

Deliverable

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-68

POOL NAME Fulcher-Kutz	POOL SLOPE n = .85	FORMATION PC	COUNTY SJ
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70-870

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Denman No. 1		
UNIT LETTER E	SECTION 20	TOWNSHIP 27	RANGE 9	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2386	TUBING O.D. - INCHES None	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2237 TO 2268		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .674	GRAVITY X LENGTH 1508
DATE OF FLOW TEST FROM 1-6-70 TO 1-14-70			DATE SHUT-IN PRESSURE MEASURED 12-9-69		

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 (Integr.)
-	-	-	-	0	0	148
(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 (i) or (k)	(m) Del. Pressure $P_d = \frac{80}{270} P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
148	148	338	-	338	270	

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
52	1.0000	1.0000	Q = 52 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-3})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-3}) (F_c Q_m)^2 (1000)$	P_i^2	$P_w^2 = P_i^2 + R^2$	$P_w = \sqrt{P_w^2}$
Friction Neg.				Use P_i^2	148

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	52	$\left(\frac{41344}{92340} \right)^n =$	$(.4477)^n =$	.5051	= 26 MCF/D
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REMARKS:

OWWO 1st del. 12-12-69.

SUMMARY

Item h	148	Psia
P_c	338	Psia
Q	52	MCF/D
P_w	148	Psia
P_d	270	Psia
D	26	MCF/D

Company **El Paso Natural Gas Co.**By *[Signature]*

Title

Witnessed By

Company

