

POOL NAME	POOL SLOPE	FORMATION	COUNTY
BASIN	n = .75	DAKOTA	RA

75-751

COMPANY			WELL NAME AND NUMBER		
EL PASO NATURAL GAS CO.			SJ 29-7 UNIT #101		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
B	7	29	7	EL PASO NATURAL GAS CO.	
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	4.032	7548	2.375	1.995	7260
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 7288 TO 7515		CASING TUBING X		0.678	4922
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 04/07/68 TO 04/15/68			01/19/68		

(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	0	0	0	0	504
(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 = 50 % P _c	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
504	504	2676	2672	2676	1338	

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
563	1.0000	1.0000	Q = 563 MCF/D

$(1 - e^{-s})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.301	28,016	8433	254016	262449	512

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{563}{\left[\frac{5370732}{6898527} \right]^n} = \frac{563}{(0.7785)^n} = \frac{563}{0.8288} = 467 \text{ MCF/D}$$

REMARKS: New Well First Delivered 3-7-68.

SUMMARY

Item h 504 Psia

P_c 2676 Psia

Q 563 MCF/D

P_w 512 Psia

P_d 1338 Psia

D 467 MCF/D

Company EL PASO NATURAL GAS CO

By *J.B. Grant*

Title

Witnessed By

Company

RECEIVED

MAY 7 1968

OIL CON. COM.

DIST. 3

100-1-3



100-1-3