

POOL NAME Basin	POOL SLOPE n = 75	FORMATION Dakota	COUNTY San Juan
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75423

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Farmington A No. 1		
UNIT LETTER P	SECTION 1	TOWNSHIP 29	RANGE 13	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4500	CASING I.D. - INCHES 4052	SET AT DEPTH - FEET 6061	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1995	TOP - TUBING PERF. - FEET 5987
GAS PAY ZONE FROM 5863 TO 5978		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .673	GRAVITY X LENGTH 4029 ✓
DATE OF FLOW TEST FROM 10-05-66 TO 10-13-66			DATE SHUT-IN PRESSURE MEASURED 3-30-66		

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.) 469
(h) Corrected Meter Pressure (g + e) 469	(i) Avg. Wellhead Press. $P_t = (h + f)$ 469	(j) Shut-in Casing Pressure (DWt) 1989	(k) Shut-in Tubing Pressure (DWt) 1468	(l) P_c = higher value of (j) or (k) 1989	(m) Del. Pressure $P_d = \underline{50} \% P_c$ 995	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1070	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 1070 ✓ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.254 ✓	$(F_c Q_m)^2 (1000)$ 101204 ✓	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 25706 ✓	P_t^2 219961 ✓	$P_w^2 = P_t^2 + R^2$ 245667 ✓	$P_w = \sqrt{P_w^2}$ 496 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1070	$\left[\frac{2966096}{3710454} \right]^n =$.7993	$\left[\frac{2966096}{3710454} \right]^n =$.8452	$=$ 904 ✓ MCF/D
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REMARKS:

New Well First Delivered

9-13-66

SUMMARY

Item h 469 Psia
 P_c 1989 Psia
 Q 1070 MCF/D
 P_w 496 Psia
 P_d 995 Psia
 D 904 MCF/D

Company El Paso Natural Gas Company
 By H. L. Kendrick H. L. Kendrick
 Title Regional Well Test Engineer
 Witnessed By _____
 Company _____



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