

Initial
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 71

Form C122-A
Revised 1-1-68

WELL NAME Elanco	POOL FLOP W = .75	FORMATION MV	COUNTY Rio Arriba
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70-427

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 30-6 Unit No. 53		
UNIT LETTER M	SECTION 29	TOWNSHIP 30	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6343	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING SEEPER FACT 6262
GAS PAY ZONE FROM 5646 TO 6288		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .632	GRAVITY X LENGTH 3958 ✓
DATE OF FLOW TEST FROM 9-20-71 TO 9-28-71			DATE SHUT-IN PRESSURE MEASURED 8-13-71		

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 410
(h) Corrected Meter Pressure (g-e) 410 ✓	(i) Avg. Wellhead Press. $P_w = (h - f)$ 410	(j) Shut-in Casing Pressure (DWt) 824	(k) Shut-in Tubing Pressure (DWt) 826	(l) P_c = higher value of (j) or (k) 826 ✓	(m) Del. Pressure $P_d = \frac{80}{661} P_c$ 661 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 857	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 857 ✓ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ 0.250 ✓	$(F_c Q_m)^2 (1000)$ 64923	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 16231	P_t^2 168100 ✓	$P_w^2 = P_t^2 + R^2$ 184331	$P_w = \sqrt{P_w^2}$ 429 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 857 ✓	$\left(\frac{245355}{497945} \right)^n = \left(0.4927 \right)^n =$ 0.5881	$=$ 504 ✓ MCF/D
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REMARKS:

OWWO Re 1st Del 9-1-71

SUMMARY

Item h	410 ✓	Psia
P _c	826 ✓	Psia
Q	857 ✓	MCF/D
P _w	429 ✓	Psia
P _d	661 ✓	Psia
D	504 ✓	MCF/D

Company **EL PASO NATURAL GAS COMPANY**

By **A. E. M. [Signature]**

Title **RELEVANT**

Witnessed By

Company

