

Stephen J. Miller
P. O. Box 4056
Lawrence, KS

March 19, 2001

K L M Exploration, Inc.
P. O. Box 152
McLouth, Kansas 66054-0151

#3 McLeod-Wagner
1380' FSL 3150' FEL
Sec. 4 T10S R20E
Jefferson Co., Kansas

This sample examination was made at the location on March 14, 2001. Ten foot samples were caught from 1400 to 1602.

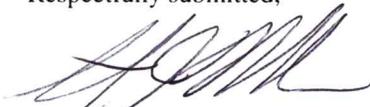
- 1410 shale, gray, green, brown, sli. silty, sli. mica., pyritic
- 1420-1440 shale, gray, green, brown, sli. silty, sli. mica., pyritic, with few sand cluster, v. f. grained, sub-angular, poorly sorted, well cemented, no vis por., no show
- 1450 shale, gray, green, brown, sli. silty, sli. mica., pyritic with some shale, black, carb., fissile
- 1460 shale, gray, green, sli. silty, sli. mica., pyritic, with limestone, cream, f-xln, sli. fos., sli. chalky
- 1470 shale, gray, green, sli. silty, sli. mica., with sandstone, v. f. grained, mica., fria., p. vis por., no show
- 1480 shale dk. gray, carb., fis., with shale, gray, green, mica.
- 1490 shale, gray, fis., sli. silty
- 1500 shale, gray, dk gray, green, fis. to soft, mica.
- 1510 sandstone, gray, v.f. grained well sorted, fria., p. vis. por., no show
- 1520 sandstone, gray v.f. grained, well sorted, well rounded, fria., fair vis. por., fair show gas, no show oil
- 1530 shale, gray, sli. fis. mica.

- 1540 sandstone, clear, gray, v. f. grained, well sorted, well rounded, fair vis. por., slight show oil and gas, faint odor
- 1550 sandstone, clear, v. f.-med. grained, poor sorting, well rounded, fria., gd. inter-grain. por., good show free oil and gas, strong odor
- 1560 shale, gray, green, brown, sli, silty, sli. sandy,
- 1570 limestone, cream, tan, f.-md. xln, fos. to scat. good fos. cast por., poor inter-xln por., sli/ show free oil (tarry) and gas, sli. odor
- 1580 limestone, cream, tan, f.-md. xln, fos. to dense, scat. good fos. cast por., p. inter-xln por., sli/ show free oil (tarry) and gas, sli. odor with chert, gray translucent, fos., fresh, and shale, pale green, gray, soft
- 1590-1602 limestone, cream, f.-md. xln, p.-f. inter-xln por., no show with shale, green, gray

Log tops elevation 1147 GL

McLouth sand	1516-1528	-369 -381
Mississippian	1539	-392
log TD	1598	

Respectfully submitted,



Stephen J. Miller