

WELL DELIVERABILITY TEST REPORT FOR 19 69

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 29-6 U. No. 69		
UNIT LETTER A	SECTION 26	TOWNSHIP 29	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.000	SET AT DEPTH - FEET 7798	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7708
GAS PAY ZONE FROM 7672 TO 7775		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .592	GRAVITY X LENGTH 4563 -
DATE OF FLOW TEST FROM 2-25-69 TO 3-5-69			DATE SHUT-IN PRESSURE MEASURED 5-20-68		

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	449
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_t = (h+f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) $P_c =$ higher value of (i) or (k)	(m) Del. Pressure $P_d = \frac{50}{637} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
449	449	1260	1274	1274		

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
190	1.0000	1.0000	Q = 190 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$	$(F_c Q_m)^2 (1000)$	$R^2 = \frac{(1-e^{-s}) (F_c Q_m)^2 (1000)}{P_t^2}$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.282	3190	900	201601	202501	450

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 190 \left[\frac{1217307}{1420575} \right]^n = (.8569)^n = \frac{.8926}{.8906} = 170 \text{ MCF/D}$$

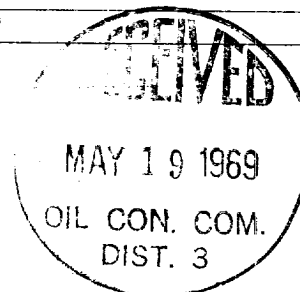
REMARKS: Installed Intermittent 2-6-69

CORRECTED COPY

SUMMARY

Item h	449	Psia
P_c	1274	Psia
Q	190	MCF/D
P_w	450	Psia
P_d	637	Psia
D	170	MCF/D

Company EL PASO NATURAL GAS COMPANY
 By H. E. McAnally
 Title Well Test Engineer
 Witnessed By _____
 Company _____



del