

Initial
Deliverability Test

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
Blanco	n = .75	Mesa Verde	San Juan

70074

COMPANY		WELL NAME AND NUMBER			
El Paso Natural Gas Company		Feuille No. 1			
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
H	13	29	9	El Paso Natural Gas Company	
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	5439	2.375	1.995	5354
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 4651	TO 5386	CASING TUBING X		.685	3667
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 6-24-68 TO 7-2-68			4-24-68		

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.)
						490
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_i = (h+f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{80}{655} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
490	490	819	556	819		

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
1885	1.0000	1.0000	Q = 1885 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_i^2	$P_w^2 = P_i^2 + R^2$	$P_w = \sqrt{P_w^2}$
.234	314105	73501	240100	313601	560

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	$\left(\frac{241736}{357160} \right)^n =$	$(.6768)^n =$	$.7464$	$= 1407$ MCF/D
--	--	---------------	---------	----------------

REMARKS: OWWO First Delivered 5-31-68.

SUMMARY

Item h	490	Psia
P _c	819	Psia
Q	1885	MCF/D
P _w	560	Psia
P _d	655	Psia
D	1407	MCF/D

Company El Paso Natural Gas Company

By H. L. Kendrick

Title Regional Well Test Engineer

Witnessed By

Company

RECEIVED

JUL 31 1968

OIL CON. COM. DIST. 3