# FULL WAVE SONIC

# DHGH-14-32

**Century WIRELINE SERVICES**

| | |
|---|---|
| COMPANY | : ATRUM COAL |
| WELL | : DHGH-14-32 |
| WELL EXT | : |
| FIELD | : GROUNDHOG |
| COUNTY | : N/A |
| PROVINCE | : BRITISH COLUMBIA |
| COUNTRY | : CANADA |
| LICENSE | : N/A |
| U.W.I. | : N/A |
| LOCATION | N/A |

LSD: N/A SECTION: N/A TOWNSHIP: N/A RANGE: N/A

LATITUDE: N/A

LONGITUDE: N/A

| | |
|---|---|
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| WELL | DHGH-14-32 |
| WELL EXT | |
| FIELD | GROUNDHOG |
| COUNTY | N/A |
| PROVINCE | BRITISH COLUMBIA |
| COUNTRY | CANADA |
| LICENSE | N/A |

| | | | | | |
|---|---|---|---|---|---|
| PERMANENT DATUM | GL | | Elevations: | | Other Services: |
| DRL MEASURED FROM | GL | | KB | N/A M | NEU,DEN |
| LOG MEASURED FROM | GL | | DF | N/A M | DIP |
| ELEV. PERM. DATUM | GL | M | GL | N/A M | |

| | | |
|---|---|---|
| DATE | 08/01/14 02:32: | |
| DEPTH DRILLER | 359.34 | M |
| DEPTH LOGGER | 358.67 | M |
| FIRST READING | 22.98 | M |
| LAST READING | 334.80 | M |
| BIT SIZE | 97.00 | MM |
| CASING -- DRILLER | 8.22 | M |
| CASING -- LOGGER | 8.22 | M |
| CASING O.D. | N/A | CM |
| CASING THICKNESS | N/A | CM |
| CASING TYPE | SURFACE | |
| FLUID TYPE | H2O | |
| FLUID DENSITY | 1.01 | |
| FLUID VISCOSITY | N/A | |
| FLUID PH | N/A | |
| MUD SOURCE | DRILLER | |
| RM @ MEAS TEMP | N/A @ N/A C | |
| RMF @ MEAS TEMP | N/A @ N/A C | |
| RMC @ MEAS TEMP | N/A @ N/A C | |
| CIRC STOPPED | 06:30 | |
| ARRIVAL TIME | 07:10 | |
| DEPARTURE TIME | 07:00 | |
| RECORDED BY | JSTAPELEBRG | |
| REMARKS 1 | H2O LEVEL AT 30 M | |
| REMARKS 2 | | |
| REMARKS 3 | | |

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS


## SONIC 1:200 DHGH-14-32 08/01/14

### LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177

MAGNETIC DECL : 19.50 ELECT. CUTOFF : 99999 BIT SIZE : 97.00

PRESENTATION NAME/DATE = Atrum_9321.0 03/31/2014 Version 3.65 cp JJ92





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PRESENTATION NAME/DATE = Atrum_9321.0 03/31/2014 Version 3.65 cp JJ92


TOOL CALIBRATION DHGH-14-32 08/01/14 02:32:

TOOL 9321A2 TM VERSION 2

SERIAL NUMBER 2376

| | DATE | TIME | SENSOR | | STANDARD Point1 | STANDARD Point2 | RESPONSE [CPS] Point1 | RESPONSE [CPS] Point2 |
|---|---|---|---|---|---|---|---|---|
| 1 | Apr06,13 | 13:53:14 | GAMMA | [CPS] | Default | Default | Default | Default |