

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
------------------------	-----------------------	------------------------------	--------------------

COMPANY Gulf Oil Corporation			WELL NAME AND NUMBER Fullerton Federal #3		
UNIT LETTER L.	SECTION 14	TOWNSHIP 27N	RANGE 11W	PURCHASING PIPELINE Southern Union Gas Co.	
CASING O.D. - INCHES 5.50	CASING I.D. - INCHES 5.012	SET AT DEPTH - FEET 2060	TUBING O.D. - INCHES 1.315	TUBING I.D. - INCHES 1.049	TOP - TUBING PERF. - FEET 2125
GAS PAY ZONE FROM 2055 TO 2145		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY .655	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)	(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.)
126	133	126	123	3	0	123
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_t = (h + f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{80}{209} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
126	126	261	257	261		

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 27	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ $\frac{126}{123}$ 1.0244	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0121	Corrected Volume $Q = 27.3$ MCF/D
---------------------------------	--	--	--------------------------------------

WORKING PRESSURE CALCULATION

$(1 - e^{-s})$	$(F_c Q_m)^2 (1000)$ Friction Negligible	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2 15876	$P_w^2 = P_t^2 + R^2$ Use P_t^2	$P_w = \sqrt{P_w^2}$
----------------	---	---	------------------	--------------------------------------	----------------------

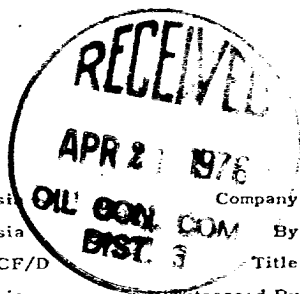
DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 27.3$	$\left[\frac{24440}{52245} \right]^n = .4678$	$\left[\frac{24440}{52245} \right]^n = .5243$	14.3 MCF/D
---	--	--	--------------

REMARKS:

SUMMARY

Item h	261	Psia
P_c	261	Psia
Q	27.3	MCF/D
P_w	126	Psia
P_d	209	Psia
D	14.3	MCF/D



Gulf Oil Corporation

By D.T. Berlin
 Title Area Engineer

Witnessed By _____

Company _____