WELL LOG
MUDLOGGING SERVICES
Drilling Fluid Data Sheet

Well Name: **WELLSITE GEOLOGY LTD**
Location: **WELLSITE GEOLOGY LTD** Well Number: **1**
Country: **NEW ZEALAND** Field: **WILDCAT PROJECT**
Rig Name: **DRILLING CONTRACTOR LTD** Rig Type: **LAND RIG**
Rig Number: **1** Drilling Contractor: **DRILLING CONTRACTOR LTD**
Spud Date: **1/1/2000** Time: **00:00**
Date/Time Logged: **1/1/2000 00:00** Logging Unit Number: **1**
Type of Drilling Fluid: **WATER BASED MUD**
Sample From: **Ditch** Sample Quality: **Fair**
Bit Record: **1** Bit Size: **12.25** Bit Type: **PDC**
From: **0** To: **1000** Hole Size: **12.25**
Casing Record: **1** Casing Size: **9.625** Casing Depth: **1000**
Drilling Fluid Engineer: **DRILLING FLUID TECH** Engineer's Phone No.: **0000000**
Drilling Fluid Additives: **CAUSTIC SODA, POLYMER, BARITE, BENTONITE, LIME** Hole Volume: **1000.00 Cubic Feet**

OPERATOR

Company: **WELLSITE GEOLOGY LTD**
Engineer: **WELLSITE GEOLOGY LTD**
P.O. BOX 48
NEW PLYMOUTH

PERSONNEL

Mudlogger: **WELLSITE GEOLOGY LTD, WELLSITE GEOLOGY LTD, GEOFF O'BRIEN**
Toolpusher: **DRILLING CONTRACTOR LTD**
Company Man: **WELLSITE GEOLOGY LTD**

TIMES

Spud: **1/1/2000 00:00**
Finish: **1/1/2000 00:00**

HOLE

Conductor	0 - 0	Surface Hole	0 - 1000
Intermediate	0 - 0	Production Hole	0 - 0
Liner	0 - 0	Open Hole	0 - 0

CASING

Conductor	0 - 0	Surface Casing	0 - 1000
Intermediate	0 - 0	Production Casing	0 - 0
Liner	0 - 0		

MUD PROPERTIES

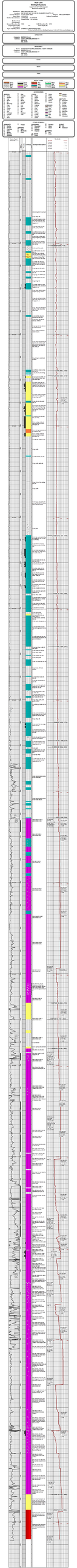
Mud Weight	0 - 0	Viscosity	0 - 0
Plastic Viscosity	0 - 0	Yield Point	0 - 0
Gel Strength	0 - 0	Filtrate	0 - 0
Cake Thickness	0 - 0	pH	0 - 0
Chlorides	0 - 0	Calcium	0 - 0
Sand Content	0 - 0	Solids	0 - 0
Oil Content	0 - 0	Water Content	0 - 0
Mud Temperature	0 - 0	Flow Rate	0 - 0
Pump Pressure	0 - 0	Pump Strokes	0 - 0
Annular Velocity	0 - 0	Bit Hydraulics	0 - 0
Bit Nozzles	0 - 0	Bit Pressure Drop	0 - 0
Bit Jet Velocity	0 - 0	Bit Impact Force	0 - 0
Bit Hydraulic Power	0 - 0	Bit Hydraulic Horsepower	0 - 0
Bit Hydraulic Horsepower per Square Inch	0 - 0	Bit Hydraulic Horsepower per Square Inch of Bit Area	0 - 0
Bit Hydraulic Horsepower per Square Inch of Annulus	0 - 0	Bit Hydraulic Horsepower per Square Inch of Annulus Area	0 - 0
Bit Hydraulic Horsepower per Square Inch of Annulus Area	0 - 0	Bit Hydraulic Horsepower per Square Inch of Annulus Area	0 - 0

DRILLING PARAMETERS

Weight on Bit	0 - 0	Rotary Speed	0 - 0
Torque	0 - 0	Drag	0 - 0
Rate of Penetration	0 - 0	Mechanical Specific Energy	0 - 0
Hydraulic Specific Energy	0 - 0	Total Specific Energy	0 - 0
Drilling Exponent	0 - 0	Corrected Drilling Exponent	0 - 0
Flow Exponent	0 - 0	Pump Output	0 - 0
Pump Efficiency	0 - 0	Volumetric Efficiency	0 - 0
Mechanical Efficiency	0 - 0	Overall Efficiency	0 - 0
Hydraulic Efficiency	0 - 0	Power Input	0 - 0
Power Output	0 - 0	Power Loss	0 - 0
Power Factor	0 - 0	Power Consumption	0 - 0
Power Cost	0 - 0	Power Cost per Foot	0 - 0
Power Cost per Hour	0 - 0	Power Cost per Day	0 - 0
Power Cost per Month	0 - 0	Power Cost per Year	0 - 0

GAS

Total Gas	0 - 0	Background Gas	0 - 0
Connection Gas	0 - 0	Trip Gas	0 - 0
Gas Ratio	0 - 0	Gas Units	0 - 0
Gas Peaks	0 - 0	Gas Shows	0 - 0
Gas Analysis	0 - 0	Gas Detection	0 - 0
Gas Alarm	0 - 0	Gas Monitoring	0 - 0
Gas Trap	0 - 0	Gas Vent	0 - 0
Gas Flare	0 - 0	Gas Separator	0 - 0
Gas Compressor	0 - 0	Gas Dehydrator	0 - 0
Gas Sweetening	0 - 0	Gas Storage	0 - 0
Gas Transmission	0 - 0	Gas Distribution	0 - 0
Gas Utilization	0 - 0	Gas Conservation	0 - 0
Gas Flaring	0 - 0	Gas Venting	0 - 0
Gas Reinjection	0 - 0	Gas Lift	0 - 0
Gas Cycling	0 - 0	Gas Blanketing	0 - 0
Gas Purging	0 - 0	Gas Scrubbing	0 - 0
Gas Metering	0 - 0	Gas Chromatography	0 - 0
Gas Mass Spectrometry	0 - 0	Gas Infrared Spectroscopy	0 - 0
Gas Ultraviolet Spectroscopy	0 - 0	Gas Nuclear Magnetic Resonance	0 - 0
Gas Electron Spin Resonance	0 - 0	Gas Fluorescence	0 - 0
Gas Phosphorescence	0 - 0	Gas Raman Spectroscopy	0 - 0
Gas Atomic Absorption	0 - 0	Gas Atomic Emission	0 - 0
Gas Atomic Fluorescence	0 - 0	Gas X-ray Diffraction	0 - 0
Gas X-ray Fluorescence	0 - 0	Gas Neutron Activation	0 - 0
Gas Radioisotope	0 - 0	Gas Radiochemistry	0 - 0
Gas Electrochemistry	0 - 0	Gas Polarography	0 - 0
Gas Coulometry	0 - 0	Gas Amperometry	0 - 0
Gas Potentiometry	0 - 0	Gas Conductometry	0 - 0
Gas Titrimetry	0 - 0	Gas Gravimetry	0 - 0
Gas Volumetry	0 - 0	Gas Thermometry	0 - 0
Gas Calorimetry	0 - 0	Gas Differential Thermal Analysis	0 - 0
Gas Thermogravimetry	0 - 0	Gas Differential Scanning Calorimetry	0 - 0
Gas Evolved Gas Analysis	0 - 0	Gas Emanation Thermal Analysis	0 - 0
Gas Thermomechanical Analysis	0 - 0	Gas Dynamic Mechanical Analysis	0 - 0
Gas Thermoptometry	0 - 0	Gas Thermoelectrometry	0 - 0
Gas Thermomagnetometry	0 - 0	Gas Thermosonimetry	0 - 0
Gas Thermoluminescence	0 - 0	Gas Thermoacoustimetry	0 - 0
Gas Thermodielectrometry	0 - 0	Gas Thermoelectrochemistry	0 - 0
Gas Thermoelectrochemical Analysis	0 - 0	Gas Thermoelectrochemical Titrimetry	0 - 0
Gas Thermoelectrochemical Gravimetry	0 - 0	Gas Thermoelectrochemical Volumetry	0 - 0
Gas Thermoelectrochemical Thermometry	0 - 0	Gas Thermoelectrochemical Calorimetry	0 - 0
Gas Thermoelectrochemical Differential Thermal Analysis	0 - 0	Gas Thermoelectrochemical Differential Scanning Calorimetry	0 - 0
Gas Thermoelectrochemical Evolved Gas Analysis	0 - 0	Gas Thermoelectrochemical Emanation Thermal Analysis	0 - 0
Gas Thermoelectrochemical Thermomechanical Analysis	0 - 0	Gas Thermoelectrochemical Dynamic Mechanical Analysis	0 - 0
Gas Thermoelectrochemical Thermoptometry	0 - 0	Gas Thermoelectrochemical Thermoelectrometry	0 - 0
Gas Thermoelectrochemical Thermomagnetometry	0 - 0	Gas Thermoelectrochemical Thermosonimetry	0 - 0
Gas Thermoelectrochemical Thermoluminescence	0 - 0	Gas Thermoelectrochemical Thermoacoustimetry	0 - 0
Gas Thermoelectrochemical Thermodielectrometry	0 - 0		

FORMATION

Formation	0 - 0	Lithology	0 - 0
Porosity	0 - 0	Permeability	0 - 0
Saturation	0 - 0	Resistivity	0 - 0
Conductivity	0 - 0	Dip	0 - 0
Strike	0 - 0	Fracture	0 - 0
Fault	0 - 0	Unconformity	0 - 0
Bedding	0 - 0	Cross Bedding	0 - 0
Ripple Marks	0 - 0	Mud Cracks	0 - 0
Fossils	0 - 0	Coal	0 - 0
Salt	0 - 0	Anhydrite	0 - 0
Gypsum	0 - 0	Dolomite	0 - 0
Limestone	0 - 0	Sandstone	0 - 0
Shale	0 - 0	Siltstone	0 - 0
Claystone	0 - 0	Conglomerate	0 - 0
Breccia	0 - 0	Chert	0 - 0
Igneous	0 - 0	Metamorphic	0 - 0
Volcanic	0 - 0	Intrusive	0 - 0
Extrusive	0 - 0	Pyroclastic	0 - 0
Tuff	0 - 0	Basalt	0 - 0
Andesite	0 - 0	Rhyolite	0 - 0
Obsidian	0 - 0	Pumice	0 - 0
Scoria	0 - 0	Lava	0 - 0
Magma	0 - 0	Ash	0 - 0
Dust	0 - 0	Smoke	0 - 0
Fog	0 - 0	Haze	0 - 0
Mist	0 - 0	Rain	0 - 0
Snow	0 - 0	Hail	0 - 0
Sleet	0 - 0	Frost	0 - 0
Dew	0 - 0	Ice	0 - 0
Water	0 - 0	Oil	0 - 0
Gas	0 - 0	Condensate	0 - 0
Hydrocarbon	0 - 0	Petroleum	0 - 0
Natural Gas	0 - 0	Coal Bed Methane	0 - 0
Shale Gas	0 - 0	Tight Gas	0 - 0
Geothermal	0 - 0	Hydrothermal	0 - 0
Petrothermal	0 - 0	Hot Dry Rock	0 - 0
Hot Wet Rock	0 - 0	Enhanced Geothermal System	0 - 0
Deep Geothermal	0 - 0	Shallow Geothermal	0 - 0
Ground Source Heat Pump	0 - 0	Direct Use	0 - 0
Electricity Generation	0 - 0	Combined Heat and Power	0 - 0
Binary Cycle	0 - 0	Flash Steam	0 - 0
Dry Steam	0 - 0	Organic Rankine Cycle	0 - 0
Kalina Cycle	0 - 0	Supercritical Fluid	0 - 0
Subcritical Fluid	0 - 0	Working Fluid	0 - 0
Heat Exchanger	0 - 0	Condenser	0 - 0
Evaporator	0 - 0	Turbine	0 - 0
Generator	0 - 0	Pump	0 - 0
Compressor	0 - 0	Expander	0 - 0
Recuperator	0 - 0	Regenerator	0 - 0
Preheater	0 - 0	Superheater	0 - 0
Reheater	0 - 0	Intercooler	0 - 0
Aftercooler	0 - 0	Economizer	0 - 0
Deaerator	0 - 0	Blowdown	0 - 0
Feedwater	0 - 0	Steam	0 - 0
Condensate	0 - 0	Cooling Tower	0 - 0
Cooling Water	0 - 0	Makeup Water	0 - 0
Blowdown Water	0 - 0	Wastewater	0 - 0
Effluent	0 - 0	Emission	0 - 0
Pollution	0 - 0	Environmental Impact	0 - 0
Mitigation	0 - 0	Monitoring	0 - 0
Reporting	0 - 0	Regulation	0 - 0
Permit	0 - 0	Compliance	0 - 0
Enforcement	0 - 0	Penalty	0 - 0
Fine	0 - 0	Lawsuit	0 - 0
Settlement	0 - 0	Arbitration	0 - 0
Mediation	0 - 0	Litigation	0 - 0
Appeal	0 - 0	Judgment	0 - 0
Verdict	0 - 0	Sentence	0 - 0
Probation	0 - 0	Parole	0 - 0
Imprisonment	0 - 0	Execution	0 - 0
Death Penalty	0 - 0	Life Imprisonment	0 - 0
Fixed Term Imprisonment	0 - 0	Suspended Sentence	0 - 0
Community Service	0 - 0	Restitution	0 - 0
Compensation	0 - 0	Damages	0 - 0
Punitive Damages	0 - 0	Nominal Damages	0 - 0
Compensatory Damages	0 - 0	Consequential Damages	0 - 0
Incidental Damages	0 - 0	Liquidated Damages	0 - 0
Statutory Damages	0 - 0	Treble Damages	0 - 0
Attorney's Fees	0 - 0	Court Costs	0 - 0
Expert Witness Fees	0 - 0	Deposition Costs	0 - 0
Discovery Costs	0 - 0	Trial Costs	0 - 0
Appeal Costs	0 - 0	Settlement Costs	0 - 0
Arbitration Costs	0 - 0	Mediation Costs	0 - 0
Litigation Costs	0 - 0	Total Costs	0 - 0