

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

FORM O-2  
8-7-58

TYPE TEST:  Deliverability  Open Flow TEST DATE: September 16, 1983

COMPANY Duranco LEASE Bleakley WELL NO. 3

COUNTY Johnson LOCATION SECTION 33 TWP 13S RNO 23E ACRES 10

FIELD Nobtown & Upper Squirrel PIPELINE CONNECTION None - New Well

COMPLETION DATE PLUG BACK TOTAL DEPTH PACKER SET AT

CASING SIZE WT. I.D. SET AT PERF. TO  
4.500 9.5 336 610

TUBING SIZE WT. I.D. SET AT PERF. TO  
2.063 3.2

TYPE COMPLETION (Describe) Dual TYPE FLUID PRODUCTION None

PRODUCING THRU Tubing RESERVOIR TEMPERATURE F 124 BAR. PRESS - P<sub>a</sub> 14.4 Psia

GAS GRAVITY - G<sub>g</sub> 0.650 (A) % CARBON DIOXIDE N/A % NITROGEN N/A API GRAVITY OF LIQUID N/A

VERTICAL DEPTH (H) 473 TYPE METER CONN. (XXXXXX)(PROVER) SIZE 2.000

SHUT-IN PRESSURE: SHUT IN Sept. 14, 1983 AT AM (AM)(PM) TAKEN Sept. 15, 1983 AT AM (AM)(PM)

FLOW TEST: STARTED Sept. 15, 1983 AT AM (AM)(PM) TAKEN Sept. 15, 1983 AT PM (AM)(PM)

OBSERVED DATA

DURATION OF SHUT-IN HR.

SHUT-IN OR FLOW	ORIFICE SIZE in.	XXXXXX (PROVER) PRESSURE psig	DIFF. in. (h <sub>w</sub> )(h <sub>d</sub> )	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASING WELLHEAD PRESS		TUBING WELLHEAD PRESS		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P <sub>w</sub> )(P <sub>i</sub> )(P <sub>c</sub> ) psia	psig	(P <sub>w</sub> )(P <sub>i</sub> )(P <sub>c</sub> ) psia		
SHUT-IN						85	99.4	85	99.4	24	
FLOW	.500	58	N/A	60(A)	60(A)	58	72.4	58	72.4	6	0

RATE OF FLOW CALCULATIONS

COEFFICIENT (F <sub>p</sub> )(F <sub>d</sub> ) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m \Delta h_w}$	GRAVITY FACTOR F <sub>g</sub>	FLOWING TEMP. FACTOR F <sub>t</sub>	DEVIATION FACTOR F <sub>pv</sub>	RATE OF FLOW R Mcfd	GOR	STATE CORPORATION COMMISSION RECEIVED MAR 12 1984 03-12-84 CONSERVATION DIVISION Wichita, Kansas
4.388	72.4	N/A	1.240	1.000	1.009	397	N/A	

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>c</sub>)<sup>2</sup> = 98.8 (P<sub>w</sub>)<sup>2</sup> = 52.4 P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ (P<sub>w</sub>)<sup>2</sup> = 0.207 (P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 - P_a^2}{P_c^2 - P_d^2}$	LOG [ ]	"n"	n x LOG [ ]	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
	46.4		2.1293	0.850	1.8099	1.9011	754.734

OPEN FLOW 754.7 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 \_\_\_\_\_, 19\_\_\_\_.

Witness (if any)

For Company