

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 75

Form C122-A
 Revised 1-1-66

POOL NAME West Kutz	POOL SLOPE n= 0.85	FORMATION Pictured Cliffs	COUNTY San Juan
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COMPANY Gulf Oil Corporation			WELL NAME AND NUMBER Fullerton Federal #2		
UNIT LETTER G	SECTION 15	TOWNSHIP 27N	RANGE 11W	PURCHASING PIPELINE Southern Union Gas Co.	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 5.012	SET AT DEPTH - FEET 2055	TUBING O.D. - INCHES 1.315	TUBING I.D. - INCHES 1.049	TOP - TUBING PERF. - FEET 2117
GAS PAY ZONE FROM 2051 TO 2133		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .610	GRAVITY X LENGTH
DATE OF FLOW TEST FROM 7-17-75 TO 7-25-75			DATE SHUT-IN PRESSURE MEASURED 7-25-75 to 8-1-75		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWT) 142	(b) Flowing Tubing Pressure (DWT) 128	(c) Flowing Meter Pressure (DWT) 125	(d) Flow Chart Static Reading 128	(e) Meter Error (Item c - Item d) 3	(f) Friction Loss (a - c) or (b - c) 3	(g) Average Meter Pressure (Integr.) 128
(h) Corrected Meter Pressure (g + e) 125	(i) Avg. Wellhead Press. $P_t = (h + f)$ 128	(j) Shut-in Casing Pressure (DWT) 201	(k) Shut-in Tubing Pressure (DWT) 199	(l) $P_c =$ higher value of (j) or (k) 201	(m) Del. Pressure $P_d = \frac{80}{161} \% P_c$	(n) Separator or Dehydrator Pr. (DWT) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 32	Quotient of $\frac{\text{Item c}}{\text{Item d}} = \frac{125}{128}$.9766	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$.9882	Corrected Volume Q = 31.62 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-5})$	$(F_c Q_m)^2 (1000)$ Friction Negligible	$R^2 = (1 - e^{-5}) (F_c Q_m)^2 (1000)$	P_t^2 16384	$P_w^2 = P_t^2 + R^2$ Use P_t^2	$P_w = \sqrt{P_w^2}$
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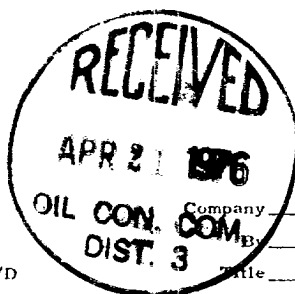
DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 31.62 \left[\left(\frac{14480}{24017} \right)^n \left(\frac{.6029}{.6504} \right)^n \right] = 20.6$ MCF/D
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REMARKS:

SUMMARY

Item h 12 Psia
 P_c 201 Psia
 Q 31.62 MCF/D
 P_w 128 Psia
 P_d 161 Psia
 D 20.6 MCF/D



Company Gulf Oil Corporation
D. V. Berlin
 Title Area Engineer

Witnessed By _____

Company _____