

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 1975

Form 122-A
Revised 1-1-66

POOL NAME <u>West 1st</u>	POOL SLOPE n = <u>0.95</u>	FORMATION <u>Permian</u>	COUNTY <u>Lea</u>
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COMPANY <u>Gulf Oil Corporation</u>			WELL NAME AND NUMBER <u>Wadit Pool #1</u>		
UNIT LETTER <u>1</u>	SECTION <u>36</u>	TOWNSHIP <u>10N</u>	RANGE <u>11E</u>	PURCHASING PIPELINE <u>Permian Union Pipeline Co.</u>	
CASING O.D. - INCHES <u>3.500</u>	CASING I.D. - INCHES <u>2.750</u>	SET AT DEPTH - FEET <u>2500</u>	TUBING O.D. - INCHES <u>2.375</u>	TUBING I.D. - INCHES <u>2.000</u>	TOP - TUBING PER - FEET <u>2500</u>
GAS PAY ZONE FROM <u>1855</u> TO <u>215</u>		WELL PRODUCING THRU CASING <u>1</u> TUBING <u>1</u>		GAS GRAVITY <u>0.6</u>	GRAVITY X LENGTH
DATE OF FLOW TEST FROM <u>7-11-75</u> TO <u>7-25-75</u>			DATE SHUT-IN PRESSURE MEASURED <u>7-2-75 to 7-1-75</u>		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) <u>131</u>	(b) Flowing Tubing Pressure (DWt)	(c) Flowing Meter Pressure (DWt) <u>131</u>	(d) Flow Chart Static Reading <u>131</u>	(e) Meter Error (Item c - Item d) <u>0</u>	(f) Friction Loss (a - c) or (b - c)	(g) Average Meter Pressure (Integr.)
(h) Corrected Meter Pressure (g + e) <u>131</u>	(i) Avg. Wellhead Press. $P_t = (h + f)$	(j) Shut-in Casing Pressure (DWt) <u>200</u>	(k) Shut-in Tubing Pressure (DWt) <u>210</u>	(l) $P_c =$ higher value of (j) or (k) <u>200</u>	(m) Del. Pressure $P_d =$ _____ % P_c	(n) Separator or Dehydrator Press. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D <u>100</u>	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ <u>1.000</u>	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ <u>1.000</u>	Corrected Volume Q = <u>100</u> MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-5})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1 - e^{-5}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_t^2 + R^2}$
	Relation Negligible		<u>1700</u>		

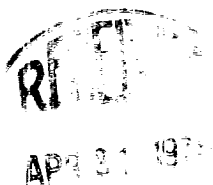
DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	$\left[\frac{131^2 - 210^2}{131^2 - 200^2} \right]^n =$	$\left[\frac{131^2 - 210^2}{131^2 - 200^2} \right]^n =$	$\left[\frac{131^2 - 210^2}{131^2 - 200^2} \right]^n =$	<u>6.5</u> MCF/D
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REMARKS:

SUMMARY

Item h _____ Psia
 P_c _____ Psia
 Q _____ MCF/D
 P_w _____ Psia
 P_d _____ Psia
 D _____ MCF/D



GULF OIL COMPANY
 By D. F. Berlin
 Title _____
 Witnessed By _____
 Company _____