

MULTI-POINT L.P.S. PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Basin Dakota Formation Dakota County SAN JUAN
 Initial _____ Annual _____ Special _____ Date of Test 8/24/62
 Company Antec Oil and Gas Name Thompson Well No. 7-12
 Unit M Sec. 34 Twp. 24N R. 12W Purchaser _____
 Casing 4 1/2 wt. 9 5/8 I.D. 4.200 Set at 7080 Perf. 6844 To 6820
 Tubing 2 3/8 wt. 4.7 I.D. 1.925 Set at 6816 Perf. 6816 To _____
 Gas Pay: From 6844 To 6930 L 6844 M 7080 G 4771 Bar. Press. 14
 Producing Thru: Casing _____ Tubing ☒ Type Well SINGLE GAS
 Date of Completion: 7/12/62 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
 Reservoir Temp. _____

OBSERVED DATA

Tested Through (Packer) (Choke) (Packer)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hrs.
	(Line) Size	(Choke) Size	Press. psig	Diff. in. H ₂ O	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.	2"	1/2"				1868		1869		
2.						17	60.0	2.12	60.0	3
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{sp}}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pr}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3650		106	1.000	.9258	1.000	1.227
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ of fluid.
 Gravity of Liquid Hydrocarbons _____ deg.
 P_c _____ (1- e^{-8})
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 1881 P_c 3,538,161

No.	P_w P_t (psia)	$1/t$	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-8})$	P_w	$P_c^2 - P_w^2$	Cal. P_w	P_w / P_c
1.	244					118,336	3,718,015		0.146
2.									
3.									
4.									
5.									

Absolute Potential: 1.259 MCFPD n 75
 COMPANY Antec Oil and Gas
 ADDRESS Dakota 570 Farming & New Mexico
 AGENT and TITLE R. R. Thomas District Engineer
 WITNESSED _____
 COMPANY _____

REMARKS