Core Record

County Lake Field Thomas Creek Area Lease D. J. Leavitt Well No. 1

No.	From	To	Cut	Rec.	Description	Show
1	7394	7409	15'	11'	100% dark blue gray shale. Thin veinlets and patches up to 1" in length of black carbonaceous material found throughout the core. Brittle. Possible dip 25-30°. Pyrite is finely disseminated through the core but is more concentrated in the carbonaceous material. Conchoidal fractures common in the upper 7 feet, less so in the bottom 4 feet. Bottom 4 feet more blocky in appearance - possibly more silty. Few fractures in the larger pieces dip 30-80°. Thin calcite veinlets rare. Slicken sides common in the upper 7 feet. No visible fossils.	N.S.
2	8887	8894	7'	5'	100% dark gray, med. grained basalt or diabase. Grain size up to 2 mm. in length; average grain size 1 mm. Pyrite finely disseminated throughout. Small shiny black crystals of magnetite (?) are common. Calcoreous. The most prominent fractures are high angle - 75° to 90°. There are also minor fractures averaging 20°. Thin plates of calcite are common along fractures.	N.S.

Petrographically:
Predominatly zoned feldspar - labrodorite?
10% Chlorite
10% Calcite
10% Magnetite
1-2% quartz
20% unidentified alteration products - some zeolites

3	9539	9542	3'	N.R.		
4	9576	9579	3'	1 1/2'	100% dark gray to grayish black, dense, phanitic basalt. Plagioclase phenocrysts to 1/8" in length, occur only rarely throughout the core. Disseminated pyrite very rare. Small shiny black crystals of magnetite are common. Calcoreous. High angle fractures - 50° to 90° - are common.	N.S.