

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 66

Form C122-A
 Revised 1-1-66

POOL NAME Basin	POOL SLOPE n= 75	FORMATION Dakota	COUNTY Rio Arriba
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COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 28-6 Unit No. 120		
UNIT LETTER I	SECTION 9	TOWNSHIP 28	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.000	SET AT DEPTH - FEET 7829	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7762
GAS PAY ZONE FROM 7632 TO 7782		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .602	GRAVITY X LENGTH 4673
DATE OF FLOW TEST FROM 6-06-66 TO 6-14-66			DATE SHUT-IN PRESSURE MEASURED 4-20-66		

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.) 504
(h) Corrected Meter Pressure (g + e) 504	(i) Avg. Wellhead Press. $P_t = (h + f)$ 504	(j) Shut-in Casing Pressure (DWt) 2699	(k) Shut-in Tubing Pressure (DWt) 2655	(l) P_c = higher value of (j) or (k) 2699	(m) Del. Pressure $P_d = 50\% P_c$ 1350	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 660	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 660 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.288	$(F_c Q_m)^2 (1000)$ 38.502	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 11089	P_t^2 254016	$P_w^2 = P_t^2 + R^2$ 265105	$P_w = \sqrt{P_w^2}$ 515
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 660 \left[\frac{5462101}{7019496} \right]^n = .7781 = .8285 = 547 \text{ MCF/D}$

REMARKS:

New Well.

First Delivered 5-19-66.

SUMMARY

Item h	504	Psia
P_c	2699	Psia
Q	660	MCF/D
P_w	515	Psia
P_d	1350	Psia
D	547	MCF/D

Company El Paso Natural Gas Company
 By [Signature]
 Title Regional Gas Well Test Engineer
 Witnessed By _____
 Company _____

