

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1967

Form O122-A
Revised 1-1-66

POOL NAME Basin	WELL SLOPE m = .75	FORMATION Bakota	COUNTY San Juan
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COMPANY El Paso Natural Gas Company		WELL NAME AND NUMBER 75631			
UNIT LETTER F	SECTION 23	TOWNSHIP 26	RANGE 10	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6.00	FLOWING O.D. - INCHES 4.475	TUBING I.D. - INCHES 3.275	TOP - TUBING PERF. - FEET 6608
GAS PAY ZONE FROM 6650 TO 6810		GAS GRAVITY .670		GRAVITY X LENGTH High	
DATE OF FLOW TEST FROM 7-11-67 TO 7-12-67			DATE SHUT-IN PRESSURE MEASURED 6-7-67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWI)	(b) Flowing Tubing Pressure (DWI)	(c) Flowing Meter Pressure (DWI)	(d) Flow Chart Static Reading	(e) Meter Error (Item c - Item d)	(f) Friction Loss (a - c) or (b - e)	(g) Average Meter Pressure (Integr.)
						443
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_h = (h + f)$	(j) Shut-in Casing Pressure (DWI)	(k) Shut-in Tubing Pressure (DWI)	(l) P_s = higher value of (j) or (k)	(m) Del. Pressure $P_d = 50 \text{ } \% P_s$	(n) Separator or Dehydrator Pr. (DWI) for critical flow only
443	443	1011	100	1029	515	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1470	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume 1470 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.279	$(P_s Q_m)^2 (1000)$ 10000	$R^2 - (1 - e^{-s}) (P_s Q_m)^2 (1000)$ 2795	P_t^2 1000	$P_w^2 = P_t^2 + R^2$ 2895	$P_w = \sqrt{P_w^2}$ 500
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 1470$	$\left[\frac{250016}{305677} \right]^n = .802$	$.802^n = .655$	1255 MCF/D
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REMARKS:

New Well First Delivered 6-27-67

SUMMARY

Item h 443 Psia
P_c 1029 Psia
Q 1470 MCF/D
P_w 500 Psia
P_d 515 Psia
D 1255 MCF/D

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

