

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 67

Form C122-A
 Revised 1-1-66

POOL NAME Basin	POOL-SLOPE n = .75	FORMATION Dakota	COUNTY Rio Arriba
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86549

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 29-6 Unit No. 80		
UNIT LETTER H	SECTION 24	TOWNSHIP 29	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 8130	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 8058
GAS PAY ZONE FROM 8018 TO 8088		WELL PRODUCING THRU CASING _____ TUBING X		GAS GRAVITY .601	GRAVITY X LENGTH 4843
DATE OF FLOW TEST FROM 1-4-67 TO 1-12-67			DATE SHUT-IN PRESSURE MEASURED 7-20-66		

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.) 512
(h) Corrected Meter Pressure (g + e) 512	(i) Avg. Wellhead Press. $P_t = (h + f)$ 512	(j) Shut-in Casing Pressure (DWt) 2469	(k) Shut-in Tubing Pressure (DWt) 2469	(l) $P_c =$ higher value of (j) or (k) 2469	(m) Del. Pressure $P_d = \frac{50}{1235} \% P_c$ 1235	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 431	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 431 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.297	$(F_c Q_m)^2 (1000)$ 16419	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 4876	P_t^2 262144	$P_w^2 = P_t^2 + R^2$ 267020	$P_w = \sqrt{P_w^2}$ 517
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 431	$\left[\frac{4570736}{5828941} \right]^n =$.7841	$\left[\frac{.7841}{.8333} \right]^n =$.8333	359 MCF/D
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REMARKS:

New Well First Delivered 11-23-66.

SUMMARY

Item h	512	Psia
P_c	2469	Psia
Q	431	MCF/D
P_w	517	Psia
P_d	1235	Psia
D	359	MCF/D

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



national call

attempts

ST.

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