

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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86-590

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER San Juan 27-4 Unit No. 53		
UNIT LETTER B	SECTION 30	TOWNSHIP 27	RANGE 4	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.012	SET AT DEPTH - FEET 8256	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7986
GAS PAY ZONE FROM 7999 TO 8213		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY 0.678	GRAVITY X LENGTH 5415
DATE OF FLOW TEST FROM 1-30-69 TO 2-07-69			DATE SHUT-IN PRESSURE MEASURED 10-24-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 443	(b) Flowing Tubing Pressure (DWt) 443	(c) Flowing Meter Pressure (DWt) 2558	(d) Flow Chart Static Reading 2557	(e) Meter Error (Item c - Item d) 2558	(f) Friction Loss (a-c) or (b-c) 1279	(g) Average Meter Pressure (Integr.) 443
(h) Corrected Meter Pressure (g+e) 443	(i) Avg. Wellhead Press. $P_i = (h+f)$ 443	(j) Shut-in Casing Pressure (DWt) 2558	(k) Shut-in Tubing Pressure (DWt) 2557	(l) P_c = higher value of (j) or (k) 2558	(m) Del. Pressure $P_d = 50\% P_c$ 1279	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 419	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 419 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$ 0.325	$(F_c Q_m)^2 (1000)$ 15519	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ 5044	P_i^2 196249	$P_w^2 = P_i^2 + R^2$ 201293	$P_w = \sqrt{P_w^2}$ 449
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 419$	$\left[\frac{4907523}{6342071} \right]^n = 0.7738$	0.8249	346 MCF/D
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REMARKS:

New well first delivered 12-24-68

SUMMARY

Item h 443 Psia
 P_c 2558 Psia
 Q 419 MCF/D
 P_w 449 Psia
 P_d 1279 Psia
 D 346 MCF/D

Company _____
 By *[Signature]*
 Title _____
 Witnessed By _____
 Company _____



