RMIT No. 358

Stauffer Farms #35-1 (Second Hole) NW4 Sec 35, T 4S, R 1W Marion County

fragments.

DAMON PETROLEUM COMPANY, INC.

Hubbard Prospect

0 - 25'

85 - 90'

185 - 190'

210 - 235'

285 - 300'

300 - 306'

Sandy Silt; bron color, soft, feldspathic composition, approximately 15% basalt frags.

DESCRIPTION OF DRILL CUTTINGS

25 - 60' Silt; tan color, soft, appears to have the same composition as the above sample.

60 - 70' Silt; as above described.

Very Fine Sandy Silt; gray color, soft, feldsp-70 - 85' athic composition, approximately 40% basalt

90 - 110' Fine Silty Sand; black color, soft, with fine-med. size grains of subangular basalt. Some interbeds of greenish gray, sticky clay.

Very Fine Sandy Silt; as above described.

110 - 120'

Sand; med. gray color, soft, med.-coarse grains of basalt, subangular, and fragments of light colored volcanic tuff.

120 - 135' Sand; med. - dark gray, loose, consisting of angular grains of basalt in a silty matrix.

135 - 160' Sand; as above described, some interbedded greenish gray clay, a few scattered fine size fragments of light gray, hard volcanic tuff.

160 - 165' Clay; dark greenish gray, very sticky.

165 - 185' Sand; grayish black, loose, consisting of sub-

rounded, fine - med. size grains of basalt and some fine - med. size fragments of med. - light gray colored volcanic tuff. Probably a water zone.

Stauffer Farms #35-1 Second Hole

Gravel; dark gray, consisting of subangular

pebbles of basalt, some fragments of volcanic

of basalt and basalt pebbles. Basalt pebbles are subrounded to subangular, a med. gray silty

Gravel; as above described. Lost mud circulation

Gravel; dark gray - black, consists of subround-

V. Newton

STATE

Sand; dk gray, fine - medium grained, basaltic,

Mudstone; dk gray, firm - med soft, and inter-

Mudstone and Clay; dk grn gray, sticky, soft-

one frag of brn black waxy substance (contamination?), one frag of white silic. material.

Mudstone; med-dk gray, firm, silty, argillac., some coal and blk organic matter, some white

Mudstone; dk grn gray, silty, argillac., firm.

Siltstone; med - dk gray, firm, argillaceous,

Siltstone; med dk gray, soft argillaceous.

Sandstone; med gray, fine grained, firm -

of basalt and some feldspar, clayey matrix,

Mudstone; med dk grn gray, argillaceous, firm-

Basalt; black, partially altered, some zeolite.

v firm, tuffaceous, consisting of angular grains

Basalt & Basaltic Tuff; black - brownish black,

basalt partly altered, basaltic tuff with fine

Basalt; dk gray - black, hard, partly altered,

Tuff and Volc Ash; dk brn gray, hard tuff, and

some thin interbeds of med-dk gray shale and

Basalt; dk gry-black, hard, partly altered,

Basalt; dk gray - black, slightly altered,

Basalt and Volcanic Ash; black, partly altered, with veinlets of zeolite and quartz, some pieces of calcite, also some grayish white volcanic ash containing minute black fragments, not calc.

Shale; med grn gray, silty, slightly tuffaceous,

Basaltic Tuff & Volc Ash; brownish black, fn grained basaltic tuff, hard, and grayish white volcanic ash, containing minute black frags and laminae of black organic matter in a feldspathic

Basalt and Basaltic Tuff; dk gry-black, partly

altered, hard basalt, and brownish black basaltic tuff (some resinous brown walnut hulls used for

Shale; med grn gray, soft-firm, slightly tuffac.

Volcanic Ash; med gray, firm, with minute black fragments in a grayish white feldspathic matrix.

Basalt (flow breccia); black, hard, partly altered, aphanitic-microcrystalline with occas. veinlets

Shale; med gray, slightly tuffaceous, firm -

matrix with numerous small black frags, some pieces of shale, claystone and red cinders.

Shale and Siltstone; med grn gray, fairly soft,

Sandstone; lt-med gray, v. fine grained, feld-

grains of quartz and feldspar, some tuffac. material, some glauconite, fairly calcareous.

as thin seams, some med-dk gray silty shale,

Shale; dull brownish black, silty, abundant

white shell fragments, firm-v. firm, some med. grn gray silty shale, some glauconite, some coal.

Siltstone; med gray, firm, slightly tuffaceous, feldspathic-arkosic, rare mica flakes, some sandy

Sandstone; loose grains, fine -med size, anglsubangular grains of clear quartz, feldspar and occasional piece of coal. Some pieces of med-dk gray shale and siltstone. No hydrocarbon fluorescence. Sandstone; light gray, v, fine grained, arkosic-

feldspathic, partly cemented with lime, some fine size pieces of black organic material, abundant

Shale and Siltstone; as interbedded strata, abund-

and shell fragments. Specs of dull gold fluoresc-

Shale; med gray, firm, argillaceous, and dk gry-black, firm-v. firm, abundant shell fragments, some lt gray and dk gray, firm

Sandstone; lt gray, fn-med, silty, composition

as above, some coal frags, calcareous . Some

and quartz, subangular, some glauconite, some

Shale; black, v. firm, occasional shell frags.

Shale; black, firm, some pyrite, some coal, prob

loose grains, fine size, arkosic-

Basalt and Volc Ash; dk gry-black, micro-xstalline, slightly altered,, hard, some brownish black tuff

fracture surfaces covered with grayish white

Sandstone; med-dk gray, soft, silty, friable,

Sand; basaltic, med grained, clayey matrix.

beds of dk brn gray, brittle shale, losing some

Clay; dk grn gray, soft, sticky, losing mud.

Shale and Mudstone; med - dk gray, firm,

ERMIT No. 358

Sand; dark gray, consisting of med. size grains, 190 - 210' angular - subangular, in a clayey matrix. Prob a water bearing zone.

Sand; as above described.

tuff. Probably water bearing. Gravel loosely packed, hard to drill. 235 - 260' Sand and Gravel; dark gray color, loosely packed, consists of med. - coarse size grains

260 - 285' Gravel; consists of grayish black, subround to subangular pebbles of basalt in a clayey silt matrix. Clay bed near bottom. Probably a water bearing zone.

when drilling through this zone.

matrix. Probably a water zone.

subangular pebbles of basalt. Probably a water bearing zone. 306 - 335' Clay; med. - dark greenish gray, heavy, very sticky.

Consulting Geologist

356 - 431' Clay; med-dk gray, sticky, losing mud.

Mudstone; dk grn gray, soft - firm.

brittle shale, losing some mud.

some clay as above.

DAMON PETROLEUM COMPANY, INC.

mud.

volc ash.

material, some coal.

Stauffer Farms #35-1 (Second Hole)

Hubbard Prospect

Marion County

431 - 456'

456 - 530' 530 - 560'

560 - 610'

610 - 675**'** 

675 - 690'

690 - 700'

800 - 920'

920 - 951'

976 - 1015' 1015 - 1020'

PAGE 2

1020 - 1040'

1061 - 1116' 1116 - 1296'

1296 - 1313'

1313 - 1323'

1323 - 1365'

1440 - 1466'

1466 - 1490'

1490 - 1526'

1561 - 1611'

PAGE 3

1641 - 1765'

1765 - 1780'

1780 - 1815'

1815 - 1844'

1844 - 1890'

1890 - 1924'

1945 - 1975'

1975 - 1994'

1994 - 2094'

CUTTINGS DESCRIPTIONS

argillaceous.

Sandstone;

pyrite.

PAGE 4

2159 - 2180'

2180 - 2220'

2300 - 2330'

2330 - 2380'

2380 - 2430'

2430 - 2445'

2490 - 25101

2510 - 2525'

PAGE 5

2550 \_ 2570 '

2580 - 2595'

CUTTINGS DESCRIPTIONS

 $NW^{\frac{1}{4}}$  Sec 35, T 4S, R 1W

Mudstone; dk grn gray, firm, occasional piece 700 - 725' of brown colored tuff. 725 - 800'Mudstone and Siltstone; med gray, firm, and dk gray, tuffac., clayey siltstone, soft-firm,

Siltstone; med gray, firm-soft, with some small coal frags. Sandstone; med gray, fn-med grained, subround-951 - 976' subangular grains of quartz glass and volcanic

in grained, with clear quartz grains and voic. material, clayey matrix.

with fine black particles of coal. 1040 - 1061' Mudstone; med gray, argillaceous, firm, with small fragments of coal probably representing thin coal seams.

very firm, some coal fragments.

fragments of basalt and zeolite, zeolite probably as veinlets in tuff breccia. Basalt, Basaltic Tuff & Volc Ash; blk - brn blk, 1365 - 1440' with some gray-white volcanic ash containing v. small frags of black mineral.

silica and zeolite.

and basaltic siltstone.

some fn sandy shale.

matrix.

and grayish white volcanic ash.

controlling lost circulation).

Calcareous.

volc ash.

material.

hard.

1526 - 1541' Basalt & Basaltic Tuff; dk gray - black, with grayish white veinlets of quartz and zeolite. 1541 - 1561' Volcanic Ash; med gray, with minute black frags in a grayish white matrix of feldspathic

grayish white volcanic ash as before.

CUTTINGS DESCRIPTIONS 1611 - 1641' Shale and Siltstone; med gray, fn sandy, firm,

## 1924 - 1945' Basalt and Basaltic Tuff; black and brownish black, basalt micro-crystalline-aphanitic, tuff fine grained, firm-hard. This rock could be described as a flow breccia.

of milky white quartz and zeolite, some brown-blk basaltic tuff, few pieces of turquoise green glauconite? <u>Volcanic Ash</u>; lt-med gray, fine, feldspathic 2094 - 2159'

soft, some med-dk gray siltstone.

spathic, silty, slightly tuffaceous and fn sandy siltstone. 2220 - 2300' Sandstone; loose grains, fine-med size, subangl.

siltstone, not calcareous. 2445 - 2460' Shale; black, firm, with abundant white shell fragments, some coal fragments. 2460 - 2490'

abundant white shell fragments.

feldpathic, some glauconite.

ence and faint pale blue fluorescence. 2525 - 2550' Sandstone; It gray, fine, silty, consisting of angl grains of feldspar and quartz, some pieces of coal.

siltstone. 2570 - 2580' Sandstone; loose grains, fn-med size, silty, angl-subangl quartz and feldspar, abundant pyrite, calcareous.

## specs of dull gold fluorescence, some faint pale blue fluorescence. Shale; med-dk gray, firm, occasional shell frags, 2595 - 2607' some coal frags. Faint pale blue fluorescence

CUTTINGS DESCRIPTIONS

2607 - 2620' Sandstone; loose grains and frags of fine silty sandstone, arkosic composition, fine - medium size loose grains, slightly calcareous.

2620 - 2640' Shale; med-dk gray, and dull black, some brn gray, silty, slightly tuffaceous, some glauconite, some coal. 2640 - 2660' Sandstone; loose grains, med size, of feldspar

calcite. 2660 - 2690' Sandstone; lt-med gray, fn-med grained, silty, consisting of feldspar and quartz, some volc.

2752' Total Depth

some coal, abundant glauconite.

V.C. Newton Jr Final Typing 1/19/87

in cuttings.

## frags, some coal. 2690 - 2707' Shale; med-dk gray and dull black, firm - v firm. 2707 - 2727Sandstone; lt-med gray, med grained,firm, consisting of feldspar and quartz, argillac.,

2727 - 2752'