

36-28-16E

JAMES GUINOTTE  
PETROLEUM GEOLOGIST

December 31, 1964

P. O. Box 2  
CHANUTE, KANSAS

OFFICE  
9 1/2 EAST MAIN

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

K. Keas Et al

#1A Folger

Comm. Drlg - 12/29/64  
Comp. Drlg - 12/31/64

Location: SW SW SE NW  
Section 36-28S-16E  
Wilson County, Kansas

Contractor: K-K Drlg. Co.

Elevation - 870 Gd.

Casing: 7" @ 22'

J.E. Guinotte - Geologist

10' samples - 5' drlg. time

SAMPLES

Oswego ls - 612

- 590 - 600 - Lgt gray sdy shale and siltstone
  - 600 - 610 - Lgt gray sdy shale and shale
  - 610 - 620 - Tan/buff xlyn ls dense - no stain - no odor
  - 620 - 630 - Tan/brown xlyn dense ls
  - 630 - 640 - Black shale
  - 640 - 650 - Tan xlyn ls and drk gray/black shale
  - 650 - 655 - Lgt gray shale
- Circ. sample

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"CAT WALK DESCRIPTION"

CORE #1 - 655 - 680 - Recovered 23 feet

- 655 - 659 - Gray shale
- 659 - 661.3 - Gray shale & brk laminated tan fine grd  
sd - sand lenses - bleeding oil & gas -  
slight/poros - shaly
- 661.3 - 668 - Brown/black fine/med grd sand fair/good  
porosity - core bleeding oil & gas micaceous
- 668 - 671.3 - Brk laminated sand and shale - thin sd lenses  
micaceous fine grd fair porosity - core bleeding  
oil and gas
- 671.3 - 678 - Drk gray shale
- 678 - 680 - Loss

Squirrel sd - 661.3 - 668 = 6.7' sd  
668 - 671.3 = 3.3' brk sd

Core picked up by Oilfield Research for analysis

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SAMPLES

680 - 680 - Gray shale & micaceous siltstone  
 680 - 690 - Gray shale  
 690 - 700 - Gray shale  
 700 - 710 - Drk gray shale & coal  
 710 - 720 - Black shale & coal  
 720 - 730 - Gray shale  
 730 - 740 - Gray shale & micaceous siltstone  
 740 - 750 - Gray shale  
 750 - 760 - Gray shale  
 760 - 770 - Gray shale & gray sdy shale  
 770 - 780 - Lgt tan sdy shale & fine grd sd very slight/stain  
 and slight odor  
 Circ. sample @ 783 - Tan/buff fine grd sd - slight oil stain -  
 good odor - no show - no free oil  
  
 780 - 790 - Tan fine/med grd Bartlesville Zone  
 Sd - fair porosity - no stain 783 - 835  
 slight/odor  
 790 - 800 - Tan med grd sd - good porosity - very  
 slight/stain - slight/odor  
 800 - 810 - Tan to white med grd sd - no stain - no  
 odor - wet  
 810 - 820 - White to gray med grd sd - wet - fair porosity  
 820 - 830 - Gray shale & sd as above - December 31, 1964  
 830 - 840 - Gray shale & coal & sd as above  
 840 - 850 - Gray shale & coal  
 850 - 860 - Wh/gry fine grd sd - no stain - slight show  
 dead oil  
 860 - 870 - Gray shale  
 870 - 880 - Gray shale  
 880 - 890 - Drk gray shale and coal  
 890 - 900 - Black shale and coal  
 900 - 910 - Drk gray shale  
 910 - 920 - Gray shale & siltstone  
 920 - 930 - Gray micaceous siltstone  
 930 - 940 - Gray shale & siltstone  
 940 - 950 - Gray shale  
 950 - 960 - Gray fine grd sd - tight - stain of dead oil  
 960 - 970 - Gray sdy shale & siltstone  
 970 - 980 - Gray shale & white fine/grd sd & sdy shale  
 980 - 990 - Lgt gray sdy shale  
 990 - 1000 - Lgt gray sd fine grd & siltstone w/stain  
 dead oil - tight  
 1000 - 1010 - Lgt gray fine grd sd - shaly w/stain dead  
 oil - fair porosity  
 1010 - 1020 - Gray shale ? bad  
 1020 - 1030 - Gray shale  
 1030 - 1040 - Gray shale  
 1040 - 1050 - Black shale & coal  
 1050 - 1060 - Black shale w/pyrite

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#1A Folger

1060 - 1070 - White shale Top Miss - 1073 (-203)  
 1070 - 1080 - Wh/tan xlyn dol dense w/chert &  
 pyrite w/stains - spotted staining of  
 dead oil  
 1080 - 1089 - Tan/buff xlyn dol - sucrosic in part - dense  
 1089 - 1092 - Tan xlyn dol and white xlyn soft ls -  
 no stain

Circ. @ 1092'

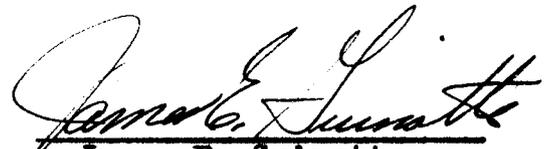
T.D. - 1092

Ran Induction and Electric log by Schlumberger

ELECTRIC LOG TOPS

|                 |          |                 |  |
|-----------------|----------|-----------------|--|
| Base K.C. ls    |          | 338             |  |
| Oswego ls       |          | 612             |  |
| Squirrel sd     |          | 662 - 668 - 6'  |  |
|                 | Brk sand | 668 - 671 - 3'  |  |
| Bartlesville sd |          | 783 - 842 - 59' |  |
| Mississippi ls  |          | 1073 (-203)     |  |
| T.D.            |          | 1091            |  |

The clean section of Squirrel sand from 662 - 668 showed excellent oil saturations, good porosity and low water. The Bartlesville sand showed low oil saturation and high water saturation. It is recommended that the 1-A Folger option well be temporarily abandoned until further evaluation of the Squirrel sand reservoir is accomplished with additional drilling.

  
 James E. Guinotte

JEG/v1