

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Formation DAKOTA County SAN JUAN
Initial _____ Annual _____ Date of Test 3/30/64
Company ARTEL OIL & GAS Lease _____ Well No. 3-A
Unit G Sec. 34 Twp. 30N Rge. 10W Purchaser _____
Casing 4 1/2 Wt. 95-115 I.D. 4.000 Serial _____ To 6852
Tubing 2 3/8 Wt. 47 I.D. 1.975 Serial _____ To 7044
Gas Pay: From 6852 To 7044 L 6864 xG 701 GL 4805 Bar. Press. 12
Producing Thru: Casing _____ Tubing ✓ Type Well SINGLE
Date of Completion: 3/23/64 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through () (Choke) ()

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						1977		1978		
1.	2"	3/4"				142	66.5	513	66.5	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		154	1.000	.7258	1.019	1796
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1990 P_c 3769.100

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸)	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	525					275,625	3,684,475		
2.									
3.									
4.									
5.									

Absolute Potential: 1896 MCFPD; n .75
COMPANY ARTEL OIL & GAS
ADDRESS Danner 520 Farmington, New Mexico
AGENT and TITLE B. H. Danner DISTRICT ENGINEER
WITNESSED _____
COMPANY _____

REMARKS

