

Arden Ratzlaff

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COMPANY **CHIEFTAIN OIL CO., INC.**

LEASE **STEFFEN OREGO No. 1**

FIELD **WILDCAT**

LOCATION **C. SW NW**

SECTION **28** TOWNSHIP **21S** RANGE **21W**

COUNTY **HODGEMAN** STATE **KANSAS**

CONTRACTOR **POSSIL DRILLING** RIG NO. **2**

COMPLETED DRILLING **11-1-12**

RD **4350** FEET LTD **4497** FEET

MUD UP AT **2320** FEET MUD TYPE **CHEMICAL**

DRILLING TIME

AND

SAMPLE LOG

ELEVATIONS

K0 **2168**

IF **2184**

Q **2188**

Measurements are all from **K.B.**

CASING **5 1/2" @ 4495' W. 100 ST.**

DV TOOL @ **1890' W. 300 ST.**

ELECTRICAL SURVEYS

NUMBERS - GAMMA RAY LOG, INDICATION, COMPENSATED DENSITY, & NEUTRON, S.P. CALIPER

FORMATION

SAMPLE

ELECTRIC LOG

MISSISSIPPIAN TOTAL DEPTH **4350 (2188) 4500 (2334)**

4350 (2188) 4497 (2353)

REMARKS **AFTER ANALYZING ALL OF THE INFORMATION, ESPECIALLY THE GOOD SAMPLE SHOWS & ELECTRIC LOG CALCULATIONS ON THE ORIGINAL LOG & HAS ADDED POSITIVE INFORMATION FROM THE CAPTIONED HOLE PIPE WAS SET IN EXPECTATION OF A GOOD WELL.**

Arden Ratzlaff, Petroleum Geologist

NOTE: **AMERICAN** FURNISHED THE DRILLING MUD & SAMPLES DERIVED AT THE K.C.S. SURVEY.

LEGEND

