

STATE OF KANSAS - CORPORATION COMMISSION

FORM G-3
8-7-58

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

TYPE TEST: Deliverability Open Flow TEST DATE: April 12, 1990

COMPANY: Fairway Petroleum, Inc. LEASE: Beursken WELL NO.: 2

COUNTY: Leavenworth LOCATION: SW SE SE SECTION: 17 TWP: 8S RNG: 22E ACRES: 38

FIELD: RESERVOIR: Burgess PIPELINE CONNECTION: LAGGS, INC.

COMPLETION DATE: 2/12/85 PLUG BACK TOTAL DEPTH: 1375 PACKER SET AT:

CASINO SIZE: WT. LD. SET AT PERF. TO
4 1/2" 1375 1342 1346

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

TYPE COMPLETION (Describe): Perforations TYPE FLUID PRODUCTION: Water

PRODUCING THRU: 4 1/2" Casing RESERVOIR TEMPERATURE F: 74 BAR. PRESS - P_a: 14.4 Psia

GAS GRAVITY - G_g: 0.5920 % CARBON DIOXIDE: 0 % NITROGEN: 7.82 API GRAVITY OF LIQUID:

VERTICAL DEPTH (H): 1375 TYPE WTR CONN.: Flange (METER RUN)(PROVER) SIZE: 2"

SHUT-IN PRESSURE: SHUT IN April 3, 1990 19 AT (AM)(PM) TAKEN 19 AT (AM)(PM)

FLOW TEST: STARTED April 6, 1990 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 _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						237	251.4(1)			24	
FLOW	.75	41	23(2)	74	74	172(2)	186.4			1	

(1) Well temporarily shut-in RATE OF FLOW CALCULATIONS (2) Rate fluctuated dramatically with water.

COEFFICIENT (P _b)(P _d) / (P _c) ² - (P _w) ²	(METER) (PROVER) PRESSURE psia	EXTENSION √P _m h _w	GRAVITY FACTOR F _g	FLOWING TEMP. F _L	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
2.779	55.4	35.7	1.2997	0.9862	1.0025	127.5		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 63.2 (P_w)² = 34.7 P_d = % (P_c - 14.4) + 14.4 = (P_a)² = 0.207 (P_d)² =

(P _c) ² - (P _w) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	$\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	LOG []	"n"	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
	28.5			0.85			277.1

OPEN FLOW 277.1 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 this report is true and correct.

Executed this the 12 day of May, 1990.

STATE OF KANSAS

Witness (if any)

May 29, 1990

Geoffrey W. Hester
For Company

Checked by