

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

FORM G-3
 8-7-58

15-005-20054-0000
 7-4-89

TYPE TEST: Deliverability Open Flow TEST DATE: 9/10/88

COMPANY: Theodore Leben & Associates LEASE: Childress WELL NO.: 2

COUNTY: Atchison LOCATION: N/2 SW/4 SECTION: 2 TWP: 7S RNG: 18E ACRES:

FIELD: Wehking RESERVOIR: Lower McLouth PIPELINE CONNECTION: Atchison Pipeline Co.

COMPLETION DATE: 11/21/87 PLUG BACK TOTAL DEPTH: 1795 PACKER SET AT:

CASING SIZE	WT.	L.D.	SET AT	PERF.	TO
4 1/2"	9.5#		1835	1746	1754
TUBING SIZE	WT.	L.D.	SET AT	PERF.	TO
2 3/8"	4.7#		1715		

TYPE COMPLETION (Describe): Single Gas TYPE FLUID PRODUCTION: None

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

GAS GRAVITY - G_g: 0.593 % CARBON DIOXIDE: 0.21 % NITROGEN: 7.11 API GRAVITY OF LIQUID:

VERTICAL DEPTH (ft): 1750 TYPE WTR CONN.: Flange/Down (METER RUN)(BROOK) SIZE: 2.067

SHUT-IN PRESSURE: SHUT IN: 9/10 1988 AT 8:21 (AM) TAKEN 9/13 1988 AT 9:25 (AM) TAKEN

FLOW TEST: STARTED: 9/9 1988 AT 8:15 (AM) TAKEN 9/10 1988 AT 8:15 (AM) TAKEN

OBSERVED DATA

DURATION OF SHUT-IN 73 HR.

SHUT-IN OR FLOW	ORIFICE SIZE In.	(METER) (PROBING) PRESSURE psig	DIFF. In. (P _w)(P _d)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _d)(P _c) psia	psig	(P _w)(P _d)(P _c) psia		
SHUT-IN						500.8	515.2	453.6	468.0	73	RECEIVED STATE CORPORATION COMMISSION
FLOW	0.750	132	44.3	76		412.5	426.9	280.0	294.4	241	4030

RATE OF FLOW CALCULATIONS

CONSERVATION DIVISION
 Wichita, Kansas

COEFFICIENT (F _p)(F _e) Mcfd	(METER) (PROBING) PRESSURE psia	EX.ENSION $\sqrt{P_{cshw}}$	GRAVITY FACTOR F _g	FLOWING TEMP. F _L	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
2.778	146.4	80.5	1.2986	0.9850	1.0109	289		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 265.431 ; (P_w)² = 182.244 ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_d)² = 0.207 ; (P_d)² = _____

$\frac{(P_c)^2 - (P_w)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}$	LOG []	"a"	a x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
265.224	83.187	3.188	0.5036	1.0000	0.5036	3.188	921

OPEN FLOW 921 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 5th day of July, 1989

Petroleum Science Corporation
 600 Commerce Plaza
 7300 West 110th Street
 Overland Park, KS 66210

Ronald Thompson (consultant)
 For Company

Witness (if any)

For Commission

Checked by