

15-181-20093-00-00
STATE OF KANSAS - CORPORATION COMMISSION
 ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

P.9
 1-1-83 FORM G-2
 8-7-58

TYPE TEST: Deliverability Open Flow TEST DATE: 5-14-83

COMPANY: Centennial Eng. Co. LEASE: Briney WELL NO.: 1-33

COUNTY: Sherman LOCATION: SE SW 33 TWP: 7 RNG: 39 ACRES:

FIELD: Goodland RESERVOIR: Nebraska PIPELINE CONNECTION: Halfred

COMPLETION DATE: 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: Casing RESERVOIR TEMPERATURE F: BAR. PRESS - P_a: 14.4 Psia

GAS GRAVITY - G_g: 0.95 % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

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

SHUT-IN PRESSURE: SHUT IN 5-11 1983 AT (AM)(PM) TAKEN 5-14 1983 AT (AM)(PM)
 FLOW TEST: STARTED 5-14 1983 AT (AM)(PM) TAKEN 5-15 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	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						24.3	38.7				
FLOW	5169	13.0	12.4			13.2	27.6				

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _p)(F _d) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m \times h_w}$	GRAVITY FACTOR G _g	FLOWING TEMP. FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
1.225	27.4	18.433	1.296	1.000	1.000	29.0		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 1.50 ; (P_w)² = 7.62 ; 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
1.29	7.38	1.7480	.2425	.718	.1741	1.4933	43

OPEN FLOW 43 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 _____ 1983
 STATE CORPORATION COMMISSION

Witness (if any)
Phyllis Wiley
 For Commission

MAY 31 1983
 CONSERVATION DIVISION
 Wichita, Kansas

For Company _____
 Checked by _____