

15-103-21021-00-00  
**STATE OF KANSAS - CORPORATION COMMISSION**

FORM O-2  
 8-7-58

8  
 99  
 5-2389

**ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST**

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

**COMPANY:** Fairway Petroleum, Inc. **LEASE:** Visocsy **WELL NO.:** 3

**COUNTY:** Leavenworth **LOCATION:** SE SW SW **SECTION:** 12 **TWP:** 8S **RNG:** 21E. **ACRES:** 40

**FIELD:** McLouth **PIPELINE CONNECTION:** LAGGS INC.

**COMPLETION DATE:** 8/14/88 **PLUG BACK TOTAL DEPTH:** 1335 **PACKER SET AT:**

**CASINO SIZE:** WT. I.D. 4 1/2" **SET AT:** 1335 **PERF.:** 1267 **TO:** 1274

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

**TYPE COMPLETION (Describe):** Perforation **TYPE FLUID PRODUCTION:** oil

**PRODUCING THRU:** 4 1/2" Casing **RESERVOIR TEMPERATURE F:** 76° **BAR. PRESS - P<sub>a</sub>:** 14.4 Psia

**GAS GRAVITY - G<sub>g</sub>:** 0.5766 **% CARBON DIOXIDE:** 0 **% NITROGEN:** 3.93 **API GRAVITY OF LIQUID:** 23.8

**VERTICAL DEPTH (H):** 1335 **TYPE WTRR CONN.:** Flange **(METER RUN)(PROVER) SIZE:** 2"

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

**FLOW TEST:** STARTED April 20, 1989 19 AT (AM)(PM) TAKEN 19 AT (AM)(PM)

**OBSERVED DATA**

**DURATION OF SHUT-IN:** 24 HR.

SHUT-IN OR FLOW	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFF. in. (h <sub>w</sub> )(h <sub>d</sub> )	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASINO WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P <sub>w</sub> )(P <sub>i</sub> )(X P <sub>c</sub> ) psia	psig	(P <sub>w</sub> )(P <sub>i</sub> )(X P <sub>c</sub> ) psia		
SHUT-IN						147	161.4			24	
(1) FLOW	.50	61	--	76	76	61	75.4			1	

(1) Because of oil quantities, RATE OF FLOW CALCULATIONS well was tested into an injection truck, not through a meter.

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COEFFICIENT (P <sub>w</sub> )(P <sub>i</sub> ) / Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m h_w}$	GRAVITY FACTOR P <sub>g</sub>	FLOWING TEMP. FACTOR F <sub>L</sub>	DEVIATION FACTOR F <sub>pv</sub>	RATE OF FLOW R Mcfd	DATE
(1) 4.388	75.4	--	1.3169	0.984	1.0107	433.3	MAY 22 1989

**(OPEN FLOW) (DELIVERABILITY) CALCULATIONS**

(P<sub>e</sub>)<sup>2</sup> = 26.0 ; (P<sub>w</sub>)<sup>2</sup> = 5.7 ; P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ ; (P<sub>e</sub>)<sup>2</sup> = 0.207 ; (P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

$\frac{(P_e)^2 - (P_w)^2}{(P_e)^2 - (P_d)^2}$	$(P_e)^2 - (P_w)^2$	$\frac{P_e^2 - P_w^2}{P_e^2 - P_w^2}$	LOG [ ]	"n"	n x LOG [ ]	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R = ANTILOG Mcfd
	20.3			0.85			543.9

**OPEN FLOW** 543.9 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 this report is true and correct.

Executed this the 20 day of April, 1989

*[Signature]*  
 For Company

Witness (if any)

Checked by