INTERVAL SHEET

WWCR 31

| Page 1 | | VDMR Well No | .:1371 | | |
|---|---------------|----------------------|--------------------------------|---------|--|
| | 65 | | Sample Interval: from 18 to 70 | | |
| PROP: N. K | . Tholand # 2 | Total depth_ | Total depth 70 | | |
| COMP: C. R | . Moore | OilGas | OilGasWater_X_Exploratory | | |
| COUNTY: Rappahannock (Sperryville) VDMR WELL NO: W-1371 | | Cuttings_X_CoreOther | | | |
| | | WASHED SAMPI | ES | | |
| From-To | From-To | From-To | From-To | From-To | |
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| _ | _ | 18_ 20 | _ | - | |
| - | - | 20_ 30 | - | - | |
| - | - | 30_ 40 | - | - | |
| - | - | 40_ 50 | - | 1 | |
| | _ | 50_ 60 | _ | | |
| _ | _ | 60_ 70 | _ | - | |
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OWNER: N. K. Tholand (Piedmont Farm Well # 2)

DRILLER: C. R. Moore

COUNTY: Rappahannock (Sperryville)

VDMR WELL # 1371 WWCR WELL # 31 Total Depth : 75

GEOLOGIC LOG

0-18

No Sample

Pedlar Formation (18-70')

18-20 Flaser Gneiss - white to medium-gray, very-coarse to fine-grained, anhydral cataclastic texture; alkali and saussuritized plagioclase, deep-blue to colorless quartz, fine-grained sericite and biotite; minor pale orange weathering

stain.

20-30 As above - slight banding, less weathering.

Flaser Gneiss - white to medium-blue-gray, very coarse to fine-grained, cataclastic texture; anhedral crystals and fragments in a mortar structure, very faint banding; alkali-feldspar, saussuritized plagioclase, deep blue to colorless guartz, fine grained muscovite and biotite.

40-50 As above - more fine grained groundmass.

50-60 Flaser Gneiss (freshly fractured) - sample is as above with fractures; abundant tiny euhedral pyrite crystals on fracture surfaces; slight orange iron oxide stain; minor

pale orange kaolinized gneiss.

Flaser Gneiss - light gray to medium-bluish-greenish-gray, medium grained, faintly banded; alkali-feldspar,

gray, medium gramed, family banded, alkali-le

quartz muscovite, biotite.

Gneiss - pale-bluish-gray with minor medium-dark-greenish-gray; alkali-feldspar, gray and deep-blue quartz, minor

plagioclase, sericite, biotite and pyrite.

GEOLOGIC SUMMARY

ROCK UNIT

TIME ROCK UNIT

0-18 No Sample

19-70 Pedlar Formation

Precambrian ?

Virginia Division of Mineral Resources Hollis N. Walker, Geologist September 28, 1965