15-103-20406-00-00

STATE OF KANSAS – CORPORATION COMMISSION

FORM C-2
8-7-58

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

TYPE TEST: ☐ Deliverability ☒ Open Flow TEST DATE: July 11, 1988

COMPANY	LEASE	WELL NO.
Fairway Petroleum, Inc.	Trujillo	1

COUNTY	LOCATION	SECTION	TWP	RNG	ACRES
Leavenworth	NW SW SE	12	8S	21E	70.13

FIELD	RESERVOIR	PIPELINE CONNECTION
	McLouth	LAGGS, Inc.

COMPLETION DATE	PLUG BACK TOTAL DEPTH	PACKER SET AT
12/18/85	1332'	

CASING SIZE	WT.	I.D.	SET AT	PERF.	TO
		4 1/2"	1332'	1235-1245	

TUBING SIZE	WT.	I.D.	SET AT	PERF.	TO
		2 3/8"	1268		

TYPE COMPLETION (Describe)	TYPE FLUID PRODUCTION	
Perforation	Oil	

PRODUCING THRU	RESERVOIR TEMPERATURE F	BAR. PRESS – P_a
2 3/8" tubing	77°	14.4 Psia

GAS GRAVITY – Q_g	% CARBON DIOXIDE	% NITROGEN	API GRAVITY OF LIQUID
.5957	0	6.95	23.1

VERTICAL DEPTH (H)	TYPE METER CONN.	(METER RUN) (PROVER) SIZE
1332	Barton	2"

SHUT-IN PRESSURE: SHUT IN July 10 19 88 AT 6 (AM)(PM) TAKEN July 11 19 88 AT 11:30 (AM)(PM)

FLOW TEST: STARTED 11:30 (AM)(PM) TAKEN July 11 19 88 AT 11:45 (AM)(PM)

DURATION OF SHUT-IN 17.5 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 WELL-HEAD PRESS. psig	CASING WELL-HEAD PRESS. (P_w X P_t X P_c) psia	TUBING WELL-HEAD PRESS. psig	TUBING WELL-HEAD PRESS. (P_w) (P_t X P_c) psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT-IN						134.0	148.4'				
FLOW	1.00	50.0	-	76.7		50.0	64.4				

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	Q_m
17.53	64.4	-	1.3003	.9862	1.002	1457		

(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				.85			1727

OPEN FLOW 1727 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 21st day of July, 19 88.

_____
Witness (if any)

_____
For Commission

_____
For Company

Checked by