



COMPANY Sierra
 WELL 26-19 ST1
 FIELD Alum
 COUNTY/STATE Esmeralda/Nevada
 WELL HEAD COORDINATES
 37.91N, 117.67W Sect29, T1N, R38.5E
 ELEVATION 4993.57' /1522.04m
 SPUD DATE 2/23/10
 TD DATE 3/9/10
 TOTAL DEPTH 1341.1m
 TRUE VERTICAL DEPTH 1341.1m
 TD LOCATION 000°N, 000°E of wellhead
 CONTRACTOR/RIG Xtreme 4
 COMPANY REPRESENTATIVE Jerry Hamblin, Rod Bray

LOG INTERVAL
 DATE LOGGED 2/23/10 TO 3/9/10
 DEPTH LOGGED 27.43m TO 1341.1m
 MUD DRILLING 27.43m TO 1341.1m
 AIR DRILLING N/A TO N/A
 LOG SCALE 1:1000 UNIT NO. T1
 LOGGING GEOLOGISTS
 Lamont, Schepflin
 Feinburg

HOLE				CASING				
311.2"	TO	245.3'		177.8"	FROM	0'	TO	243.8'
155.6"	TO	1341.1'		114.3"	FROM	0'	TO	1071.1'
	TO				FROM		TO	
	TO				FROM		TO	
	TO				FROM		TO	
ABBREVIATIONS				SYMBOLS				
NB	New Bit		BHT	Bottom Hole Temp				
RRB	Re-run Bit		C	Carbide Test				
CB	Core Bit		NR	No Returns				
WOB	Weight On Bit		LAT	Logged After Trip				
SPM	Strokes per Minute		CFM	Cubic Feet per Min				
PP	Pump Pressure		BUT	Bottoms Up Temp				
RPM	Revolutions per Min							
LITHOLOGY				REMARKS				
Alluvium		Tuff		All depths from KB= 3.81 m				
Siltstone		Breccia		ml= Matthew Lamont as= Andrew Schepflin				
Sandstone		Limestone						
Conglomerate		Dolomite						
Mylonite		Marble						
Quartzite		Schist						
Quartz Veins		Undiff Carbonates						
Rhyolite		Dike						
Diorite		Altered Zone						
Tuff Seds								
SECONDARY MINERALS								
Q	= Quartz		Rare	<< 1%				
C	= Calcite		Trace	< 1%				
P	= Pyrite		Minor	1% to 4%				
Pr	= Pyrrhotite		Common	4% to 7%				
H	= Hematite		Abundant	7% to 10%				
Ch	= Chlorite			> 10%				
Cl	= Clay							
S	= Sulfur							
A	= Alum (Alunite)							

Tecton Geologic				Alum 26-19			Scale 1: 1000
Drilling Data		Lithology	Minerals	Temperatures		Circulation	Descriptions
200	ROP m/hr	Depth (m)		Temperature In 0 deg C	Pit Total 100 kPa	Pump Pressure 20000 kPa	
0	Weight on Bit kg X 1000	80					









