

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

FORM O-3
8-7-58

D
P
5-23-89

15-103-21045-0000

TYPE TEST: Deliverability Open Flow **TEST DATE:** April 20, 1989

COMPANY: Fairway Petroleum, Inc. **LEASE:** Stuckey **WELL NO.:** 2-2

COUNTY: Leavenworth **LOCATION:** NW NW SW **SECTION:** 29 **TWP:** 9S **RNG:** 23E **ACRES:** 40

FIELD: McLouth **RESERVOIR:** McLouth **PIPELINE CONNECTION:** None

COMPLETION DATE: 3/4/89 **PLUG BACK TOTAL DEPTH:** 1141' **PACKER SET AT:** _____

CASING SIZE	WT.	I.D.	SET AT	PERF.	TO
4 1/2"		4 1/2"	1141	1052	1054

TUBING SIZE	WT.	I.D.	SET AT	PERF.	TO

TYPE COMPLETION (Describe): Perforation **TYPE FLUID PRODUCTION:** None

PRODUCING THRU: 4 1/2" Casing **RESERVOIR TEMPERATURE F:** 72° **BAR. PRESS - P_a:** 14.4 Psia

GAS GRAVITY - G_g: 0.593 **% CARBON DIOXIDE:** 0 **% NITROGEN:** 1.85 **API GRAVITY OF LIQUID:** _____

VERTICAL DEPTH (H): 1141 **TYPE METER CONN.:** None **(METER RUN)(PROVER) SIZE:** 2"

SHUT-IN PRESSURE: SHUT IN April 12, 1989 AT _____ (AM)(PM) TAKEN _____ 19 AT _____ (AM)(PM)

FLOW TEST: STARTED April 18, 1989 19 AT _____ (AM)(PM) TAKEN _____ 19 AT _____ (AM)(PM)

OBSERVED DATA **DURATION OF SHUT-IN** 2 Weeks **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	CASING 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						391	405.4			2 Weeks	
FLOW	.50	314	--	72	72	314	328.4			1	

RATE OF FLOW CALCULATIONS

COEFFICIENT (P _w)(P _i)(P _c) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m h_w}$	GRAVITY FACTOR P _g	FLOWING TEMP. F _L	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	RECEIVED CORPORATION COMMISSION MAY 22 1989
4.388	328.4	--	1.299	0.9887	1.027	1900	

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

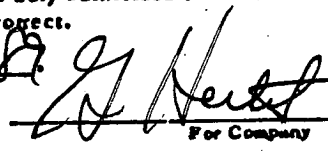
(P_c)² = 164.3 ; (P_w)² = 107.9 ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_w)² = 0.207 ; (P_d)² = _____

$\frac{(P_w)^2 - (P_d)^2}{(P_c)^2 - (P_d)^2}$	$\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}$	LOG []	"n"	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
56.4			0.85			5424

OPEN FLOW 5424 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 20 day of April, 1989


 For Company

Witness (if any) _____

Checked by _____