

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY *Pottawatomie* PROJECT NO. *24-75-K-2592-01* BRIDGE NO. *19.76*

DESCRIPTION *US-24 OVER U.F.R.R. CO.* STA. *78+16, RT. 8*

GEOLOGIST *Alex Ketoyantz* VERTICAL SCALE *1" = 20'* DATE *6-29-1987*

| BIT TYPE & NO. | GEOLOGIC NAME | GEOLOGIC COLUMN | GROUNDWATER ELEVATION | DEPTH | ELEVATION | GEOLOGIC DESCRIPTION AND REMARKS | UNCONFINED COMPRESSION | STANDARD PENETRATION OR CASING DRIVE | | |
|----------------|------------------------|-----------------|-----------------------|--------------|--|---|---------------------------------------|--------------------------------------|-----------------|--------------|
| | | | | | | | | BLOWS | ELEV. | |
| | | | | | 970 | | | | | |
| | <i>Alluvium</i> | | | <i>45</i> | <i>958.4</i> | <i>T.H. El. 962.9</i> <i>silty clay,</i> | | | | |
| | | | | <i>950</i> | <i>946.2</i> | <i>Silt, some clay binder, tan brown-tan.</i> | | <i>Pushed casing</i> | <i>3</i> | <i>950.9</i> |
| | | | | <i>946.2</i> | | | | <i>SPT</i> | <i>18</i> | <i>943.4</i> |
| | | | | <i>930</i> | | <i>Sand, fine-coarse</i> | | | <i>10</i> | <i>929.3</i> |
| | | | | <i>910</i> | | | | | <i>16</i> | <i>915.3</i> |
| | | | | <i>890</i> | | | | | <i>14</i> | <i>900.8</i> |
| | | | | <i>756</i> | | <i>887.3</i> | | | <i>60</i> | <i>887.1</i> |
| | | | | <i>77.9</i> | | <i>885.0</i> | <i>sh, limy, blocky, gray</i> | <i>Ref. #1</i> | <i>Qu. 3.3</i> | <i>887.1</i> |
| | | | | <i>81</i> | | <i>881.9</i> | <i>sh, silty, light greenish gray</i> | <i>#2</i> | <i>Qu. 8.3</i> | <i>882.5</i> |
| | | | | <i>86</i> | | <i>876.8</i> | <i>Siltstone, multicolored.</i> | <i>#3</i> | <i>Qu. 10.4</i> | <i>877.7</i> |
| | | <i>896</i> | | <i>873.3</i> | <i>Sandstone, fine grained, watered, tan-light gray.</i> | <i>#4</i> | <i>Qu. 22.8</i> | <i>870.5</i> | | |
| | | <i>1036</i> | | <i>859.3</i> | <i>sh, silty, micaceous, gray-dk. gray.</i> | <i>#5</i> | <i>Qu. 24.3</i> | <i>865.3</i> | | |
| | | <i>705.6</i> | | <i>857.3</i> | <i>ls., fossiliferous, gray.</i> | <i>#6</i> | <i>Qu. 169.7</i> | <i>858.0</i> | | |
| | <i>Five Bin + Mbr.</i> | | | <i>850</i> | | | | | | |

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|-------------------|------------------|--------------------|--------------------------|-------|-----------|--|---------------------------|---|-------|
| | | | | | | | | BLOWS | ELEV. |
| | | | | | | <p><i>Core #1, 76'-81' (886.6 - 881.8)</i></p> <p style="margin-left: 40px;"><i>R.O.D. 58%</i></p> <p style="margin-left: 40px;"><i>Core Rec. 98%</i></p> | | | |
| | | | | | | <p><i>Core #2, 81'-86' (881.8 - 876.8)</i></p> <p style="margin-left: 40px;"><i>R.O.D. 33%</i></p> <p style="margin-left: 40px;"><i>Core Rec. 100%</i></p> | | | |
| | | | | | | <p><i>Core #3, 86'-91' (876.8 - 871.8)</i></p> <p style="margin-left: 40px;"><i>R.O.D. 10%</i></p> <p style="margin-left: 40px;"><i>Core Rec. 90%</i></p> | | | |
| | | | | | | <p><i>Core #4, 91'-95' (871.8 - 867.3)</i></p> <p style="margin-left: 40px;"><i>R.O.D. 96%</i></p> <p style="margin-left: 40px;"><i>Core Rec. 100%</i></p> | | | |
| | | | | | | <p><i>Core #5, 95'-100' (867.3 - 862.3)</i></p> <p style="margin-left: 40px;"><i>R.O.D. 66%</i></p> <p style="margin-left: 40px;"><i>Core Rec. 90%</i></p> | | | |
| | | | | | | <p><i>Core #6, 100'-105' (862.3 - 857.3)</i></p> <p style="margin-left: 40px;"><i>R.O.D. 85%</i></p> <p style="margin-left: 40px;"><i>Core Rec. 100%</i></p> | | | |