

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

FORM O-2
8-7-58

15-091-211000-0000

TYPE TEST: Deliverability Open Flow TEST DATE: 1/2/89

COMPANY: OLATHE JOINT VENTURE LEASE WELL NO. #2
 R.J. Baudendistel Baudendistel

COUNTY: Johnson LOCATION: 4060 1st 2310 1st SW 1/4, NE 1/4 SECTION 8 TWP 14S. RNO 23E. ACRES 40

FIELD: Olathe RESERVOIR: Bartlesville Sd. PIPELINE CONNECTION: Brock Explor., Inc. (Cottonwood J.V.)

COMPLETION DATE: 9/17/85 PLUG BACK TOTAL DEPTH: PACKER SET AT

CASING SIZE: 2 7/8" WT. I.D. 2 1/2" SET AT PERF. 778 TO 808

TUBING SIZE I.D. SET AT PERF. TO

TYPE COMPLETION (Describe): single TYPE FLUID PRODUCTION: dry gas / traces of water

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

GAS GRAVITY - G_g: .5765 CARBON DIOXIDE: .77% NITROGEN: 3.56% API GRAVITY OF LIQUID

VERTICAL DEPTH (H): 778 TYPE METER CONN.: flange (METER RUN) (PROVER) SIZE: 2"

SHUT-IN PRESSURE: SHUT IN Dec. 28th 19 88 AT 1 (AM)(PM) TAKEN 1/2 19 89 AT 1:19 (AM)(PM)

FLOW TEST: STARTED 1/2 19 89 AT 1:19 (AM)(PM) TAKEN 1/2 19 89 AT 1:50 (AM)(PM)

RECEIVED
 STATE CORPORATION COMMISSION
 JAN 9 1989
 01-09-89
 CONSERVATION DIVISION
 Wichita, Kansas

OBSERVED DATA DURATION OF SHUT-IN 72 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 _t)(P _c) psia	psig	(P _w)(P _t)(P _c) psia		
SHUT-IN	1 7/8	106		@60°			120.65			72.0	none
FLOW	1 7/8	84.5		@60°			99.15			.5	none

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _p)(F _d) Mofd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP. F _L	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mofd	GOR	Q _m
.2716	99.15		1.318	1.000	1.008	35.77	NOTE	Table III for orifice well tester shows 42.5 mcf

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 14,556.4 (P_w)² = 9,830.7 P_d = _____ % (P_c - 14.4) + 14.4 = _____ (P_w)² = 0.20 shows 42.5 mcf (P_d)² = _____

$\frac{(P_c)^2 - (P_w)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2}$	LOG []	"n"	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mofd
14,341.8	4725.7	3.0348		1.0		3.0348	108.6

OPEN FLOW 108.6 Mofd @ 14.65 psia DELIVERABILITY Mofd @ 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 5th day of JANUARY, 1989.

Gary P. [Signature] Witness (if any)
[Signature] For Company
 My Appt. Exp. 1-28-92
 For Commission Checked by