NEW MEXICO OIL CONSERVATION COMMISSION

INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 67

Form C122-A
Revised 1-1-66

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Blanco	n= .75	Mesa Verde	San Juan

70987

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Company			Scott No. 7		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
B	3	31	10	El Paso Natural Gas Company	
CASING O.D. – INCHES	CASING I.D. – INCHES	SET AT DEPTH – FEET	TUBING O.D. – INCHES	TUBING I.D. – INCHES	TOP – TUBING PERF. – FEET
7.000	6.366	4532	2.375	1.995	5142
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 4532 TO 5210		CASING	TUBING X	660	3594
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 8-13-67 TO 8-21-67			8-10-66		

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.)
						463

(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. P_t = (h + f)	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure P_d = 80 %P_c	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
463	463	830	821	830	664	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume – MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
500	1.0000	1.0000	Q = 500 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-s})(F_c Q_m)^2(1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.219	22099	4840	214369	219209	468

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 500 \left[\left(\frac{248064}{469991}\right)^n = (.5280)^n = .6195\right] = 310 \text{ MCF/D}$$

REMARKS:

First Delivered after OWWO 7-5-67.

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SUMMARY

Item h	463	Psia
P_c	830	Psia
Q	500	MCF/D
P_w	468	Psia
P_d	664	Psia
D	310	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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