



00048042

FORMATION TOPS

KB 4634'

| <u>FORMATION</u> | <u>DEPTH</u> | <u>DATUM</u> |
|------------------|----------------|--------------|
| Niobrara | 4008' | + 626' |
| Fort Hays | 4458' | + 176' |
| Carlile | 4514' | + 120' |
| Greenhorn | 4536' | + 98' |
| Bentonite | 4775' | - 141' |
| D sand | 4867' | - 233' |
| J sand | 4952' | - 318' |
| TOTAL DEPTH | 5019' (Logger) | |

SAMPLE DESCRIPTION

| | | |
|--------|-------------|---|
| D sand | 4867'-4880' | Sandstone - light gray, fine to very fine grained, shaley streaks, carbonaceous specks, mica, non-calcareous, friable, no shows. |
| | 4882'-4903' | Sandstone - light gray, fine grained, clean to slightly argillaceous, shale spicules, slightly calcareous, mica, white clay inclusions, occasional carbonaceous debris, friable, shale interbeds, no shows. |
| | 4906'-4926' | Sandstone - light gray, fine to very fine grained, abundant shale partings, mica, carbonaceous debris, friable, non-calcareous, no shows. |
| J sand | 4952'-4966' | Sandstone - light gray-brown, fine to medium grained, argillaceous, abundant shale spicules, very calcareous, occasionally compacted, friable to firm, no shows. |
| | 4968'-4980' | Sandstone - white to light gray, fine grained, white clay filling, shale interbeds, shale spicules, non-calcareous, friable, no shows. |
| | 4981'-4990' | Sanstone - light gray, fine grained, clean in part, abundant shale spicules, white clay inclusions, non-calcareous, friable, no shows. |
| | 4991'-5019' | Sandstone - white to buff, fine to medium grained, white clayfilling, occasional shale spicules, non-calcareous, very friable, no shows. |