

Delivered by 1969

WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY San Juan
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75-919

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Day "B" No. 3		
UNIT LETTER A	SECTION 7	TOWNSHIP 27	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.012	SET AT DEPTH - FEET 6967	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6777
GAS PAY ZONE FROM 6785 TO 6935		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .676	GRAVITY X LENGTH 4581
DATE OF FLOW TEST FROM 1-14-69 TO 1-22-69			DATE SHUT-IN PRESSURE MEASURED 11-12-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 490	(b) Flowing Tubing Pressure (DWt) 490	(c) Flowing Meter Pressure (DWt) 1976	(d) Flow Chart Static Reading 2009	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 490
(h) Corrected Meter Pressure (g+e) 490	(i) Avg. Wellhead Press. $P_i = (h+f)$ 490	(j) Shut-in Casing Pressure (DWt) 1976	(k) Shut-in Tubing Pressure (DWt) 2009	(l) P_c = higher value of (i) or (k) 2009	(m) Del. Pressure $P_d = \frac{50}{1005} P_c$ 50	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 757	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 757 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.283	$(F_c Q_m)^2 (1000)$ 50652	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 14335	P_i^2 240100	$P_w^2 = P_i^2 + R^2$ 254435	$P_w = \sqrt{P_w^2}$ 504
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	757	$\left(\frac{3026056}{3781646} \right)^n =$	.8001	$= \frac{.8459}{.8001} =$	640 MCF/D
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REMARKS:

New well first delivered 12-17-68

SUMMARY

Item h	490	Psia
P_c	2009	Psia
Q	757	MCF/D
P_w	504	Psia
P_d	1005	Psia
D	640	MCF/D

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

