15-005-20068-0000

STATE OF KANSAS – CORPORATION COMMISSION

FORM C-2
8-7-58

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

TYPE TEST: ☐ Deliverability ☒ Open Flow TEST DATE: 9/16/89

COMPANY	LEASE	WELL NO.
Theodore I. Leben & Associates	Sheeley "A"	1-35

COUNTY	LOCATION	SECTION	TWP	RNG	ACRES
Atchison	NW SE SE/4	35	6S	18E	

FIELD	RESERVOIR	PIPELINE CONNECTION
Wildcat	U. McLouth	Atchison Pipeline Co.

COMPLETION DATE	PLUG BACK TOTAL DEPTH	PACKER SET AT
7/7/89	1755	

CASING SIZE	WT.	I.D.	SET AT	PERF.	TO
4 1/2"	10.5#		1848'	1733'	1753'

TUBING SIZE	WT.	I.D.	SET AT	PERF.	TO
2 3/8"	4.7#		1754'		

TYPE COMPLETION (Describe)	TYPE FLUID PRODUCTION
Single Gas	Gas

PRODUCING THRU	RESERVOIR TEMPERATURE °F	BAR. PRESS – P_a
Tubing	97°F	14.4 Psia

GAS GRAVITY – G_g	% CARBON DIOXIDE	% NITROGEN	API GRAVITY OF LIQUID
0.581	0.91	3.37	

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

SHUT-IN PRESSURE: SHUT IN 8/26 19 89 AT 8:00 (AM)(PM) TAKEN 8/29 19 89 AT 8:00 (AM)(PM)

FLOW TEST: STARTED 9/15 19 89 AT 8:00 (AM)(PM) TAKEN 9/16 19 89 AT 8:00 (AM)(PM)

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. psig	CASING WELLHEAD PRESS. $(P_w)(P_t)(P_c)$ psia	TUBING WELLHEAD PRESS. psig	TUBING WELLHEAD PRESS. $(P_w)(P_t)(P_c)$ psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT-IN						526	540.4				
FLOW	1.500	290	68	65		492	506.4	452	466.4	24.0	

RATE OF FLOW CALCULATIONS

COEFFICIENT $(F_b)(F_p)$ Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m x h_w}$	GRAVITY FACTOR F_g	FLOWING TEMP. FACTOR F_t	DEVIATION FACTOR F_{pv}	RATE OF FLOW R Mcfd	GOR	G_m
13.09	304.4	143.87	1.312	0.9952	1.019	2505		

RECEIVED
STATE CORPORATION COMMISSION
OCT 6 1989
CONSERVATION DIVISION
Wichita, Kansas

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$= 292,032 ; $(P_w)^2$= 256,440 ; P_d= ____ % $(P_c - 14.4) + 14.4$ = ____ ; $(P_a)^2$=0.207 $(P_d)^2$= .207

$(P_c)^2-(P_a)^2$ or $(P_c)^2-(P_d)^2$	$(P_c)^2-(P_w)^2$	$\frac{P_c^2-P_a^2}{P_c^2-P_w^2}$ or $\frac{P_c^2-P_d^2}{P_c^2-P_w^2}$	LOG [ ]	"n"	n x LOG [ ]	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
291,825	35,591	8.2	0.9138	0.866	0.7914	6.18	15,494

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 2nd day of October, 19 89.

Witness (if any)

For Company

Checked by