STATE OF KANSAS – CORPORATION COMMISSION

FORM C-2
8-7-58

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

15-103-20224-0000

TYPE TEST: ☐ Deliverability ☒ Open Flow TEST DATE: June 17, 1988

COMPANY	LEASE	WELL NO.
Fairway Petroleum, Inc.	WILKES	2

COUNTY	LOCATION	SECTION	TWP	RNG	ACRES
Leavenworth	NW N SW	25	7S	21E	240

FIELD	RESERVOIR	PIPELINE CONNECTION
	McLouth	LAGGS, Inc.

COMPLETION DATE	PLUG BACK TOTAL DEPTH	PACKER SET AT
9/13/83	1511'	

CASING SIZE	WT.	I.D.	SET AT	PERF.	TO
	9.5	4 1/2"	1511'	1404-1411	

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

TYPE COMPLETION (Describe)	TYPE FLUID PRODUCTION	
Perforation	Oil & Water	

PRODUCING THRU	RESERVOIR TEMPERATURE F	BAR. PRESS – P_a
4 1/2" casing	78°	14.4 Psia

GAS GRAVITY – G_g	% CARBON DIOXIDE	% NITROGEN	API GRAVITY OF LIQUID
.5810	.02	5.10	19.9

VERTICAL DEPTH (H)	TYPE METER CONN.	(METER RUN) (PROVER) SIZE
1511	Barton	2"

RECEIVED
STATE CORPORATION COMMISSION
SEP 12 1988
CONSERVATION DIVISION
Wichita, Kansas

SHUT-IN PRESSURE: SHUT IN August 19 86 AT ____ (AM)(PM) TAKEN June 17 19 88 AT 9 (AM)(PM)

FLOW TEST: STARTED ____ 19 ____ AT 9 (AM)(PM) TAKEN June 17 19 88 AT 10 (AM)(PM)

DURATION OF SHUT-IN 2 years HR.

OBSERVED DATA

SHUT-IN OR FLOW	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFF. in. (h_w X h_d)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASING WELLHEAD PRESS. psig	CASING WELLHEAD PRESS. (P_w)(P_tXP_c) psia	TUBING WELLHEAD PRESS. psig	TUBING WELLHEAD PRESS. (P_w)(P_tXP_c) psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT-IN						130.0	144.4				
FLOW	0.50	109.0	-	78	-	109.0	123.4				

RATE OF FLOW CALCULATIONS

COEFFICIENT (F_b) (F_p) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m x h_w}$	GRAVITY FACTOR F_g	FLOWING TEMP. FACTOR F_t	DEVIATION FACTOR F_{pv}	RATE OF FLOW R Mcfd	GOR	G_m
4.388	123.4	-	1.3119	0.9825	1.0066	704		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$= ____ ____ ; $(P_w)^2$= ____ ; P_d= ____ % $(P_c - 14.4) + 14.4$ = ____ ; $(P_d)^2$= ____ ____ $(P_d)^2 = 0.207$

$(P_c)^2-(P_a)^2$ or $(P_c)^2-(P_d)^2$	$(P_c)^2-(P_w)^2$	$\frac{P_c^2-P_a^2}{P_c^2-P_d^2}$	LOG [ ]	"n"	n x LOG [ ]	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
CALCULATED BY IBM COMPUTER				0.85			2130

OPEN FLOW 2130 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 24 day of June, 1988.

John Hurst
For Company

L. Culbertson
Checked by

Witness (If any)

For Commission