Deliverab.

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

87-120

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas			Canyon Largo Unit No. 152		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
O	1	25	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	3914	no tubing		
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 3758 TO 3826		CASING xx TUBING		.728	2736
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 1-31-70 TO 2-8-70			11-24-69		

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 (integ.)
-	-	-	-	0	0	212
(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. DAT for critical flow only**
212	212	869	-	869	P_d = 80 %P_c = 695	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of Item c / Item d	$\sqrt{\text{Item c / Item d}}$	Corrected Volume
413	1.0000	1.0000	Q = 413 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.180	5256	946	44944	45890	214

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 413\left[\left(\frac{272136}{709271}\right)^n = (.3836)^n = .4875\right] = 201 \text{ MCF/D}$$

REMARKS:

New Well 1st del. 1-9-70.

SUMMARY

Item h	212	Psia
P_c	869	Psia
Q	413	MCF/D
P_w	214	Psia
P_d	695	Psia
D	201	MCF/D

Company El Paso Natural Gas Co.
By [signature]
Title
Witnessed By
Company

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FEB 18 1970
OIL CON. COM.
DIST. 3