

NEW MEXICO OIL CONSERVATION COMMISSION  
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122  
Revised 12-1-55

Pool <b>TAPACITO</b>		Formation <b>PICTURED CLIFFS</b>			County <b>RIO ARRIBA</b>	
Initial <b>X</b>	Annual	Special		Date of Test <b>AUGUST 12, 1965</b>		
Company <b>NORTHWEST PRODUCTION CORPORATION</b>			Lease <i>Jacinto 117</i> <b>"E"</b>		Well No. <b>6</b>	
Unit <b>0</b>	Sec. <b>33</b>	Twp. <i>26</i> <b>34N</b>	Range <b>3W</b>	Purchaser <b>EL PASO NATURAL GAS CO.</b>		
Casing <b>2-7/8" OD</b>	Wt. <b>6.50</b>	I.D. <b>2.441"</b>	Set at <b>4022</b>	Perf. <b>3950</b>	To <b>3970</b>	
Tubing <b>None</b>	Wt.	I.D.	Set at	Perf.	To	
Gas Pay:	From <b>3946</b>	To <b>3972</b>	L	G <b>Est. .680</b>	GL	Bar. Press.
Producing Through:		Casing <b>X</b>	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual <b>Single</b>		
Date of Completion <b>JUL 30 1965</b>		Packer		Reservoir Temp.		

OBSERVED DATA

Tested Through:		Prover <input type="checkbox"/>	Choke <input checked="" type="checkbox"/>	Meter <input type="checkbox"/>	Type of Taps			
FLOW DATA			TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h <sub>w</sub>	Temp. °F.	Press. psig.		Temp. °F.
SI		<b>3/4" TC</b>				<b>762</b>		<b>SI 7 Days</b>
1.						<b>194</b>	<b>58°F</b>	<b>3 Hrs</b>
2.								
3.								
4.								
5.								

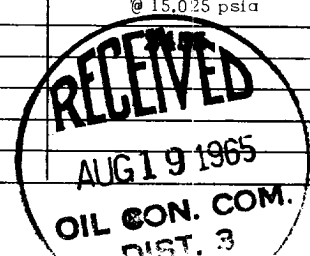
FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F <sub>t</sub>	Gravity Factor F <sub>g</sub>	Compress. Factor F <sub>pv</sub>	Rate of Flow Q-MCF PD @ 15,025 psia
1.	<b>12.3650</b>		<b>206</b>	<b>1.0019</b>	<b>.9393</b>	<b>1.024</b>	
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio \_\_\_\_\_ cf/bbl.      Specific Gravity Separator Gas \_\_\_\_\_  
 Gravity of Liquid Hydrocarbons \_\_\_\_\_ deg.      Specific Gravity Flowing Fluid \_\_\_\_\_  
 F<sub>c</sub> **5.551** (1-e<sup>-S</sup>) **.177**      P<sub>c</sub> **774**      P<sub>c</sub><sup>2</sup> **599.076**

No.	$\frac{P_w}{P_t}$ psia	P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-S</sup> )	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Cal P <sub>w</sub>	$\frac{P_w}{P_c}$
1.									
2.	<b>206 P<sub>t</sub></b>	<b>42.436</b>	<b>13.628</b>	<b>18.306</b>	<b>2307</b>	<b>75,309</b>	<b>523,767</b>	<b>274.4</b>	
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **2752**      MCFPD; n **.85/1.1210**

COMPANY **NORTHWEST PRODUCTION CORPORATION**      WITNESSED \_\_\_\_\_

ADDRESS **P. O. BOX 1796, EL PASO, TEXAS 79949**      COMPANY \_\_\_\_\_

AGENT AND TITLE **C. E. WERNER, WELL TESTER**

DRILLING DEPARTMENT

COMPANY NORTHWEST PRODUCTION CORPORATION

LEASE "E" WELL NO. 6

DATE OF TEST AUGUST 12, 1965

SHUT-IN PRESSURE (PSIG): TUBING \_\_\_\_\_ CASING 762 S. I. PERIOD 7 DAYS

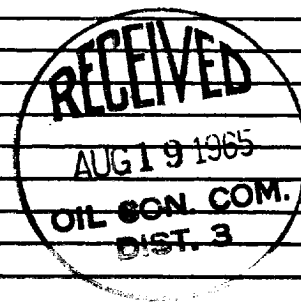
SIZE BLOW NIPPLE 3/4"

FLOW THROUGH CASING WORKING PRESSURES FROM \_\_\_\_\_

TIME		PRESSURE	Q (MCFD) 15.025 PSIA & 60°F	WELLHEAD WORKING PRESSURE (PSIG)	TEMP
HOURS	MINUTES				
<u>10:45</u>	_____	<u>217 psi</u>	_____	_____	<u>58°</u>
<u>11:45</u>	_____	<u>206 psi</u>	_____	_____	<u>58°</u>
<u>12:45</u>	_____	<u>194 psi</u>	_____	_____	<u>58°</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

START AT: 9:45 A.M. END TEST AT: 12:45 P.M.

REMARKS: Dry first 30 minutes, then light spray water throughout test.



TESTED BY: C. E. WERNER

WITNESS: \_\_\_\_\_