

STATE OF KANSAS - CORPORATION COMMISSION

FORM G-2
8-7-58

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Water 0

TYPE TEST: Deliverability Open Flow TEST DATE: 6-14-82

COMPANY: Centennial Energy LEASE: Loulance WELL NO.: 2-5

COUNTY: Sherman LOCATION: NW 4 SECTION: 5 TWP: 8 RNG: 38 ACRES:

FIELD: Goodland Gas RESERVOIR: Hopkins PIPELINE CONNECTION: Kans Tub Nat Gas

COMPLETION DATE: 12-1-78 PLUG BACK TOTAL DEPTH: 948 PACKER SET AT:

CASING SIZE: 4 1/2 WT.: I.D.: SET AT: 872 PERF.: TO: Open hole

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: .588 % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

VERTICAL DEPTH (H): TYPE METER CONN.: (METER RUN) (METER) SIZE:

SHUT-IN PRESSURE: SHUT IN: 6-14 1982 AT (AM)(PM) TAKEN: 4-17-82 AT (AM)(PM)
FLOW TEST: STARTED: 6-18 1982 AT (AM)(PM) TAKEN: 6-19-82 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	CASINO 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						34.8	49.2				
FLOW	413	9.4	4.0			9.7	24.1				

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
.8280	23.8	9.7570	1.304	1.000	1.000	10.5		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 2.42 ; (P_w)² = .58 ; P_d = _____ % (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
2.22	1.84	1.2065	.0815	.718	.0585	1.1443	12

OPEN FLOW 12 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 _____ day of _____, 1982.

Witness (if any)
[Signature]
For Commission

STATE RECEIVED
CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

STATE RECEIVED
CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas
JUL 1 1982
Checked by

* assumed slope