

COPY

JAMES GUINOTTE
PETROLEUM GEOLOGIST

February 16, 1965

P. O. Box 2
CHANUTE, KANSAS

OFFICE
9 1/2 EAST MAIN

PHONES
OFFICE HE 1-4130
RES. HE 1-4028

5-8w

W. S. Farish III

Umbarger Well No. W-4

Comm. Drlg - Feb. 12, 1965

Location: NE NW SE SW

Comp. Drlg - Feb. 15, 1965

Section 36-28S-16E

Wilson County, Kansas

K-K Drilling Company Tools

Elevation: 866 Gd

Casing: 8 5/8 - 15'

4 1/2 - 679.5 w/170 sax 3% gel / 3800 lbs. silica
Cemented by Halliburton

Samples by - J.E. Guinotte

February 15, 1965

10' samples - 5' drilling time

Oswego ls - 604'

SAMPLES

- 600 - 10 - Buff xlyn ls - dense - sl/odor - no show
- 610 - 20 - Tan/buff xlyn ls hard
- 620 - 30 - Buff xlyn ls and black shale
- 630 - 40 - Gray xlyn ls and gray shale
- 640 - 50 - Gray and green shale
- 651 - Circ- Gray-green shalesdy - sl/odor

"CAT WALK DESCRIPTION"

CORE # 1 - 651 - 676

Recovered 20 feet

- 651 - 653.6 - Green & gray sdy shale
- 653.6 - 655 - Brown/green sdy lime - fair porosity - hard and dense on bottom - sl/bleeding oil & gas and sl/water
- 655 - 663 - Brown fine grd micaceous sd - fair/gd porosity - core bleeding oil & gas
- 663 - 668 - Brown fine grd micaceous sd - sl/shaly Fair porosity - core bleeding oil & gas
- 668 - 671 - Gray laminated sd & shale - sd lenses bleeding oil & gas - 85% shale
- 671 - 676 - Loss

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Umbarger Well No. W-4

Squirrel sand - 655 - 668 = 13'
Brk Squirrel sand - 668 - 671 = 3'

Reamed hole to 700' T. D.
Ran 679.5' of 4 $\frac{1}{2}$ " casing

James E. Guinotte