

15-181-20097-00-00
 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: Nemecheck WELL NO.: 1-3

COUNTY: Sherman LOCATION: NW 4 SECTION: 3 TWP: 8 RNG: 39 ACRES:

FIELD: Goodland Gas. RESERVOIR: Neobara PIPELINE CONNECTION: Nemo Tub Nat Gas

COMPLETION DATE: 8-27-80 PLUG BACK TOTAL DEPTH: 1050 PACKER SET AT:

CASING SIZE: 4 1/2 WT.: I.D.: SET AT: 1037 PERF.: 964 TO: 1000

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: .585 % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

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

SHUT-IN PRESSURE: SHUT IN 6-14 1982 AT (AM)(PM) TAKEN 6-17 1982 AT (AM)(PM)
 FLOW TEST: STARTED 6-18 1982 AT (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	CASING 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						36.1	50.5				
FLOW	.517	17.0	46.0			17.8	32.2				

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _c)(F _p) 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	31.4	38.005	1.307	1.000	1.000	64.4		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 2.55; (P_w)² = 1.04; 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
2.35	1.51	1.5563	1.9209	.718	1.379	1.3738	88

OPEN FLOW 88 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)

 For Commission

STATE RECEIVED
 JUL 1 1982
 CONSERVATION DIVISION
 Wichita, Kansas
 Company _____
 Checked by _____

* Assumed slope.