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
Blanco	n = .75	MV	SJ

70-462

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Company			Vandewart "A" No. 6		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
A	24	29	8	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	6090	2.375	1.995	6005
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 5266 TO 6046		CASING	TUBING XXX	.679	4077
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURES		
FROM 8-6-71 TO 8-14-71			6-10-71		

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 = 80 %P_c**	**(n) Separator or Dehydrator Pr. (DWt) for critical flow only**
397	397	869	867	869	695	

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
1453	1.0000	1.0000	Q = 1453 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.257	186626	47963	157609	205572	453

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 1453 \left[\left(\frac{272136}{549589}\right)^n = (.4952)^n = .5903\right] = 858 \text{ MCF/D}$$

REMARKS:

OWWO, Re-1st-del. 7-16-71.

SUMMARY

Item h	397	Psia
P_c	869	Psia
Q	1453	MCF/D
P_w	453	Psia
P_d	695	Psia
D	858	MCF/D

Company EL PASO NATURAL GAS COMPANY

By W. E. McAnally

Title

Witnessed By

Company

RECEIVED
AUG 8 1971
OIL CON. COM.