

NEW MEXICO OIL CONSERVATION COMMISSION

FILE # 1

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Tapacito PC Extn. Formation Pictured Cliffs County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 8-22-56
Company Northwest Production Corp. Lease "E" Well No. 1-33
Unit N Sec. 33 Twp. 26N Rge. 3W Purchaser Not connected
Casing 4-1/2" Wt. 9.5# I.D. _____ Set at 4107.01 Perf. 3958 To 3990
Tubing 1-1/4" Wt. 2.3# I.D. _____ Set at 3943 Perf. _____ To _____
Gas Pay: From 3958 To 3990 L _____ xG .600 -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing X Type Well Single-Gas
Date of Completion: 7-28-56 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (3958) (Choke) (3943) 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						1047	48	1047		
1.		3/4" T.C.				132		832		3 hrs
2.										
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.	12.3650		144	1.0108	1.000	1.013	1823
3.							
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 1059 P_c 1121.5

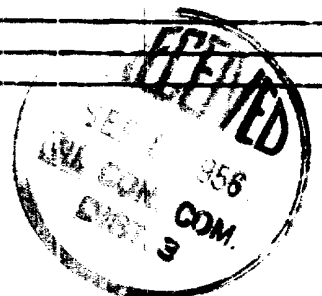
No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w / P _c
1.									
2.	844					712.3	409.2		2.741
3.									
4.									
5.									

Absolute Potential: 4,304 MCFPD; n (.85) 2.361COMPANY Northwest Production CorporationADDRESS 520 Sims Building, Albuquerque, New MexicoAGENT and TITLE T. A. Dugan, Dist. Engr.

WITNESSED _____

COMPANY _____

REMARKS _____



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PACIFIC NORTHWEST PIPELINE CORPORATION

DRILLING DEPARTMENT

COMPANY Northwest Production Corp.LEASE "E" WELL NO. 1-33DATE OF TEST 8-22-56SHUT IN PRESSURE (PSIG): TUBING 1047 CASING 1047 S.I. PERIOD 11 DAYSSIZE BLOW NIPPLE 3/4" T. C. ChokeFLOW THROUGH Tubing WORKING PRESSURES FROM Casing

TIME		CHECK	Q (MCFD)	CASING	
HOURS	MINUTES	PRESSURE	15.025 PSIA & 60°F	WELLHEAD WORKING PRESSURE (PSIG)	TEMP
	<u>34-1/2</u>	<u>203</u>	<u>2510</u>	<u>843</u>	<u>48</u>
	<u>41-1/2</u>	<u>193</u>	<u>2385</u>	<u>831</u>	<u>48</u>
	<u>50</u>	<u>183-1/2</u>	<u>2270</u>	<u>823</u>	<u>48</u>
<u>1</u>	<u>0</u>	<u>174-1/2</u>	<u>2195</u>	<u>814</u>	<u>48</u>
<u>1</u>	<u>12</u>	<u>172-1/2</u>	<u>2130</u>	<u>805</u>	<u>48</u>
<u>1</u>	<u>26-1/2</u>	<u>167</u>	<u>2065</u>	<u>796</u>	<u>48</u>
<u>1</u>	<u>44</u>	<u>144</u>		<u>853</u>	<u>53</u>
<u>2</u>	<u>5</u>	<u>133</u>		<u>836</u>	<u>50</u>
<u>2</u>	<u>37</u>	<u>128</u>		<u>840</u>	<u>50</u>
<u>3</u>	<u>0</u>	<u>132</u>	<u>1780</u>	<u>832</u>	<u>48</u>

START TEST AT 1:25 P.M. END TEST AT 4:25 P.M.REMARKS: Gas stream dry for 1 hr 12 mins. Started flowing slugs of fluid.TESTED BY T. A. Dugan

OIL CONSERVATION COMMISSION

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