

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

15-181-20042-0000
 FORM G-2
 8-7-58

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

COMPANY: Centennial Energy LEASE: Pinkney WELL NO.: 1-32

COUNTY: Sherman LOCATION: SW 4 SECTION 32 TWP 7 RNO 38 ACRES

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

COMPLETION DATE: 10-27-78 PLUG BACK TOTAL DEPTH: 967 PACKER SET AT

CASING SIZE: 4 1/2 WT. I.D. SET AT 917 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_s: 14.4 Psia

GAS GRAVITY - G_g: .583 % CARBON DIOXIDE % NITROGEN API GRAVITY OF LIQUID

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

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 WELL-HEAD PRESS		TUBING WELL-HEAD PRESS		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _t)(P _c) psia	psig	(P _w)(P _t)(P _c) psia		
SHUT-IN						33.9	48.3				
FLOW	.517	11.6	47.0			12.9	27.3				

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _p)(F _d) Mcd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _L	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcd	GOR	Q _m
1.296	26.0	34.957	1.310	1.000	1.000	59		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 2033 ; (P_w)² = .75 ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ (P_d)² = 0.207

(P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	$\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}$	LOG []	"n"	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcd
2.13	1.58	1.3481	.1297	.718	.0931	1.2392	73

OPEN FLOW 73 Mcd @ 14.65 psia DELIVERABILITY Mcd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to execute 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) _____
 For Commission: *Olyde Wiley* # assumed slope

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