

POOL NAME BRANCO	POOL SLOPE n = .75	FORMATION MV	COUNTY SJ
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70-087

COMPANY EL PASO NATURAL GAS CO.			WELL NAME AND NUMBER DAY A #1		
UNIT LETTER A	SECTION 17	TOWNSHIP 29	RANGE 8	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5590	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5517
GAS PAY ZONE FROM 4730 TO 5490		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.700	GRAVITY X LENGTH 3862
DATE OF FLOW TEST FROM 04/29/68 TO 05/07/68			DATE SHUT-IN PRESSURE MEASURED 03/19/68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 0	(b) Flowing Tubing Pressure (DWt) 0	(c) Flowing Meter Pressure (DWt) 0	(d) Flow Chart Static Reading 0	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 476
(h) Corrected Meter Pressure (g+e) 476	(i) Avg. Wellhead Press. P _w = (h+f) 476	(j) Shut-in Casing Pressure (DWt) 640	(k) Shut-in Tubing Pressure (DWt) 637	(l) P _c = higher value of (j) or (k) 640	(m) Del. Pressure P _d = 80 %P _c 512	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 658	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 658 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.245	$(F_c Q_m)^2 (1000)$ 38,279	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 9378	P_t^2 226576	$P_w^2 = P_t^2 + R^2$ 235954	$P_w = \sqrt{P_w^2}$ 486
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DELIVERABILITY CALCULATION

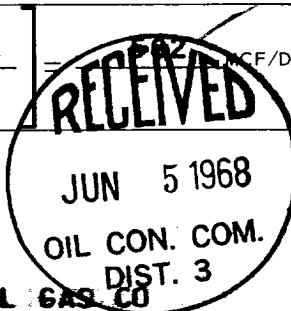
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 658$	$\left(\frac{147456}{173646} \right)^n = 0.8491$	0.8845	MCF/D
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REMARKS:
Installed Intermittent 4-8-68.

SUMMARY

Item h	476	Psia
P _c	640	Psia
Q	658	MCF/D
P _w	486	Psia
P _d	512	Psia
D	582	MCF/D

Company EL PASO NATURAL GAS CO.
By J.B. Grant
Title
Witnessed By
Company



PLANO 1934-35

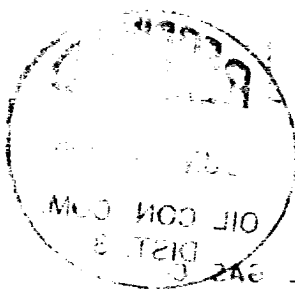
EL PASO NATURAL GAS CO DAY A #1

A	IT	2A	8	EL PASO NATURAL GAS CO
4.000	4.000	2.500	2.500	1.000
4.000	4.000	2.500	2.500	1.000
4.000	4.000	2.500	2.500	1.000

10	20	30	40	50	60	70	80	90	100
4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

143840 143840 0.8441 0.8441



4.000
4.000
4.000
4.000
4.000
4.000