

## CORE DESCRIPTION - LEONARD LILE NO. 1

## Oil Developers, Incorporated

SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 27, T. 25 S., R. 7 W.  
Douglas County, OregonCores 3"  
unless other  
spec.January 2, 1952  
G. M. ValentineCore No.

- 1  
972-989 17' dark gray sdy. slst. friable. 1" silty. sst. layers. Carb. frags. Dip 25° fair in upper 2'. Dip at 983' is 35° good. Some slickensiding and calcite veinlets. Small mica flakes. Scattered and fish remains.
- 2  
1520-1550  
Rec. 30' 4' dark gray sdy. slst. 1' lt. gray fine-grained sst. Carb. streaks. Dip 32° good. Small-scale crossbedding. 25' dark gray sdy. slst. with crossbedded light gray beds of silty sst. 1" to 3" thick 75% slst. Dip at 1535' is 32° good. 3" fine-grained firm calc. sst. at 1546'. No or observed.
- 3  
2317-2334 Dark gray sdy. slst. with thin fine-grained lt. gray silty sst. streaks. Carb. frags. Fish remains (?). Broken frags. Dip 40° fair.
- 4  
2384-2414 Dark gray friable sdy. slst. with  $\frac{1}{4}$ " to 1" fine-grained sdy. streaks. Carb. frags. Fish remains (?). Dip at several places in interval, 80° good. Two 2" crossbedded sst. beds at bottom of core. Dip 75° good. Slickensiding.
- 5  
2900-2915  
Rec. 2 $\frac{1}{2}$ " Firm to hard dark gray calc. sdy. slst. and crossbedded silty. sst. Dip 23° fair. Carb. frags. (?). Fish remains (?).
- 6  
3391-3414 1' dark gray sdy. firm slst. 1' gougy breccia. 8' of thin-bedded medium- to coarse-grained light gray poorly-sorted sst. and dark gray to black slickensided slst. 50-50. Sst. is crossbedded. Carb. frags. abundant. Sst. and slst. firm to hard. Dip approx. 15°.
- 7  
3721-3727  
Rec. 6'  
1 $\frac{1}{2}$ " core Dip 20° fair. Firm to hard dark gray slst. fractured and slickensided.
- 8  
4477-4492 5' dark gray slst. firm to hard. Hard limy concretion frags. One 6" lt. gray hard calc. fine-grained sst. bed. Dip 25° fair. Carb. frags. 5' sst. as in 6" bed. Poorly-sorted firm to hard. 3' firm to hard dark gray slst. sdy. streaks. Slickensided.
- 9  
4945-4969  
Rec. 0' Sloughed sst. and slst. mixed with drilling mud.
- 10  
5452-5470 Firm dark slst. Slickensided and fractured. No reliable dips.
- 11  
6017-6031 Dip 58° good. Dark gray firm to hard slst. with thin sdy. streaks. Carb. frags. Fish remains (?).
- 12  
6383-6401  
Rec. 7' Slickensided slst. as above with 8" of hard calc. fine-grained sst. Thin calcite veinlets. Pelecypod frags.
- 13  
6666-6688  
Rec. 18' Firm to hard calc. sdy. slst. dark gray. Slickensided. Dip 20-25° fair.
- 14  
6688-6709  
Rec. 5' Firm to hard dark sdy. slst. with 1' of brecciated gougy slst. Dip approx. 10°.
- 15  
6986-6994  
Rec. 2' Loose frags. of hard dark gray slickensided slst. May be sloughed.
- 16  
6994-6999  
Rec. 2' Hard dark gray fractured and slickensided slst.

Note: Section largely borderline between sdy. slst. and silty. sst.