# MUD LOG
## WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

| | |
|---|---|
| Well Name: | WELLINGTON 4-03-1-32 |
| Location: | SW NE NE SEC 32-T15-1W; SUMNER COUNTY, KS |
| Licence Number: | API 15-191-22689 — Region: MID-CONTINENT |
| Spud Date: | 12/29/2010 — Drilling Completed: |
| Surface Coordinates: | LATITUDE : 37.3439139 |
| | LONGITUDE : -97.4834694 |
| Bottom Hole Coordinates: | |
| Ground Elevation (m): | 1259 — K.B. Elevation (ft): 1272 |
| Logged Interval (ft): | To: — Total Depth (ft): |
| Formation: | |
| Type of Drilling Fluid: | CHEMICAL (BENTONITE) MUD |

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## OPERATOR

Company: BERESCO LLC.
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## GEOLOGIST

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Company: BERESCO LLC.
Address: 3029 N. BRAMBLEWOOD ST.
WICHITA
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## Cores

## DSTs

## TOPs

## ROCK TYPES

| | | | | | |
|---|---|---|---|---|---|
| Anhy | Clyst | Gyp | Mrst | Shgy | Dol |
| Bdst | Coal | Hlite | Mrbl | Sltst | Sh |
| Bxsl | Cgl | Ignus | Mrgl | Slst | Sn |
| Chert | Dmst | Lmst | Mstd | Shcl | Tff |

## ACCESSORIES

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MINERAL | | FOSSIL | | | | | |
| Anhy | Gyp | Algae | Oolrs | Sponge | | | |
| Argill | Hvymin | Amph | Pelec | Spotted | | | |
| Arg | Kaol | Arch | Pellet | Qtzrs | | | |
| Bitu | Marl | Bdelt | Plexdis | Quad | | | |
| Bk | Micaceous | Brach | Plant | Shrub | | | |
| Brecfrag | Phos | Bryozoa | Prismdis | | | | |
| Calc | Pyr | Crinoid | Sclerite | | | | |
| Carb | Salt | Echin | Skeletal | | | | |
| Chlrdk | Sandy | Crin | Strom | | | | |
| Chlrlt | Sd | Cryptos | Tabulate | | | | |
| Dol | Slt | Fish | Trilobite | | | | |
| Feldspar | Sulphur | Foram | Worm | | | | |
| Ferrpel | Tuff | Fossil | Zoothdis | | | | |
| Glau | | Frag | Bivalve | | | | |
| Glas | | Gastro | Brachio | | | | |
| | | Oolite | Echinoid | | | | |

| | | | | | |
|---|---|---|---|---|---|
| STAINING | | TEXTURE | | | |
| Anhy | Oxra | Bmstn | Crystln | | |
| Arg | Pelec | Chlky | Fnxln | | |
| Carb | Pellet | Crsln | Grained | | |
| Chert | Plexdis | Fnln | Microxln | | |
| Coal | Prismdis | Grnln | Mudst | | |
| Dol | Quad | Mdxln | Packst | | |
| Glau | Shale | Mdln | Wackest | | |
| Grn | Shrub | Mrbl | | | |

| | | | |
|---|---|---|---|
| POROSITY | Vuggy | STAINING | Spotted |
| Earthy | | Rounded | Qtzrs |
| Fenest | SORTING | Subrnd | Quad |
| Fracture | Well | Subang | |
| Intcrystl | Moderate | Angular | |
| Moldic | Poor | | |
| Organic | | | |
| Pinpoint | | | |

| | | | |
|---|---|---|---|
| Mbrng | EVENT | | |
| Sastrg | Rft | | |
| TEXTURE | Sidewall | | |
| Crystln | | | |
| Crsln | | | |
| Fnln | | | |
| Fnxln | | | |
| Grained | | | |
| Grnln | | | |
| Microxln | | | |
| Mudst | | | |
| Packst | | | |
| Wackest | | | |

## OTHER SYMBOLS

| | | | |
|---|---|---|---|
| INTERVAL | | | |
| Core | | | |
| Dst | | | |

## OTHER SYMBOLS

| | | | |
|---|---|---|---|
| SHOW | | | |
| Even | | | |

Core Track 1
DIP and Azimuth

Porosity

Lithology

Geological Descriptions

TG C1-C5

C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)

Sample lagged by the geologist

3ft, gy ss/ gy, fine

3 ft, lacrself, f-crsln, mc, bwn, tan, tr/ w, pcs of dol fine, arn, pcs of dol fine, arn, tr/ w/ fine, tan, frags, pyr, ss

3ft, gy ss, gy dol/ gy ss, arg, gy dol/ gy ss, arg, sd/ w/ fine

3 ft, lsaff, lsm, lsc, lsd, wh, tn, f-crsln, fsn, chty-sub chalky, sdy

3 ft, lsm, lsc, lsd, gy, tn, f-crsln, soft, chty, sdy/ pcs of gy siltstone

3ft, wh, sdy, fnln, pyr/ln

3 ft, lsf/ch, f-crsln, mdd-sdd mdd, ccln, sandst, tr/pcs, sdy/ w/ pcs of gy, sdy, tr/ w/ pcs, wh, w/ pcs of lt bwn, gy, sdy, lsm, lsf, sdy, chty

3 ft, w/ch/ln, wh, fnln, gy, tr/ frags, pcs, tn, f-crsln, fsn, chty, sdy, w/ pcs of gy, sdy, w/ pcs, wh, w/ pcs of lt bwn, gy, sdy, lsm, lsf, sdy, chty

3ft, gy, gy, w/ch, pyr/ln

3 ft, lsm, lsc, lsd, wh/ frags, pcs, tn, f-crsln, fsn

3ft, gy, gy, w/ch, f-bldsn, pyr

3 ft, lsaff, f-crsln, lsc, lsd, dns

3ft, gy-wh, gy, fsn

3 ft, w/ch/ln, f-bwn, ch, v-fsn, f-crsln, fsn, w/ pcs of gy, sdy, w/ pcs, wh, w/ pcs, wh, w/ frags, pcs, tn

3ft, gy, gy, w/ch/ln, w/ch/ln, w/ pcs of gy, sdy, f-crsln, fsn, w/ pcs, wh, w/ frags, pcs, tn

3ft, gy, gy, w/ch/ln, w/ch/ln, w/ pcs of gy, sdy, f-crsln, fsn, w/ pcs, wh, w/ frags, pcs, tn

3 ft, lsm, lsc, lsd, wh/ frags, pcs, tn, f-crsln, fsn

3 ft, lsaff, f-crsln, lsc, lsd, dns

3ft, lsm, lsc, lsd, wh/ frags, pcs, tn, f-crsln, fsn

3 ft, lsaff, f-crsln, lsc, lsd, dns

3ft, gy, gy, w/ch/ln, w/ch/ln, w/ pcs of gy, sdy, f-crsln, fsn, w/ pcs, wh, w/ frags, pcs, tn

3ft, gy, gy, w/ch/ln, w/ch/ln, w/ pcs of gy, sdy, f-crsln, fsn, w/ pcs, wh, w/ frags, pcs, tn

3 ft, lsm, lsc, lsd, wh/ frags, pcs, tn, f-crsln, fsn

3 ft, lsaff, f-crsln, lsc, lsd, dns

3ft, lsm, lsc, lsd, wh/ frags, pcs, tn, f-crsln, fsn

3 ft, lsaff, f-crsln, lsc, lsd, dns

3ft, gy, gy, w/ch/ln, w/ch/ln, w/ pcs of gy, sdy, f-crsln, fsn, w/ pcs, wh, w/ frags, pcs, tn

3ft, gy, gy, w/ch/ln, w/ch/ln, w/ pcs of gy, sdy, f-crsln, fsn, w/ pcs, wh, w/ frags, pcs, tn

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