

AM OGC-3
Peppin-1
Truby-1
File-1

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat Formation Graneros-Bakota County Rio Arriba
Initial XX Annual _____ Special _____ Date of Test 4-8-57
Company Northwest Production Corp. Lease "C" Well No. 2-29
Unit L Sec. 29 Twp. 26N Rge. 4W Purchaser Not connected
Casing 5" Wt. 6.150 I.D. _____ Set at 7800 Perf. _____ To _____
Tubing 2" Wt. 4.700 I.D. 1.995 Set at 7657 Perf. 7334 To 7788
Gas Pay: From 7534 To 7852 L 7657 xG .650 -GL 4977 Bar.Press. 12
Producing Thru: Casing _____ Tubing XX Type Well Dual - G - G
Date of Completion: 3-31-57 Packer Yes Reservoir Temp. _____

OBSERVED DATA

Tested Through (Hole) (Choke) (Hole) Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						2135		1268		81
1.		3/4"	52		60	52	60	1271		3 hours
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.	14.1605		64	1.000	.9608	1.000	871
2.							
3.							
4.							
5.							

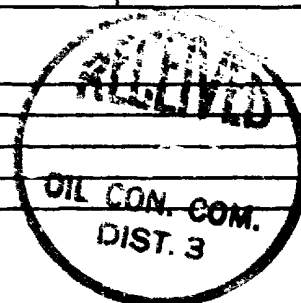
PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c 9.402 (1-e^{-S}) .304
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2147 P_c 4,605,309

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.	64	4096	819	671	204	4300	4,605,309		1.00
2.									
3.									
4.									
5.									

Absolute Potential: 871 MCFPD; n .75/1.000
COMPANY Pacific Northwest Pipeline Corp.
ADDRESS 409 1/2 N. Broadway, Farmington, New Mexico
AGENT and TITLE C. E. Wagner, Well Test Engineer
WITNESSED A. L. Hendricks
COMPANY M. M. G. C.C.

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} = Supercompressibility 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 .

DRILLING DEPARTMENT

COMPANY **Northwest Production Corp.**

LEASE "C" WELL NO. 1-29

DATE OF TEST **4-8-57**

SHUT IN PRESSURE (PSIG): TUBING 2195 CASING 1268 S. I. PERIOD 7 DAYS

SIZE BLOW NIPPLE 3/4" Choke (Bureau of Mines)

FLOW THROUGH Tubing WORKING PRESSURES FROM _____

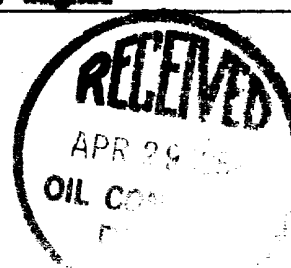
[illegible]

START AT 10:25 AM

END TEST AT 1:25 PM

REMARKS: Surging through out test - very wet with H₂O and emulsion

TESTED BY **C. R. Wagner**



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 3

DISTRIBUTION

	NO FURNISHED	
Operator		
Santa Fe	/	
Production Office		
State Land Office		
J. S. G. S.	/	
Transporter		
File	/	✓