

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

15-181-20133-0000
 FORM G-2
 8-7-58

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

COMPANY: Centennial Energy Lease: Blased WELL NO.: 2-6-

COUNTY: Sherman LOCATION: NW 6 SECTION: 8 TWP: 38 RNG: 38 ACRES:

FIELD: Goodland Gas. RESERVOIR: Niobrara PIPELINE CONNECTION: Kans Tub Nat Gas

COMPLETION DATE: 8-30-80 PLUG BACK TOTAL DEPTH: 993 PACKER SET AT:

CASING SIZE: 4 1/2 WT.: I.D.: SET AT: 993 PERF.: 908 TO: 988

TUBING SIZE: WT.: I.D.: SET AT: PERF.: TO:

TYPE COMPLETION (Describe): Simple gas. TYPE FLUID PRODUCTION:

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

GAS GRAVITY - G_g: 582 % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

VERTICAL DEPTH (H): TYPE METER CONN.: (METER RUN) (PROVER) 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	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						32.9	47.3				
FLOW	.413	22.1	20.0			22.7	37.1				

RATE OF FLOW CALCULATIONS

COEFFICIENT (F ₁)(F ₂) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
.8280	36.5	27.019	1.311	1.000	1.000	29.3		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 2.24; (P_w)² = 1.38; P_d = _____ % (P_c - 14.4) + 14.4 = _____; (P_w)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
2.04	.86	2.3721	.3751	.718*	26.93	1.8593	54

OPEN FLOW 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

* assumed slope

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