Delivers.

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 1969

Form C122-A
Revised 1-1-68

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Basin	n = .75	Dakota	San Juan

75-968

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas			Huerfano Unit No. 184		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
P	11	26	10	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
4.500	4.052	6895	2.375	1.995	6813
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 6774 TO 6847		CASING	TUBING XX	.681	4640
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 5-5-69 TO 5-13-69			3-12-69		

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.)
				0	0	443
(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**
443	443	1971	1961	1971	P_d = 50 / 986 P_c	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of Item c / Item d	$\sqrt{\text{Item c / Item d}}$	Corrected Volume
388	1.0000	1.0000	Q = 388 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.286	13308	3806	196249	200055	447

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 388 \left[\left(\frac{2912645}{3684786}\right)^n = (0.7904)^n = 0.8382\right] = 325 \text{ MCF/D}$$

REMARKS:

New well first delivered 4-1-69

0.10

SUMMARY

Item h	443	Psia
P_c	1971	Psia
Q	388	MCF/D
P_w	447	Psia
P_d	986	Psia
D	325	MCF/D

Company EL PASO NATURAL GAS COMPANY

By H. L. Kendrick

Title Regional Well Test Engineer

Witnessed By

Company

RECEIVED
MAY 23 1969
OIL CON. COM.
DIST. 3