 12W Purchaser _____
 Casing 4 1/2 Wt. 95-105 I.D. 4.000 Set at 7449 Perf. 7195 To 7337
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 7305 Perf. 7305 To Open ended
 Gas Pay: From 7195 To 7337 L 7305 xG 700 xGL 5114 Bar.Press. 12
 Producing Thru: Casing _____ Tubing ☒ Type Well SINGLE - GAS
 Single-Bradenhead-G. G. or G.O. Dual _____
 Date of Completion: 1/12/64 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Packer) (Choke) (None)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Line) Size	(Choke) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						1986		2010		
1.	2"	3/4"				190	60.2	635	60.2	3.60
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.365		202	1.000	0.9258	1.0250	2370
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 2022 P_c 4088.484

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.	647					418,609	366,873		
2.									
3.									
4.									
5.									

Absolute Potential: 2570 MCFPD; n .75

COMPANY Artes Oil & Gas
 ADDRESS Dallas 578 FARMINGTON, New Mexico
 AGENT and TITLE B. D. Meana DISTRICT ENGINEER
 WITNESSED _____
 COMPANY _____

REMARKS

