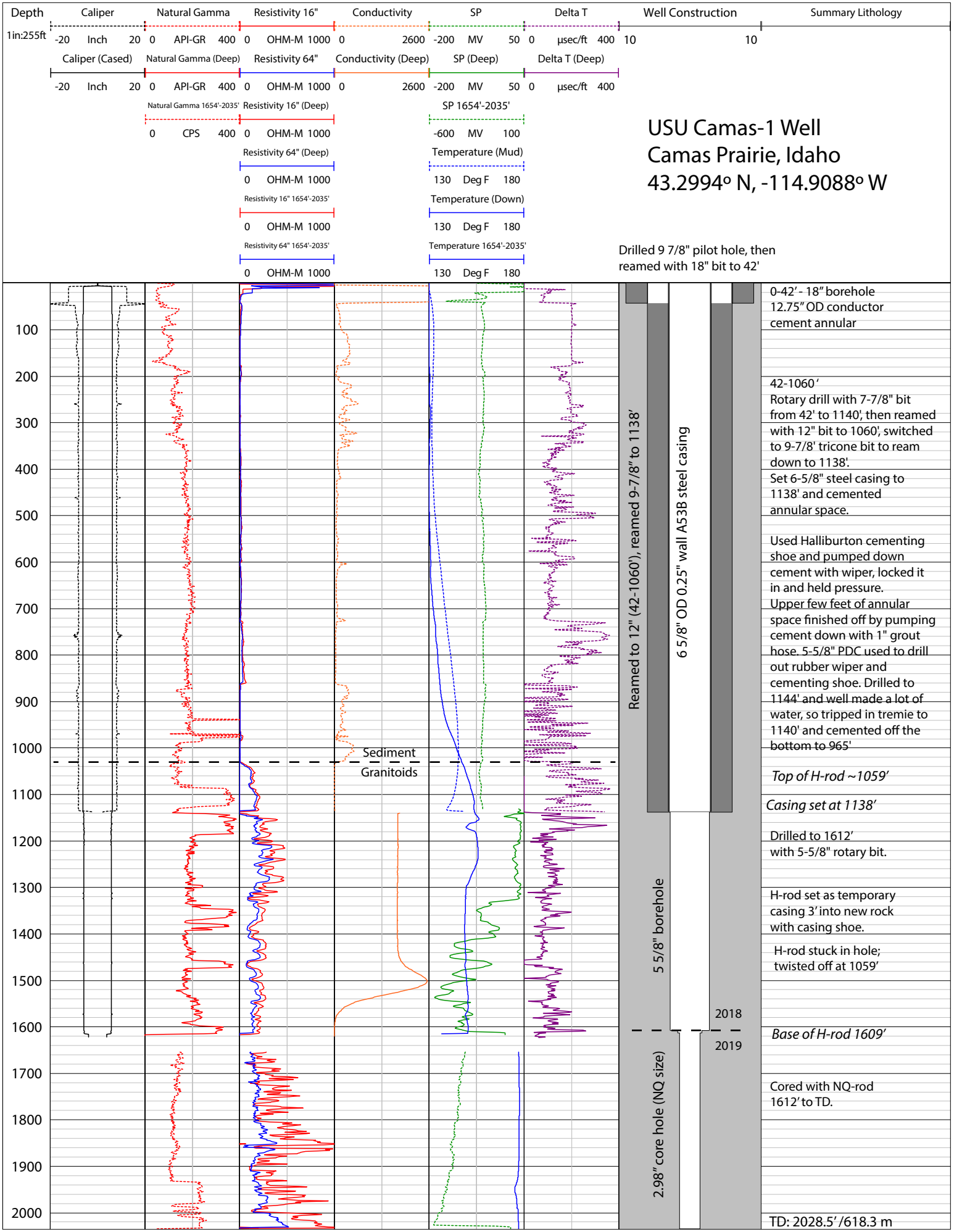
Depth
1in:255ft
Caliper
-20 Inch 20
Caliper (Cased)
-20 Inch 20
Natural Gamma
0 API-GR 400
Natural Gamma (Deep)
0 API-GR 400
Natural Gamma 1654'-2035'
0 CPS 400
Resistivity 16"
0 OHM-M 1000
Resistivity 64"
0 OHM-M 1000
Resistivity 16" (Deep)
0 OHM-M 1000
Resistivity 64" (Deep)
0 OHM-M 1000
Resistivity 16" 1654'-2035'
0 OHM-M 1000
Resistivity 64" 1654'-2035'
0 OHM-M 1000
Conductivity
0 2600
Conductivity (Deep)
0 2600
SP
-200 MV 50
SP (Deep)
-200 MV 50
SP 1654'-2035'
-600 MV 100
Temperature (Mud)
130 Deg F 180
Temperature (Down)
130 Deg F 180
Temperature 1654'-2035'
130 Deg F 180
Delta T
0 µsec/ft 400
Delta T (Deep)
0 µsec/ft 400
Well Construction
10
10
Summary Lithology
USU Camas-1 Well
Camas Prairie, Idaho
43.2994° N, -114.9088° W
Drilled 9 7/8" pilot hole, then reamed with 18" bit to 42'
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
Sediment
Granitoids
Reamed to 12" (42-1060'), reamed 9-7/8" to 1138'
6 5/8" OD 0.25" wall A53B steel casing
5 5/8" borehole
2.98" core hole (NQ size)
2018
2019
0-42' - 18" borehole
12.75" OD conductor
cement annular
42-1060'
Rotary drill with 7-7/8" bit from 42' to 1140', then reamed with 12" bit to 1060', switched to 9-7/8' tricone bit to ream down to 1138'.
Set 6-5/8" steel casing to 1138' and cemented annular space.
Used Halliburton cementing shoe and pumped down cement with wiper, locked it in and held pressure.
Upper few feet of annular space finished off by pumping cement down with 1" grout hose. 5-5/8" PDC used to drill out rubber wiper and cementing shoe. Drilled to 1144' and well made a lot of water, so tripped in tremie to 1140' and cemented off the bottom to 965'
Top of H-rod ~1059'
Casing set at 1138'
Drilled to 1612' with 5-5/8" rotary bit.
H-rod set as temporary casing 3' into new rock with casing shoe.
H-rod stuck in hole; twisted off at 1059'
Base of H-rod 1609'
Cored with NQ-rod 1612' to TD.
TD: 2028.5'/618.3 m