

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County Dakota

Initial _____ Annual _____ Special _____ Date of Test 5-1-62

Company Artec Oil & Gas Co. Lease Green Cr Well No. 4 B

Unit G Sec. 4 Twp. 24 N Rge. 10 W Purchaser _____

Casing 4 1/2" Wt. 95+11.6 I.D. 4.000 Set at 6985 Perf. 6782 To 6940

Tubing 2 3/8" Wt. 4.7 I.D. 3.995 Set at 6721 Perf. Run Celler To _____

Gas Pay: From 6182 To 6940 L 6721 xG 700 -GL _____ Bar. Press. 12

Producing Thru: Casing _____ Tubing ✓ Type Well Single - Gas

Single-Bradenhead-G. G. or G.O. Dual _____

Date of Completion: 5-4-62 Packer NONE Reservoir Temp. _____

OBSERVED DATA

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

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) () Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	7 days					2018		2018		
1.	2"	3/4"				221	60.5	204	60.5	3 hrs
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		237	1.000	1.258	1.010	2,709
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 2090 P_c 4,310 cc

No.	P _w P _t (psia)	P _t ²	P _c Q	(P _c Q) ²	(P _c Q) ² (1-e ⁻⁸)	P _w	P _c ² -P _w ²	Cal. P _w	P _w ² P _c
1.	216					43,800	5,740,000		
2.									
3.									
4.									
5.									

Absolute Potential: 2161 MCFPD; n 1/5

COMPANY Artec Oil & Gas Co.

ADDRESS Greene 216 Farmington New Mexico

AGENT and TITLE B. H. Means District Manager

WITNESSED _____

COMPANY Artec Oil & Gas Co.

REMARKS

