

WELL DELIVERABILITY TEST REPORT FOR 19

Form C122-A
Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY Rio Arriba
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COMPANY El Paso Natural Gas			WELL NAME AND NUMBER San Juan 28-6 Unit No. 125		
UNIT LETTER H	SECTION 21	TOWNSHIP 28	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7819	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7510
GAS PAY ZONE FROM 7530 TO 7734		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .628	GRAVITY X LENGTH 4716
DATE OF FLOW TEST FROM 4-13-69 TO 4-21-69			DATE SHUT-IN PRESSURE MEASURED 10-10-68		

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)	(f) Friction Loss (a-c) or (b-c)	(g) Average Meter Pressure (Integr.)
				0	0	463
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_1 = (h+f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (i) or (k)	(m) Del. Pressure $P_d = \frac{50}{627} P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
463	463	1254	1254	1254		

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
766	1.0000	1.0000	Q = 766 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.290	51867	15042	214369	229411	479

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 766 \left[\frac{1179387}{1343105} \right]^n = (0.8781)^n = 0.9070 = 695 \text{ MCF/D}$$

REMARKS:

Installed Intermittent 3-6-69

SUMMARY

Item h 463 Psia
 P_c 1254 Psia
 Q 766 MCF/D
 P_w 479 Psia
 P_d 627 Psia
 D 695 MCF/D

Company EL PASO NATURAL GAS COMPANY
 By H. L. Kendrick
 Title Regional Well Test Engineer
 Witnessed By
 Company



