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# Cased Hole Logging Services

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## 1. STANDARD LOGGING SERVICES

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CCL - Casing Collar Locator  
GR/CCL - Gamma Ray / Casing Collar Locator  
GR/N/CCL - Gamma Ray / Neutron / Casing Collar Locator  
DDN/CCL - Dual Detector Neutron / Casing Collar Locator  
GR/DDN/CCL - Gamma Ray / Dual Detector Neutron / Casing Collar Locator  
CBL/CCL - Cement Bond Log/ Casing Collar Locator  
MAC-Multiarm Caliper  
SB/CCL - Sector Cement Bond Log/ Casing Collar Locator

## 2. PRODUCTION LOGGING (SEQUENTIAL)

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FD/CCL - Fluid Density / Casing Collar Locator  
FM/CCL - Flowmeter Log/ Casing Collar Locator  
P/CCL - Pressure Log/ Casing Collar Locator  
T/CCL - Temperature / Casing Collar Locator  
PH/CCL - Photon Log/ Casing Collar Locator  
PNN - Pulse Neutron Neutron

## 3. PL - LOGGING (SIMULTANEOUS)

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DCCL - Digital Casing Collar Locator  
GR- Gamma Ray  
T-Temperature P- Pressure FD - Fluid Density FM - Flowmeter Log 3AC - 3-Arm Caliper

## 4. AUXILIARY SERVICES

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FPI - Free Point Indicator  
BOF - Back Off  
TJC - Tubing & Casing Jet Cutters  
TP- Tubing Punchers  
DSC - Drill Collar Severing  
BPS-Bridge Plug Setting  
PS-Packer Setting  
JB/G - Junk Basket / Gage Ring

## 5. PERFORATING

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HSC - Hollow Steel Carrier (Port Plug Guns) STRIP - Expandable Retrievable Strip Guns TCP - Tubing Conveyed Perforating SGS - Scalloped Gun System

## 6. OTHER SERVICES

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Grease Injection System (Pressure Control)  
Mast Truck