

STATE OF KANSAS - CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM O-2
8-7-58
9.21.89

15-005-20050-0000

TYPE TEST: Deliverability Open Flow **TEST DATE:** _____

COMPANY: OLYMPIC PETROLEUM COMPANY **LEASE:** C. C. CHILDRESS **WELL NO.:** 1

COUNTY: Atchison **LOCATION:** S $\frac{1}{2}$ SW $\frac{1}{4}$ **SECTION:** 2 **TWP:** 7S **RNG:** 18E **ACRES:** 80

FIELD: Wehking **RESERVOIR:** Upper & Lower McLouth **PIPELINE CONNECTION:** Atchison Pipeline Co.

COMPLETION DATE: 12-1-87 **PLUG BACK TOTAL DEPTH:** 1763' **PACKER SET AT:** -

CASINO SIZE	WT.	I.D.	SET AT	PERF.	TO
4 $\frac{1}{2}$ " OD	9.5#		1803'	1694-1702"	1738-1750'
TUBING SIZE	WT.	I.D.	SET AT	PERF.	TO
2 3/8" OD	4.7#		1692'		

TYPE COMPLETION (Describe): Single Gas **TYPE FLUID PRODUCTION:** None

PRODUCING THRU: Tubing **RESERVOIR TEMPERATURE F:** 86° F DST **BAR. PRESS - P_a:** 14.4 Psia

GAS GRAVITY - G_g: .597 **% CARBON DIOXIDE:** 0.26 **% NITROGEN:** 7.14 **API GRAVITY OF LIQUID:** -

VERTICAL DEPTH (H): 1723 **TYPE METER CONN.:** Flange **(METER RUN) (PROVER) SIZE:** 2.067

SHUT-IN PRESSURE: SHUT IN: 9-9 19 89 AT 7:30 AM (PM) TAKEN 9-12 19 89 AT 9:15 AM (PM)

FLOW TEST: STARTED: 9-12 19 89 AT 9:30 AM (PM) TAKEN 9-15 19 89 AT 7:00 AM (PM)

OBSERVED DATA DURATION OF SHUT-IN _____ HR.

SHUT-IN OR FLOW	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFF. in. (h _w)(h _d)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASINO WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _i)(P _c) psia	psig	(P _w)(P _i)(P _c) psia		
SHUT-IN						338.3	352.7	338.3	352.7	73 3/4	
FLOW	1.000	265.6	3	47		287.0	301.4	286.0	300.4	69 1/2	0

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _b)(F _d) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m \times h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP. F _L	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
5.073	280	28.98	1.2942	1.0127	1.023	197		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 124.397 ; (P_w)² = 90.842 ; P_d² = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_w)² = 0.207 ; (P_d)² = _____

$\frac{(P_c)^2 - (P_w)^2}{(P_c)^2 - (P_w)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$	LOG []	"n"	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
124.190	33.555	3.701	0.5683	1.000	0.5683	3.701	729

OPEN FLOW Mcfd @ 14.65 psia **DELIVERABILITY** Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Executed this the 19th day of September, 1989

[Signature]
Witness (if any)
For Commission

RECEIVED
SEP 21 1989

CONSERVATION DIVISION
Wichita, Kansas

[Signature]
For Company
Checked by _____