

Deliver

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION MV	COUNTY RA
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71-519

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER San Juan 28-7 Unit No. 45		
UNIT LETTER L	SECTION 27	TOWNSHIP 28	RANGE 7	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.950	SET AT DEPTH - FEET 5095	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5044
GAS PAY ZONE FROM 1354 TO 5055		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .679	GRAVITY X LENGTH 2956
DATE OF FLOW TEST FROM 8-8-70 TO 8-16-70			DATE SHUT-IN PRESSURE MEASURED 2-15-68		

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.) 397
(h) Corrected Meter Pressure (g+e) 397	(i) Avg. Wellhead Press. $P_t = (h+f)$ 397	(j) Shut-in Casing Pressure (DWt) 702	(k) Shut-in Tubing Pressure (DWt) -	(l) P_c = higher value of (j) or (k) 702	(m) Del. Pressure $P_d = 80\% P_c$ 562	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 285	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q = 285$ MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.193	$(F_c Q_m)^2 (1000)$ Friction Neg.	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$ use P_t^2	$P_w = \sqrt{P_w^2}$ 397
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	285	$\left[\frac{176960}{335195} \right]^n =$	.5279	$=$	.6193	$=$	177 MCF/D
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REMARKS:

Install bottom hole pump June 22, 1970

SUMMARY

Item h 397 Psia
P_c 702 Psia
Q 285 MCF/D
P_w 397 Psia
P_d 562 Psia
D 177 MCF/D

Company EL PASO NATURAL GAS COMPANY

By *A. E. McNally*

Title

Witnessed By

Company

