

15-181-20259-00-00

STATE OF KANSAS - CORPORATION COMMISSION

FORM O-3
8-7-58

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

TYPE TEST: Deliverability Open Flow TEST DATE: 5-27-87

COMPANY: Goodland Gas Co. LEASE: Schwenbener WELL NO.: 1-26

COUNTY: Sherman LOCATION: SW SW SECTION: 26 TWP: 7 RNG: 39W ACRES:

FIELD: Goodland Gas RESERVOIR: Niobrara Chalk PIPELINE CONNECTION: KN ENERGY

COMPLETION DATE: 10-13-83 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): TYPE FLUID PRODUCTION:

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

GAS GRAVITY - G_s: 1.5827 % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

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

SHUT-IN PRESSURE: SHUT IN 19 AT (AM)(PM) TAKEN 19 AT (AM)(PM)
FLOW TEST: STARTED 19 AT (AM)(PM) TAKEN 19 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 _c) psia	psig	(P _w)(P _c) psia		
SHUT-IN						23.9	38.3				
FLOW	1.375	21.5	6.0	60		21.8	36.2				

RATE OF FLOW CALCULATIONS

COEFFICIENT (P _c) ² / (P _d) ² Mcd	(METER) (PROVER) PRESSURE psia	EXTENSION √P _m h _w	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _L	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcd	GOR	Q _m
1.6860	35.9	14.68	1.31	1.0	1.011	13.34		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 1466.89 (P_w)² = 1310.44 P_d² = _____ % (P_c - 14.4) + 14.4 = _____ (P_a)² = 0.207 (P_d)² = _____

(P _d) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	$\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	LOG []	"n"	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcd
1259.53	156.45	8.051	.9034	.8732	.7888	6.148	82.01

OPEN FLOW 82 Mcd @ 14.65 psia DELIVERABILITY Mcd @ 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 _____, 19__.

Witness (if any)
Dale F. Baethz
For Commission

RECEIVED
CORPORATION COMMISSION
For Company
CONSERVATION DIVISION
Wichita, Kansas
Checked by

JUN 12 1987