

REPORT ON SAMPLES.

W. W. Trigg, Van Buskirk farm, S.W.Cor.N.E. 1/4 Sec. 10-18-16
Osage county, Kansas.

Sample No.

1. 1461-1467--Gray weathered flint with considerable brown quartz sand. Grains small and well rounded. Traces of black shale and decomposed limestone.
2. 1467-1470 --Brown limestone with gray flint. Traces of fine quartz, sand, black shale, and pyrite.
3. 1470-1477 -- Drab limestone with gray flint.
4. ----- No sample.
5. 1478-1484 -- Gray limestone and flint.
6. 1484-1500 -- Gray flint and limestone.
7. 1500-1511 -- Gray calcareous shale with white flint.
8. 1511-1517 -- Gray crystalline limestone and white flint.
9. 1517-1538 -- White flint and drab limestone.
10. 1538-1545 -- " " " " "
11. 1545-1554 -- " " " " "
12. 1554-1559 -- " " " " "
13. No sample.
14. 1559-1568 -- White flint and gray limestone, Flint. somewhat decomposed.
15. 1568-1570 -- Drab limestone and white flint.
16. 1570-1574 -- " " " " "
17. 1574-1578 -- White to gray flint and gray limestone.
18. 1578-1586 -- " " " " " "
19. 1586-1596 -- Friable, shaly, drab limestone. Traces of white flint.
20. 1596-1599 -- " " " " " and white flint.
21. 1599-1603 -- White to blue flint with brown limestone.
22. 1603-1612 -- " " " " " "
23. 1612-1615 -- " " " " " "
24. 1615-1622 -- Brown limestone and white to blue flint.
25. 1622-1630 -- Light to dark gray flint. Traces of brown ls.
27. 1672-1690 -- " " " " " with hard, dark gray, crystalline, dolomitic limestone.
28. 1690-1693 -- No sample
29. 1693-1695 -- " "
30. 1695-1699 -- Light to dark gray flint with drab limestone.
31. 1699-1712 -- Light brown limestone and white to blue flint
32. 1712-1724 -- Drab limestone and white to blue flint
33. 1724-1739 -- Brown limestone with a little white flint.
34. 1739-1757 -- Hard, brown, crystalline limestone with gray flint.
35. 1757-1767 -- Hard, dark gray flint with soft, gray limestone. Traces of spalerite.
36. 1767-1789--- Hard gray limestone and dark gray flint.
37. 1789-1802 -- Soft gray limestone. Traces of dark gray flint.
38. 1802-1803 -- No sample.
39. 1803-1826 -- Soft brown limestone. Traces of dark gray flint.
40. 1826-1834 -- Soft, dark gray flint and light gray, shaly ls.
41. 1834-1840 -- Light to dark gray flint and gray limestone.

(Probable base of Mississippian: 1840')

Sample No.

42. Hard, Black, argillaceous shale. Traces of pyrite.
43. " " " " "
44. " " " " . Bituminous.
45. Soft, light gray limestone and fine sand of
well rounded and polished quartz grains. Traces of flint
and pyrite.
46. Soft, light gray limestone and flint.
47. Fine, calcareous, gray sand of small, well rounded
and polished quartz grains. Contains a small amount of gray
limestone and flint.
48. Soft, gray limestone and fine, gray sand.
49. Very soft, light gray, fine grained limestone.
50. Fine, white, calcareous sand. Quartz particles
small, evenly graded, well rounded and polished.
Contains a small amount of soft, gray limestone.
51. Similar to above.
52. Very fine, light brown, quartz sand, slightly
calcareous. Quartz grains very small and partly rounded.

Respectfully submitted,

(Signed) A. L. Selig.