

Well 4 Lease Gallegos Canyon UnitOperators Benson & Montin

Core #1: 1541-1598 Cored 57', recovered 53'.

Medium to fine grained sandstone, bleeding some gas. Strong odor of typical Pictured Cliffs formation water on fresh break. Only one shale break was found in entire core.

(1556-58, Layered shale and sand partings and carbonaceous sandy shale.)

Core Head: 5 $\frac{1}{4}$ " O.D. Diamond bit, purchased from Christensen.

Mud: Native mud with aquagel, soda ash, quebracho and driscose added.

Water 9.4# per gallon;

Viscosity 65 Sec.;

Water loss 7 cc.

Coring time: See Drilling time record (L).

Core #2: 1598-1618 Cored 20', recovered 5'.
Unrecovered 15' of core found on bottom by Schlumberger. Core same as above.

Core Head: Same as above.

Mud: Same as above, viscosity increasing to 110 sec. at TD 1618.

Coring Time: See Drilling Time Record (L).

Well #1 Lease Gallegos Canyon Unit
Operators Benson & Montan

Core #1:

151-1598

Cored 57', recovered 53'.

Medium to fine grained sandstone, bleeding some gas. Strong odor of typical Pictured Cliffs formation water on fresh break. Only one shale break was found in entire core.

(155-58, layered shale and sand partings and carbonaceous sandy shale.)

Core Head: 2 1/2" O.D. Diamond bit, purchased from Christensen.

Native mud with angular, soda ash, gneiss and bitaceous shales.

Water 9.14 per gallon;
Viscosity 52 sec;
Water loss 7 cc.

Coring time: see Drilling time record (1).

Core #2:

158-1618

Cored 20', recovered 21'.
Unrecovered 15' of core found on bottom by Schlumberger. Core same as above.

Core Head: same as above.

Mud: same as above, viscosity increasing to 110 sec. at TD 1618.

Coring Time: see Drilling Time Record (2).