**Utah Geological Survey**  
**Lithologic Log**

**Well ID:** SG21A  
**Well Location:** North Springs at Fish Springs National Wildlife Refuge

**UTM:** x 293645 m, y 4417959 m NAD 83 (zone 12N)

**Start Date:** 12/7/8  
**Completion Date:** 12/7/8  
**Driller:** USGS Central Region Drilling

**Drilling Method:** Geoprobe  
(from 0 to 35’)  
(from 35’ to Total Depth)

**Static Water Level:** 7.79’

**Ground Elevation:** 4315’

**Logged By:** Matt Affolter, UGS

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**DEPTH** | **LITHOLOGY** | **WELL DIAGRAM** | **DRILLING INFO** | **LITHOLOGY DESCRIPTION**
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0-3 | Soil | | | 0-3 -- Soil
3-9 | Tan/brownish clay | | | 9-10 -- Dark brown/black clay
10-13 | Brown clay | | | 10-13 -- Brown clay
13-18 | Greenish tan clay with gravel (limestone?) chunks | | | 13-18 -- Greenish tan clay with gravel (limestone?) chunks
18-27 | Coarse gravel, mostly black dolomite | | | 18-27 -- Coarse gravel, mostly black dolomite
27-28 | Tan clay | | | 27-28 -- Tan clay
28-31 | Finer gravel and sand, with clay | | | 28-31 -- Finer gravel and sand, with clay
31-32 | Tan-orange clay | | | 31-32 -- Tan-orange clay
32-35 | BEDROCK* -- Weathered dolomite (?) with clay, very tight | | | 32-35 -- BEDROCK* -- Weathered dolomite (?) with clay, very tight

*To test if this is in fact bedrock, we drilled a pilot hole with the geoprobe toward the range front, 10’ west, and hit hard substrate at 29’. A similar test 40’ west hit the substrate at 25’.

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*WIN=432029*