NM OCC-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 Mesaverde County Rio Arriba

Initial XX Annual ____ Special ____ Date of Test 4-5-57

Company Northwest Production Corp. Lease "E" Well No. 3-34

Unit N Sec. 34 Twp. 26N Rge. 3W Purchaser Not connected

Casing 5½ Wt. 14.0# ~~15.5#~~ I.D. 5.012 ~~4.950~~ Set at 6252 Perf. 5578 To 6186

Tubing 2-3/8 Wt. 4.7# I.D. 1.995 Set at 5669 Perf. ____ To ____

Gas Pay: From 5578 To 6186 L ____ xG Est .70 -GL 3968 Bar.Press. 12

Producing Thru: Casing ____ Tubing XX Type Well Dual - G-G

Date of Completion: 3-25-57 Packer Yes - 5479' Reservoir Temp. ____

Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through ~~(Prover)~~ (Choke) ~~(Meter)~~ BM Type Taps ____

No.	Flow Data: ~~(Prover)~~ (Line) Size	Flow Data: (Choke) ~~(Orifice)~~ Size	Flow Data: Press. psig	Flow Data: Diff. h_w	Flow Data: Temp. °F.	Tubing Data: Press. psig	Tubing Data: Temp. °F.	Casing Data: Press. psig	Casing Data: Temp. °F.	Duration of Flow Hr.
SI						1083		1030		SI
1.										
2.	2	3/4				27	60	1028	60	3 hr
3.										
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.	14.1605		39	1.000	.9258	1.004	513
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio ____ cf/bbl.
Gravity of Liquid Hydrocarbons ____ deg.
F_c 9.402 $(1-e^{-s})$ 0.251

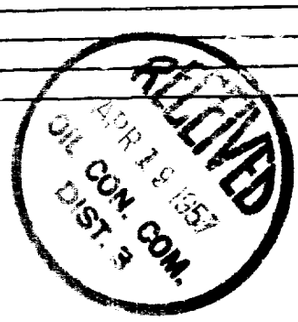
Specific Gravity Separator Gas ____
Specific Gravity Flowing Fluid ____
P_c 1173 P_c^2 1376

No.	P_w P_t (psia)	P_t^2	$F_c Q$	$(F_c Q)^2$	$\frac{(F_c Q)^2}{(1-e^{-s})}$	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.									
2.									
3.	39	1.5	4.82	23.2	5.82	7.34	1369		1.005
4.									
5.									

Absolute Potential: 513 MCFPD; n .75/1.000

COMPANY Pacific Northwest Pipeline Corp.
ADDRESS 405½ W. Broadway, Farmington, New Mexico
AGENT and TITLE D. C. Adams
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.