

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

FORM G-2
8-7-58
15-181-20072-0000

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

COMPANY: Kentennial LEASE: Blasco WELL NO.: 3-31-

COUNTY: Sherman LOCATION: Sw 4 SECTION: 31 TWP: 7 RNG: 38 ACRES: 38

FIELD: Goodland Gas RESERVOIR: Niobrara PIPELINE CONNECTION: Halfreed

COMPLETION DATE: 11-19-79 PLUG BACK TOTAL DEPTH: 918 PACKER SET AT: _____

CASING SIZE: 4 1/2 WT. I.D. SET AT 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: .598 % CARBON DIOXIDE % NITROGEN API GRAVITY OF LIQUID

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

SHUT-IN PRESSURE: SHUT IN 4-29 1983 AT (AM)(PM) TAKEN 5-2 1983 AT (AM)(PM)

FLOW TEST: STARTED 5-2 1983 AT (AM)(PM) TAKEN 5-3 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	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						23.5	37.9			RECEIVED	
FLOW	.625	11.2	8.0			11.5	25.9			STATE CORPORATION COMMISSION	

MAY 16 1983

RATE OF FLOW CALCULATIONS CONSERVATION DIVISION
Wichita, Kansas

COEFFICIENT (F _c)(F _d) Mcd	(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 Mcd	GOR	G _m
1.914	25.6	14.311	1.296	1.000	1.000	35		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_d)² = 1.436; (P_w)² = .671; P_d = _____ % (P_c - 14.4) + 14.4 = _____; (P_d)² = 0.207

$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	LOG []	"n"	"n" x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcd
1.229	.765	1.6065	.2059	.718	-.1478	1.4055	49

OPEN FLOW 49 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): Glyde Wiley For Commission

For Company _____

Checked by _____