

Deliver

WELL DELIVERABILITY TEST REPORT FOR 1969

Form C122-A Revised 1-1-63

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY San Juan
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70-955

COMPANY El Paso Natural Gas Co.		WELL NAME AND NUMBER Allison Unit No. 9			
UNIT LETTER G	SECTION 13	TOWNSHIP 32	RANGE 7	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 7.000	CASING I.D. - INCHES 6.276	SET AT DEPTH - FEET 7857	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7917
GAS PAY ZONE FROM 7857 TO 7920		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.609	GRAVITY X LENGTH 4821
DATE OF FLOW TEST FROM 6/24/69 TO 7/02/69			DATE SHUT-IN PRESSURE MEASURED 5/26/69		

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.) 456
(h) Corrected Meter Pressure (g+e) 456	(i) Avg. Wellhead Press. P <sub>f</sub> = (h+f) 456	(j) Shut-in Casing Pressure (DWt) 1210 <del>1198</del>	(k) Shut-in Tubing Pressure (DWt) 1199 1187	(l) P <sub>c</sub> = higher value of (j) or (k) 1210 <del>1198</del>	(m) Def. Pressure P <sub>d</sub> = $\frac{50}{599} \times P_c$ 665	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 572	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 572 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$ .296	$(F_c Q_m)^2 (1000)$ 28923	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ 8561	$P_i^2$ 207936	$P_w^2 = P_i^2 + R^2$ 216497	$P_w = \sqrt{P_w^2}$ 465
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DELIVERABILITY CALCULATION

$D = Q \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	572	$\left( \frac{1098075}{1076103} \right)^n =$	$\left( \frac{0.9992}{0.9992} \right)^n =$	$\frac{411}{0.9109} =$	<del>521</del> MCF/D 520
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REMARKS: Installed Intermittent - Turned back on production 5-28-69

SUMMARY

Item h	456	Psia
P <sub>c</sub>	1210	Psia
Q	572	MCF/D
P <sub>w</sub>	465	Psia
P <sub>d</sub>	665	Psia
D	520	MCF/D

Company EL PASO NATURAL GAS CO;  
 By R.E. Stauffer R. E. Stauffer  
 Title Well Test Engineer  
 Witnessed By \_\_\_\_\_  
 Company \_\_\_\_\_



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