

POOL NAME Blanco	POOL SLOPE $n = .75$	FORMATION Mesa Verde	COUNTY San Juan
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75735

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Allison Unit No. 28		
UNIT LETTER M	SECTION 14	TOWNSHIP 32	RANGE 7	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6275	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6077
GAS PAY ZONE FROM 6013 TO 6082		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .584	GRAVITY X LENGTH 3549
DATE OF FLOW TEST FROM 2/22/68 TO 3/1/68			DATE SHUT-IN PRESSURE MEASURED 10/12/67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 498	(b) Flowing Tubing Pressure (DWt) 498	(c) Flowing Meter Pressure (DWt) 1076	(d) Flow Chart Static Reading 1060	(e) Meter Error (Item c - Item d) 1076	(f) Friction Loss (a-c) or (b-c) 861	(g) Average Meter Pressure (Integr.) 498
(h) Corrected Meter Pressure (g+e) 498	(i) Avg. Wellhead Press. $P_t = (h+f)$ 498	(j) Shut-in Casing Pressure (DWt) 1076	(k) Shut-in Tubing Pressure (DWt) 1060	(l) P_c = higher value of (i) or (k) 1076	(m) Del. Pressure $P_d = 80\% P_c$ 861	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1590	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q = 1590$ MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.227	$(F_c Q_m)^2 (1000)$ 223473	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 50728	P_t^2 248004	$P_w^2 = P_t^2 + R^2$ 298732	$P_w = \sqrt{P_w^2}$ 547
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 1590$	$\left[\frac{416455}{859044} \right]^n = .4847$	$.5815$ MCF/D
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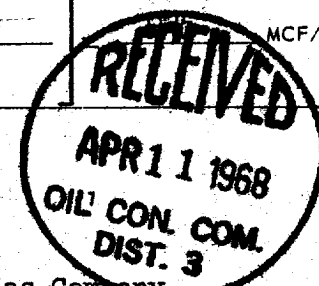
REMARKS:

New Well First Delivered 2-5-68.

SUMMARY

Item h	498	Psia
P_c	1076	Psia
Q	1590	MCF/D
P_w	547	Psia
P_d	861	Psia
D	925	MCF/D

Company **El Paso Natural Gas Company**
 By **Tom B. Grant**
 Title **Gas Engineer**
 Witnessed By _____
 Company _____



OK

