

STATE OF KANSAS - CORPORATION COMMISSION
 ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

15-181-20041-0000
 FORM G-2
 8-7-58

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

COMPANY: Centennial Energy LEASE: Lovellace WELL NO.: 1-5

COUNTY: Sherman LOCATION: nw⁴ 5 TWP: 8 RNG: 38 ACRES:

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

COMPLETION DATE: 12-11-78 PLUG BACK TOTAL DEPTH: 930 PACKER SET AT:

CASING SIZE: 4 1/2 WT.: I.D.: SET AT: 915 PERF.: 888 TO: 922

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: .600 % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

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

SHUT-IN PRESSURE: SHUT IN 6-14 1982 AT 8:50 (AM)(PM) TAKEN 6-17 1982 AT (AM)(PM)
 FLOW TEST: STARTED 6-18 1982 AT 8:20 (AM)(PM) TAKEN 6-19 1982 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						30.7	45.1				
FLOW	.517	12.1	11.0			12.5	26.9				

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
1.296	26.5	17.073	1.291	1.000	1.000	28.6		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 2.03 (P_w)² = .72 ; 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
1.83	1.31	1.3969	.1452	.718	1.042	1.2713	36

OPEN FLOW 36 Mcfd @ 14.65 psia DELIVERABILITY 36 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)
Alvin Wiley
 For Commission

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

* assumed slope