

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool South Blanco Formation Pictured Cliff County San Juan
Initial X Annual _____ Special _____ Date of Test 9-4-57
Company PUBCO PETROLEUM CORPORATION Lease Federal Well No. 9-3
Unit N Sec. 9 Twp. 27N Rge. 8W Purchaser El Paso Natural Gas Company
Casing 7" Wt. 23# I.D. 6.366 Set at 2456 Perf. 2351 To 2414
Tubing 1" Wt. 1.7 I.D. 1.049 Set at 2409 Perf. 2388 To 2409
Gas Pay: From 2351 To 2414 L 2388 xG 640 -GL 1528 Bar.Press. 12
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 9-4-57 Packer no Reservoir Temp. 94

OBSERVED DATA

Tested Through (Proven) (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.	
1.	2"	3/4	67		60	821	60°	3 hours
2.						67	60°	3 hours
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		79	1.0	1.0077	1.007	991
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c 50.40 (1-e^{-s}) .105
Specific Gravity Separator Gas .640
Specific Gravity Flowing Fluid _____
P_c 833 P_c² 693,889

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.	79	6241	49,946	2494.60	261,930	210,681	483,208		
2.									
3.						268,171		518	
4.									
5.									

Absolute Potential: 1348 MCFPD; n .85
COMPANY PUBCO PETROLEUM CORPORATION
ADDRESS 106 West Chuaska, Aztec, New Mexico
AGENT and TITLE N. E. Maxwell, Jr., Mgr. Prod. Dept.
WITNESSED Wayne Martin
COMPANY Pubco Petroleum Corporation

REMARKS