NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-65

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Otero	n = .75	CH	RA

87164

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Co.			Klein No. 15		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
G	33	26	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
2.875	2.441	3960	-	-	-
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 3774 TO 3890		CASING xx TUBING		.652	2461
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 7-26-70 TO 8-3-70			5-11-70		

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.)
-	-	-	-	-	-	436

(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	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
436	436	863	-	863	P_d = 80 or $\frac{1}{8}P_c$ = 690	

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
271	1.0000	1.0000	Q = 271 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.164	Friction Neg. use Pt2				436

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 271 \left[\left(\frac{268669}{554673}\right)^n = \left(.4844\right)^{.75} = .5807\right] = 157 \text{ MCF/D}$$

REMARKS:

New Well, 1st del. July 2, 1970.

SUMMARY OK

Item h	436	Psia
P_c	863	Psia
Q	271	MCF/D
P_w	436	Psia
P_d	690	Psia
D	157	MCF/D

Company EL PASO NATURAL GAS COMPANY
By R. R. Reudisch
Title
Witnessed By
Company

RECEIVED
AUG 20 1970
OIL CON. COM.
DIST. 3