

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 76

Form CI22-A
 Revised 1-1-66

POOL NAME Fulcher Kutz	POOL SLOPE n = .85	FORMATION Pictured Cliffs	COUNTY San Juan
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2259-06

COMPANY AMOCO PRODUCTION COMPANY			WELL NAME AND NUMBER R. P. Hargrave "G" No. 1		
UNIT LETTER E	SECTION 3	TOWNSHIP 27	RANGE 10	PURCHASING PIPELINE Southern Union Gathering Co.	
CASING O.D. - INCHES 3.500	CASING I.D. - INCHES 2.992	SET AT DEPTH - FEET 2082	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 2050
GAS PAY ZONE FROM 2014 TO 2135		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .620	GRAVITY X LENGTH 1271
DATE OF FLOW TEST FROM 4-9-76 TO 4-17-76			DATE SHUT-IN PRESSURE MEASURED 4-25-76		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 179	(b) Flowing Tubing Pressure (DWt) 162	(c) Flowing Meter Pressure (DWt) 159	(d) Flow Chart Static Reading 160	(e) Meter Error (Item c - Item d) -1	(f) Friction Loss (a - c) or (b - c) 3	(g) Average Meter Pressure (Integr.) 162
(h) Corrected Meter Pressure (g + e) 161	(i) Avg. Wellhead Press. $P_t = (h + f)$ 164	(j) Shut-in Casing Pressure (DWt) 212	(k) Shut-in Tubing Pressure (DWt) 212	(l) P_c = higher value of (j) or (k) 212	(m) Del. Pressure $P_d = \frac{80}{170} \% P_c$ 170	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 316	Quotient of $\frac{\text{Item c}}{\text{Item d}}$.9938	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$.9969	Corrected Volume Q = 315 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.088	$(F_c Q_m)^2 (1000)$ 60,145	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 5293	P_t^2 26,896	$P_w^2 = P_t^2 + R^2$ 32,189	$P_w = \sqrt{P_w^2}$ 179
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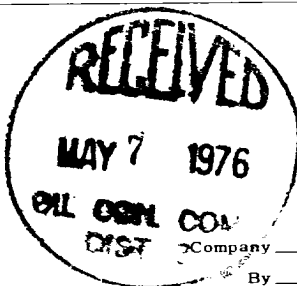
DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 315	$\left[\frac{16,044}{12,755} \right]^n = \frac{1.2579}{1.2153} =$ 383 MCF/D
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REMARKS:

SUMMARY

Item h **161** Psia
 P_c **212** Psia
 Q **315** MCF/D
 P_w **179** Psia
 P_d **170** Psia
 D **383** MCF/D



Company **AMOCO PRODUCTION COMPANY**
 By **[Signature]**
 Title **Area Engineer**
 Witnessed By _____
 Company _____