

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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74-031

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Pipkin No. 3		
UNIT LETTER A	SECTION 17	TOWNSHIP 27	RANGE 10	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 1967	TUBING O.D. - INCHES no tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY .649	GRAVITY X LENGTH 1180
FROM 1818	TO 1854	CASING XX	TUBING	DATE SHUT-IN PRESSURE MEASURED	
DATE OF FLOW TEST FROM 1-30-70 TO 2-7-70			DATE SHUT-IN PRESSURE MEASURED 1-7-70		

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (integr.) 120
(h) Corrected Meter Pressure (g+e) 120	(i) Avg. Wellhead Press. $P_t = (h+f)$ 120	(j) Shut-in Casing Pressure (DWt) 481	(k) Shut-in Tubing Pressure (DWt) -	(l) P_c = higher value of (j) or (k) 481	(m) Del. Pressure $P_d = \frac{80}{385} \% P$ 385	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 143	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 143 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$ Friction Neg.	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$ Use P_t^2	$P_w = \sqrt{P_w^2}$ 120
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 143	$\left[\frac{83136}{216961} \right]^n =$.3831	$=$.4424	$=$ 63 MCF/D
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REMARKS:

OWWO 1st del. 1-16-70

SUMMARY

Item h **120** Psia
 P_c **481** Psia
 Q **143** MCF/D
 P_w **120** Psia
 P_d **385** Psia
 D **63** MCF/D

Company **EL PASO NATURAL GAS COMPANY**By **A. E. McLaughlin**

Title

Witnessed By

Company



