

NM OCC-3
Peppin-1
Truby-1
Fowler-1
File-1

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool So Blanco PC Formation Pictured Cliffs County San Juan
Initial X Annual _____ Special _____ Date of Test Nov 4, 1957
Company Northwest Production Corp. Lease San Juan 27-8 Well No. 4-13
Unit 0 Sec. 13 Twp. 27N Rge. 8W Purchaser Not connected
Casing 5 Wt. 11.5 I.D. _____ Set at 2643 Perf. 2542 To 2590
Tubing 1 1/4 Wt. 2.3 I.D. _____ Set at 2548 Perf. _____ To _____
Gas Pay: From 2542 To 2590 L _____ xG .680 -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 10-28-57 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (1 1/4 inch) (Choke) (1 1/4 inch) Type Taps _____

No.	Flow Data				Tubing Data		Casing Data		Duration of Flow Hr.
	(Line) Size	(Choke) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.
SI						852		853	SI
1.									
2.									
3.	2	3/4				104	50	598	3 hrs
4.									
5.									

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.							
2.							
3.	12.3650		116	1.0098	.9393	1.013	1.378
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 865 P_c² 748.2

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.									
2.									
3.						372.1	376.1		1.99
4.									
5.									

Absolute Potential: 2,473 MCFPD; n .85/1.7947
COMPANY Northwest Production Corp.
ADDRESS 204 North Orchard, Farmington, New Mexico
AGENT and TITLE L. E. Gilbert, Asst Drilg Engr
WITNESSED _____
COMPANY _____

REMARKS



INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia

P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

F_t = Flowing temperature correction factor.

F_{pv} = Supercompressability factor.

n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

COMPANY Northwest Production Corp.
LEASE San Juan 27-8 WELL NO. 4-13
DATE OF TEST November 4, 1957

FLOW THROUGH 3/4" T.C. Choke WORKING PRESSURES FROM Casing

[illegible]

START AT: 11:50 AM END TEST AT 2:50 PM

[illegible]

TESTED BY: L. E. Gilbert

WITNESS: _____

WILSON CONSERVATION COMMISSION

AZERO DISTRICT OFFICE

No. C-70689

Figure 1. Schematic diagram of the experimental setup. The subject is seated in a chair and views the target through a video camera. The target is a light source that is controlled by a computer. The subject's hand is positioned over the target. The distance between the hand and the target is 10 cm. The target is a light source that is controlled by a computer. The subject's hand is positioned over the target. The distance between the hand and the target is 10 cm.

1. *Chlorophyll a* (Chl *a*)

Age Group	1990	1995	2000	2005
0-14	18	16	14	12
15-24	12	13	14	15
25-34	15	14	13	12
35-44	12	13	14	15
45-54	15	14	13	12
55-64	12	13	14	15
65-74	15	14	13	12
75+	12	13	14	15

100

100