

15-103-20318-00-00
STATE OF KANSAS - CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-3
8-7-58

0
19
5-23-89

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

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

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

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

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

CASING SIZE: WT. L.D. SET AT PERF. TO
4 1/2" 1375 1342 1346

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

TYPE COMPLETION (Describe): Perforation **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 METER 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:** 2 months

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						250	264.4 ⁽¹⁾			2 months	
FLOW	.75	39	30 (2)	74	74	212(2)	226.4			24	

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

COEFFICIENT (F _p)(F _g) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	COR. COEFF.
2.779	53.4	40.0	1.2997	0.9862	1.0025	143	1.00

RECEIVED
 STATE CORPORATION COMMISSION
 MAY 22 1989


(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 69.9 (P_w)² = 51.3 P_d = _____ % (P_c - 14.4) + 14.4 = _____ (P_w)² = 0.207 (P_d)² = _____

$\frac{(P_c)^2 - (P_w)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2}$	LOG []	"n"	n = LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
	18.6			0.85			527

OPEN FLOW 527 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

September 1985

29
12-2-85

BEURSKEN #2

Operator-- Fairway Petroleum, Inc.
Operator License Number-- 6871
Operator Address-- 12603 Southwest Freeway, #370, Stafford, TX 77477
Operator Phone Number-- (713) 240-1555
Lease-- BEURSKEN
Location-- SE SE 17
Township-- 8 S
Range-- 22 E
County-- Leavenworth
Gas Purchaser-- LAGGS (LLJV)
Gas BTU's-- 939.0

INITIAL OPEN FLOW CALCULATION

Flowing Pressure on Prover (psi)-- 174.0
Orifice Size (1 inch) and Coefficient-- 406.7
Specific Gravity-- .5920
Temperature of Gas (+459.69F)-- 534.69
Open Flow (MCF/D) 3,978.0
One-Quarter of Open Flow (MCF/D)-- 994.5
Adjusted State Allowable (MCF/D)-- 994.5

Shut-in Press. 476.0

CURRENT OPEN FLOW CALCULATION

Flowing Pressure on Prover (psi)-- 151.0
Orifice Size (1 inch) and Coefficient-- 406.7
Specific Gravity-- .5920
Temperature of Gas (+459.69F)-- 534.69
Open Flow (MCF/D)-- 3,452.0
One-Quarter of Open Flow (MCF/D)-- 863.0
Adjusted State Allowable (MCF/D)-- 863.0
Current Production Rate (MCF/D)-- 205.0

Shut-in Press. 243.0

TESTER--Larry Culbertson--LAGGS, INC.--913-773-8514
COMMENTS--