

STATE OF KANSAS - CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
8-7-58

TYPE TEST: Deliverability Open Flow TEST DATE: 2-5-83

COMPANY: Centennial LEASE: Nemacheek WELL NO.: 1-3

COUNTY: Sherman LOCATION: NW 3 SECTION: 8 TWP: 39 RNG: 39 ACRES: 39

FIELD: Niobarara RESERVOIR: Niobarara PIPELINE CONNECTION: Half Breed

COMPLETION DATE: _____ PLUG BACK TOTAL DEPTH: _____ PACKER SET AT: _____

CASING SIZE: _____ WT. _____ I.D. _____ SET AT _____ PERF. _____ TO _____

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

TYPE COMPLETION (Describe): Single gas TYPE FLUID PRODUCTION: _____

PRODUCING THRU: Casing RESERVOIR TEMPERATURE F: _____ BAR. PRESS - P_a: 14.4 Psia

GAS GRAVITY - G_g: 0.785 % CARBON DIOXIDE: _____ % NITROGEN: _____ API GRAVITY OF LIQUID: _____

VERTICAL DEPTH (H): _____ TYPE METER CONN.: flg. (METER RUN) (PROVER) SIZE: 2"

SHUT-IN PRESSURE: SHUT IN 2-5-83 19 AT _____ (AM)(PM) TAKEN 2-8 1983 AT _____ (AM)(PM)

FLOW TEST: STARTED 2-8-83 19 AT _____ (AM)(PM) TAKEN 2-9 1983 AT _____ (AM)(PM)

OBSERVED DATA

DURATION OF SHUT-IN _____ 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	CASED WELL-HEAD PRESS.		TUBING WELL-HEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _i)(P _c) psia	psig	(P _w)(P _i)(P _c) psia		
SHUT-IN						26.2	40.6				
FLOW	5168	13.6	10.0			13.8	28.2				

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _c)(F _d) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m \times h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
1.225	28.0	16.733	1.307	1.000	1.000	27.0		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 1.65; (P_w)² = .795; P_d² = _____ % (P_c - 14.4) + 14.4 = _____; (P_a)² = 0.207; (P_d)² = _____

$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	LOG []	"n"	"n" x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
1.45	.855	1.6959	.2294	718*	.1647	1.4612	39

OPEN FLOW 39 Mcfd @ 14.65 psia DELIVERABILITY

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 _____ day of _____, 1983.

* ASSUMED "n"

Witness (if any)
Alfred [Signature]
For Commission

STATE CORPORATION COMMISSION
RECEIVED
FEB 2 1983
CONSERVATION DIVISION
Wichita, Kansas
For Company _____
Checked by _____