

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.: 1

COUNTY: Leavenworth LOCATION: SW SW SE SECTION: 17 TWP: 8S RNG: 22E ACRES: 37

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

COMPLETION DATE: 2/10/85 PLUG BACK TOTAL DEPTH: 1281 PACKER SET AT: _____

CASING SIZE: WT. L.D. SET AT PERF. TO
 4 1/2" 1281 1222-1224 & 1234-1237

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

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

PRODUCING THRU: 4 1/2" Casing RESERVOIR TEMPERATURE F: 75 BAR. PRESS - P_a: 14.4 Psia

GAS GRAVITY - G_g: 0.5905 % CARBON DIOXIDE: 0 % NITROGEN: 7.75 API GRAVITY OF LIQUID: _____

VERTICAL DEPTH (H): 1281 TYPE METER 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	CASING WELLHEAD PRESS		TUBING WELLHEAD PRESS		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _t)(P _c) psia	psig	(P _w)(P _t)(P _c) psia		
SHUT-IN						154	168.4			24	
FLOW	.50	62	17(1)	75	75	119(1)	133.4			1	

Rate fluctuated dramatically with fluid. RATE OF FLOW CALCULATIONS

COEFFICIENT (P _b) ² (P _d) ² / Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION √P _m h _w	GRAVITY FACTOR P _g	FLOWING TEMP. FACTOR P _L	DEVIATION FACTOR P _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
1.219	76.4	36.0	1.3013	0.9852	1.0061	56.6		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 28.3 (P_w)² = 17.8 P_d = _____ % (P_c - 14.4) + 14.4 = _____ (P_a)² = 0.207 (P_d)² = _____

(P _c) ² - (P _a) ² / (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	[P _c ² - P _a ² / 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
	10.5			0.85			149.5

OPEN FLOW 149.5 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 his report is true and correct.

Executed this the 12 day of May, 1990

[Signature]
 For Company

Witness (if any)

CONSERVATION DIVISION
 Wichita, Kansas

Checked by