

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Formation Pictured Cliffs County San Juan
Initial X Annual _____ Special _____ Date of Test 8-24-57
Company PUBCO PETROLEUM CORPORATION Lease Federal Well No. 9-2
Unit 8 Sec. 9 Twp. 27N Rge. 8W Purchaser El Paso Natural Gas Company
Casing 7" Wt. 20 & 23 I.D. 6.316 Set at 2278 Perf. 2177 To 2234
Tubing 1" Wt. 1.7 I.D. _____ Set at 2218 Perf. 2172 To 2215
Gas Pay: From 2177 To 2234 L 2167 xG .640 -GL 1387 Bar.Press. 12
Producing Thru: Casing _____ Tubing X Type Well single
Single-Bradenhead-G. G. or G.O. Dual _____
Date of Completion: 8-17-57 Packer none Reservoir Temp. 95°

OBSERVED DATA

Tested Through (removed) (choke) (meter) 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	2"	3/4	84		60°	84	60	579	60°	3 hours
1.						761 SI		761 SI		7-day SI
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor 60° Ft	Gravity Factor .640 F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.365		96	1.0	1.0077	1.007	1204
2.							
3.			1187.04		1196.18	1204.56	
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio X cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c 50.40 (1-e^{-s}) .096

Specific Gravity Separator Gas .640
Specific Gravity Flowing Fluid _____
P_c 773 P_c² 597,529

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.	96	9216	60,683	368,243	353,513	349,281			
2.									
3.									
4.					Calc. P _v	367,729	234,800	602	.7788
5.									

Absolute Potential: 2553 MCFPD; n 85

COMPANY PUBCO PETROLEUM CORPORATION
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AGENT and TITLE M. L. Seelinger, Dist. Mgr.
WITNESSED M. L. Seelinger
COMPANY Pubco Petroleum Corporation

REMARKS