Initial Deliverability

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 = .85	PC	San Juan

87-255

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Company			Case No. 12		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
M	5	31	11	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	2988	no tubing		
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 2858 TO 2894		CASING XXX TUBING		.658	1881
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 7-19-71 TO 7-27-71			4-14-71		

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.)
---	---	---	---	0	0	383
(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**
383	383	922	---	922	P_d= 80 %P_c 738	

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
210	1.0000	1.0000	Q = 210 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
Friction	Neg.			use Pt^2	383

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 210 \left[\left(\frac{305440}{703395}\right)^n = \left(.4342\right)^n = .4921\right] = 103 \text{ MCF/D}$$

REMARKS:

Well first delivered June 25, 1971

SUMMARY

Item h	383	Psia
P_c	922	Psia
Q	210	MCF/D
P_w	383	Psia
P_d	738	Psia
D	103	MCF/D

Company EL PASO NATURAL GAS COMPANY
By H. E. McGinally
Title
Witnessed By
Company

RECEIVED
AUG 20 19
OIL CON. COM.
DIST. 3