

Int.
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
Revised 1-1-68

POOL NAME	POOL SLOPE	FORMATION	COUNTY
So. Blanco	n = .85	Pictured Cliff	San Juan

75-722

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Tapp No. 5		
UNIT LETTER 0	SECTION 15	TOWNSHIP 28	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2969	TUBING O.D. - INCHES None	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2844 TO 2902		WELL PRODUCING THRU CASING TUBING		GAS GRAVITY .658	GRAVITY X LENGTH 1871
DATE OF FLOW TEST FROM 2-10-68 TO 2-18-68			DATE SHUT-IN PRESSURE MEASURED 9-28-67		

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.) 504
(h) Corrected Meter Pressure (g+e) 504	(i) Avg. Wellhead Press. $P_f = (h+f)$ 504	(j) Shut-in Casing Pressure (DWt) 1044	(k) Shut-in Tubing Pressure (DWt) —	(l) P_c = higher value of (j) or (k) 1044	(m) Del. Pressure $P_d = \frac{80}{835} P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 470	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q = 470$ MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.127	$(F_c Q_m)^2 (1000)$ 6807	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 864	P_t^2 254016	$P_w^2 = P_t^2 + R^2$ 254880	$P_w = \sqrt{P_w^2}$ 505
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DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 470 \left[\frac{392711}{835056} \right]^n = (.4702)^n = .5270 = 248 \text{ MCF/D}$$

REMARKS: 1st Delivery Date January 11, 1968.

CORRECTED COPY
SUMMARY

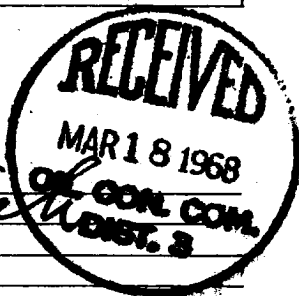
Item h 504 ✓ Psia
P_c 1044 ✓ Psia
Q 470 ✓ MCF/D
P_w 505 ✓ Psia
P_d 835 ✓ Psia
D 248 ✓ MCF/D

Company

Title

Witnessed By

Company



OK



Initial
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
Revised 1-1-68

POOL NAME	POOL SLOPE	FORMATION	COUNTY
So. Blanco	n = .85	Pictured Cliffs	San Juan

75-722

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Company			Tapp No. 5		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
0	15	28	8	El Paso Natural Gas	
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	2969	None		
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 2844	TO 2902	CASING	TUBING	.658	1871
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM			TO		

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.)
—	—	—	—	—	—	504
(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 (i) or (k)	(m) Del. Pressure $P_d = \frac{80}{835} P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
504	504	1044	—	1044		

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
470	1.0000	1.0000	Q = 470 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.127	6807	864	254016	254880	505

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$	470	$\left[\frac{392711}{835056} \right]^n$	$\left[.4702 \right]^n$	$\frac{5266}{.5270}$	248 MCF/D
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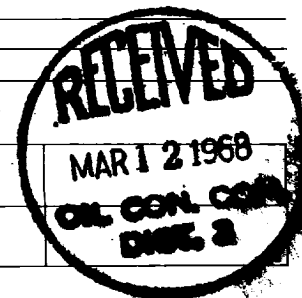
REMARKS:

1st Delivery Date January 11, 1968.

SUMMARY

Item h 504 Psia
P_c 1044 Psia
Q 470 MCF/D
P_w 505 Psia
P_d 835 Psia
D 248 MCF/D

Company *Dr. Heurich*
By *Dr. Heurich*
Title
Witnessed By
Company



257-55

1. *Phragmites*

FLOW RATE CORRECTION (METER ERROR)

WORKING PRESSURE CALCULATION

DELIVERABILITY CALCULATION

and Delivery Date January 11, 1968.

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