NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 71

Form C122-A
Revised 1-1-68

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Basin	n = .75	DK	RA

86-651

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Company			San Juan 29-6 Unit No. 82		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
A	25	29	6	EPNG	
CASING O.D. - INCHES	CASING I.D. - INCHES	SET AT DEPTH - FEET	TUBING O.D. - INCHES	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
4.500	4.052	8048	1.900	1.610	8028
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 7896 TO 8038		CASING	TUBING XXX	.582	4672
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 7-18-71 TO 7-26-71			4-6-71		

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.)
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(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 = 50 %P_c**	**(n) Separator or Dehydrator Pr. (DWt) for critical flow only**
395	395	2689	2262	2689	1345	

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
1026	1.0000	1.0000	Q = 1026 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.288	285203	82139	156025	238164	488

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 1026 \left[\left(\frac{5421696}{6992557}\right)^n = (.7753)^n = .8262\right] = 848 \text{ MCF/D}$$

REMARKS:

Well first delivered June 17, 1971.

SUMMARY

Item h	395	Psia
P_c	2689	Psia
Q	1026	MCF/D
P_w	488	Psia
P_d	1345	Psia
D	848	MCF/D

Company EL PASO NATURAL GAS COMPANY
By D. E. McAnally
Title
Witnessed By
Company

RECEIVED
AUG 16 1971
OIL CON. COM.
DIST. 3