

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 76

Form C122-A
 Revised 1-1-66

POOL NAME Elanco	POOL SLOPE n= .75	FORMATION Mesa Verde	COUNTY San Juan
----------------------------	-----------------------------	--------------------------------	---------------------------

86849

COMPANY Northwest Pipeline Corporation			WELL NAME AND NUMBER San Juan 32-7 Unit #2 OWWO		
UNIT LETTER K	SECTION 27	TOWNSHIP 32	RANGE 7	PURCHASING PIPELINE Northwest Pipeline Corp.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6261	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5995
GAS PAY ZONE FROM 5734 TO 6102		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .579	GRAVITY X LENGTH 3471
DATE OF FLOW TEST FROM May 1 TO May 9, 1976			DATE SHUT-IN PRESSURE MEASURED October 20, 1975		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt)	(b) Flowing Tubing Pressure (DWt)	(c) Flowing Meter Pressure (DWt)	(d) Flow Chart Static Reading	(e) Meter Error (Item c - Item d)	(f) Friction Loss (a - c) or (b - c)	(g) Average Meter Pressure (Integr.) 283
(h) Corrected Meter Pressure (g + e) 283	(i) Avg. Wellhead Press. $P_t = (h + f)$ 283	(j) Shut-in Casing Pressure (DWt) 1136	(k) Shut-in Tubing Pressure (DWt) 824	(l) P_c = higher value of (j) or (k) 1136	(m) Del. Pressure $P_d = \frac{80}{100} \% P_c$ 909	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 312	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.000	Corrected Volume Q = 312 MCF/D
---	---	--	--

WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.223 ✓	$(F_c Q_m)^2 (1000)$ 8605	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 1919	P_t^2 80089	$P_w^2 = P_t^2 + R^2$ 82008	$P_w = \sqrt{P_w^2}$ 286 ✓
-------------------------------------	---	--	-----------------------------	---	--

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 312	$\left[\frac{464215}{1208488} \right]^n =$.3841	$\left[\frac{464215}{1208488} \right]^n =$.4879	$=$ 152 ✓ MCF/D
---	--	--	------------------------

REMARKS:

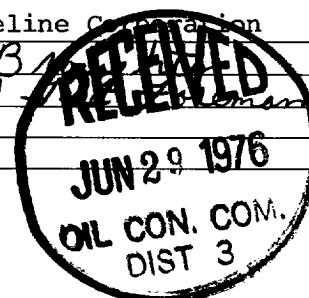
Initial Test
First Delivered 3-30-76



SUMMARY

Item h	283 ✓	Psia
P_c	1136 ✓	Psia
Q	312 ✓	MCF/D
P_w	286 ✓	Psia
P_d	909 ✓	Psia
D	152 ✓	MCF/D

Company **Northwest Pipeline Corporation**
 By **Bobby J. B...**
 Title **Prod. Well ...**
 Witnessed By _____
 Company _____



js

OK