

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

15-167-21326-0000  
 PHUD 9-25-81

FORM O-2  
 8-7-58

TYPE TEST:  Deliverability  Open Flow **SPEC** TEST DATE: **8-11-81**

COMPANY: **DAVIES & CO INC** LEASE: **A. ZEMAN** WELL NO.: **1-9**

COUNTY: **RUSSELL** LOCATION: **W/2-W/2 NW/4** SECTION: **9** TWP: **14** RNO: **11** ACRES: **11**

FIELD: **Wilson Creek - Tarkio** RESERVOIR: **Tarkio** PIPELINE CONNECTION: **MICH-WIS**

COMPLETION DATE: **11-14-79** PLUG BACK TOTAL DEPTH: \_\_\_\_\_ PACKER SET AT: \_\_\_\_\_

CASINO SIZE: \_\_\_\_\_ WT. \_\_\_\_\_ I.D. \_\_\_\_\_ SET AT \_\_\_\_\_ PERF. \_\_\_\_\_ TO \_\_\_\_\_

TUBING SIZE: \_\_\_\_\_ WT. \_\_\_\_\_ I.D. \_\_\_\_\_ SET AT \_\_\_\_\_ PERF. \_\_\_\_\_ TO **22-11-20 2187-92**

TYPE COMPLETION (Describe): \_\_\_\_\_ TYPE FLUID PRODUCTION: \_\_\_\_\_

PRODUCING THRU: \_\_\_\_\_ RESERVOIR TEMPERATURE F: \_\_\_\_\_ BAR. PRESS - P<sub>a</sub>: **14.4 Psia**

GAS GRAVITY - G<sub>g</sub>: \_\_\_\_\_ % CARBON DIOXIDE: \_\_\_\_\_ % NITROGEN: \_\_\_\_\_ API GRAVITY OF LIQUID: \_\_\_\_\_

VERTICAL DEPTH (H): \_\_\_\_\_ TYPE WATER CONN.: **F1** (METER RUN)(PROVER) SIZE: **3**

SHUT-IN PRESSURE: SHUT IN \_\_\_\_\_ AT \_\_\_\_\_ (AM)(PM) TAKEN \_\_\_\_\_ AT \_\_\_\_\_ (AM)(PM)

FLOW TEST: STARTED \_\_\_\_\_ AT \_\_\_\_\_ (AM)(PM) TAKEN \_\_\_\_\_ AT \_\_\_\_\_ (AM)(PM)

OBSERVED DATA DURATION OF SHUT-IN \_\_\_\_\_ HR.

SHUT-IN OR FLOW	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFF. in. (h <sub>w</sub> Xh <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> X P <sub>o</sub> ) psig	(P <sub>w</sub> )(P <sub>o</sub> ) psig	(P <sub>w</sub> X P <sub>o</sub> ) psig		
SHUT-IN	<b>500</b>	<b>149</b>	<b>2.0</b>							<b>24</b>	
FLOW											

RATE OF FLOW CALCULATIONS

COEFFICIENT (F <sub>b</sub> )(F <sub>d</sub> ) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_{mshw}}$	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>
						<b>20,320</b>		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>c</sub>)<sup>2</sup> \_\_\_\_\_ (P<sub>w</sub>)<sup>2</sup> \_\_\_\_\_ P<sub>d</sub><sup>2</sup> \_\_\_\_\_ % (P<sub>o</sub> - 14.4) + 14.4 = \_\_\_\_\_ (P<sub>o</sub>)<sup>2</sup> = 0.20

$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	LOG [ ]	n*	n x LOG [ ]	ANTILOG

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 \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

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

For Company \_\_\_\_\_  
 Checked by \_\_\_\_\_

RECEIVED  
 STATE CORPORATION COMMISSION  
 AUG 31 1981  
 CONSERVATION DIVISION  
 Wichita, Kansas  
 RECEIVED  
 STATE CORPORATION COMMISSION  
 AUG 31 1981  
 CONSERVATION DIVISION  
 ANTILOG  
 WICHITA, KANSAS