

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

FORM G-2  
8-7-58

15-091-21816-0050

**TYPE TEST:**  Deliverability  Open Flow      **TEST DATE:** 6/8/87

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**COMPANY:** Kenneth Moll      **LEASE:** Moll      **WELL NO.:** #6

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**COUNTY:** Johnson      **LOCATION:** 2305 fsl 1655 fel      **SECTION:** 6      **TWP:** 14 S.      **RNG:** 23 E.      **ACRES:**

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**FIELD:** Olathe      **RESERVOIR:** Bv Sandstone      **PIPELINE CONNECTION:** Grinsted Products

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**COMPLETION DATE:** 3/14/87      **PLUG BACK TOTAL DEPTH:** 800 ft      **PACKER SET AT:** @775 ft

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**CASINO SIZE:** 2.5"      **WT.:**      **I.D.:**      **SET AT:** @775 ft      **PERF.:**      **TO:** open hole to 800 ft.

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**TUBING SIZE:** none      **WT.:**      **I.D.:**      **SET AT:**      **PERF.:**      **TO:**

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**TYPE COMPLETION (Describe):** single gas/open hole      **TYPE FLUID PRODUCTION:** none

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**PRODUCING THRU:** casing      **RESERVOIR TEMPERATURE, F:** 70°      **BAR. PRESS - P<sub>e</sub>:** 14.4 Psia

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**GAS GRAVITY - G<sub>g</sub>:** .568      **% CARBON DIOXIDE:** .12%      **% NITROGEN:** 3.5%      **API GRAVITY OF LIQUID:**

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**VERTICAL DEPTH (H):** 800 ft      **TYPE METER CONN.:** flange      **(METER RUN)(PROVER) SIZE:** 2"

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**SHUT-IN PRESSURE:** SHUT IN 4:35 pm 6/5 1987 AT 4:35 (AM/PM) TAKEN 6/8/ 1987 AT 1 pm (AM/PM)

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**FLOW TEST:** STARTED June 8 1987 AT 11 (AM/PM) TAKEN 6/8 1987 AT 3 pm (AM/PM)

**OBSERVED DATA**

SHUT-IN OR FLOW	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFF. in. (h <sub>w</sub> )(h <sub>d</sub> )	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASINO 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						77.8	92.5				
FLOW	.5	52.5	22.5	77°						1.0	

**RATE OF FLOW CALCULATIONS**

COEFFICIENT (F <sub>p</sub> )(F <sub>w</sub> ) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION √P <sub>m</sub> h <sub>w</sub>	GRAVITY FACTOR F <sub>g</sub>	FLOWING TEMP. FACTOR F <sub>L</sub>	DEVIATION FACTOR F <sub>pv</sub>	RATE OF FLOW R Mcfd	GOR	G <sub>m</sub>
1.219	67.2	38.88	1.327	.984	1.008	62.38		

**(OPEN FLOW) (DELIVERABILITY) CALCULATIONS**

(P<sub>c</sub>)<sup>2</sup> = 8556      (P<sub>w</sub>)<sup>2</sup> = 4516      P<sub>d</sub><sup>2</sup> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_      (P<sub>w</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	$\frac{(P_c^2 - P_d^2)}{P_c^2 - P_w^2}$	LOG [ ]	"n"	n x LOG [ ]	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
8340	4040	2.11782	18 .32589	1.00	.3258894	2.118	132.11

**OPEN FLOW** 132.11 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 9<sup>TH</sup> day of JUNE 1987

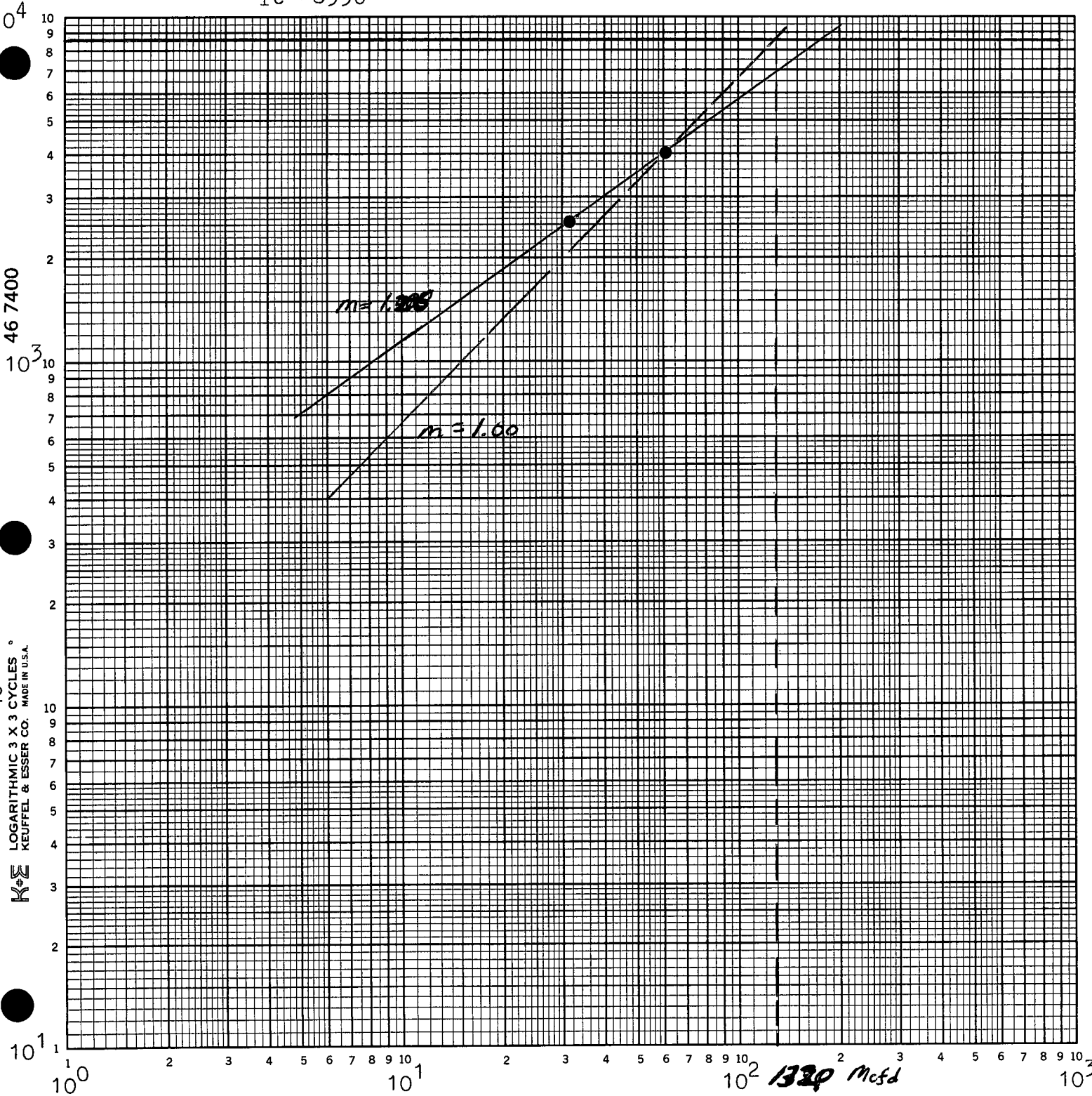
RECEIVED  
STATE CORPORATION COMMISSION  
*[Signature]*  
For Company

Witness (if any) \_\_\_\_\_  
For Commission \_\_\_\_\_

JUN 11 1987  
De-11-87  
CONSERVATION DIVISION      Checked by \_\_\_\_\_

Kenneth Moll  
Moll #6 Well  
June 8, 1987

$Pc^2 = 8556$



10<sup>4</sup>  
10<sup>3</sup>

LOGARITHMIC 3 X 3 CYCLES  
KEUFFEL & ESSER CO. MADE IN U.S.A.

10<sup>2</sup>  
10<sup>1</sup>

Q rate of Flow(MCFD)

Wellhead Absolute  
Open Flow Potential

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STATE CORPORATION COMMISSION

JUN 11 1987

CONSERVATION DIVISION