14-22S-11E

CITIES SERVICE
MADISON # 5

OWLL

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1750.0	147.4	0.0	6.0	7.7	100.0	0.0	100.0
1750.5	148.6	0.0	6.0	7.8	100.0	0.0	100.0
1751.0	149.3	0.0	5.9	7.8	100.0	0.0	100.0
1751.5	146.5	0.0	5.9	7.9	100.0	0.0	100.0
1752.0	147.1	0.0	5.9	8.1	100.0	0.0	100.0
1752.5	145.6	0.0	5.8	8.1	100.0	0.0	100.0
1753.0	146.7	0.0	5.8	7.9	100.0	0.0	100.0
1753.5	147.2	0.0	5.7	7.8	100.0	0.0	100.0
1754.0	147.4	0.0	5.6	7.7	100.0	0.0	100.0
1754.5	148.6	0.0	5.6	7.5	100.0	0.0	100.0
1755.0	149.3	0.0	5.6	7.4	100.0	0.0	100.0
1755.5	146.5	0.0	5.6	7.3	100.0	0.0	100.0
1756.0	147.1	0.0	5.6	7.2	100.0	0.0	100.0
1756.5	145.6	0.0	5.6	7.4	100.0	0.0	100.0
1757.0	146.7	0.0	5.7	7.7	100.0	0.0	100.0
1757.5	147.2	0.0	5.7	7.6	100.0	0.0	100.0
1758.0	145.9	0.0	5.7	7.2	100.0	0.0	100.0
1758.5	139.1	0.0	5.7	7.1	100.0	0.0	100.0
1759.0	133.1	0.0	5.6	7.6	100.0	0.0	100.0
1759.5	131.3	0.0	5.5	7.9	100.0	0.0	100.0
1760.0	131.4	0.0	5.4	8.0	100.0	0.0	100.0
1760.5	129.6	0.0	5.3	7.8	100.0	0.0	100.0
1761.0	123.5	0.0	5.1	7.6	100.0	0.0	100.0
1761.5	111.7	0.7	5.0	6.8	100.0	0.0	100.0
1762.0	106.9	1.7	4.8	6.4	100.0	0.0	100.0
1762.5	107.7	1.5	4.7	6.2	100.0	0.0	100.0
1763.0	109.2	1.2	4.6	6.5	100.0	0.0	100.0
1763.5	107.8	1.4	4.6	6.9	100.0	0.0	100.0
1764.0	107.5	1.5	4.6	7.1	100.0	0.0	100.0
1764.5	109.2	1.2	4.5	6.6	100.0	0.0	100.0
1765.0	110.9	0.8	4.5	6.3	100.0	0.0	100.0
1765.5	112.1	0.6	4.5	6.1	100.0	0.0	100.0
1766.0	113.7	0.3	4.5	6.4	100.0	0.0	100.0
1766.5	113.3	0.4	4.5	6.6	100.0	0.0	100.0
1767.0	112.3	0.6	4.5	6.7	100.0	0.0	100.0
1767.5	113.8	0.3	4.6	6.6	100.0	0.0	100.0
1768.0	116.0	0.0	4.5	6.5	100.0	0.0	100.0
1768.5	113.6	0.4	4.4	6.5	100.0	0.0	100.0
1769.0	114.7	0.1	4.5	6.6	100.0	0.0	100.0
1769.5	111.9	0.8	4.5	6.6	100.0	0.0	100.0
1770.0	109.4	1.3	4.7	6.6	100.0	0.0	100.0
1770.5	106.7	1.8	4.9	6.6	100.0	0.0	100.0
1771.0	101.0	2.7	5.1	6.7	100.0	0.0	100.0
1771.5	94.7	3.4	5.2	7.4	100.0	0.0	100.0
1772.0	87.2	4.2	5.3	8.3	100.0	0.0	100.0

DrillScan

OWLL

CITIES SERVICE
MADISON # 5

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1772.5	83.6	4.4	5.4	9.0	100.0	0.0	100.0
1773.0	80.4	4.6	5.6	10.9	100.0	0.0	100.0
1773.5	79.6	4.3	5.8	9.8	100.0	0.0	100.0
1774.0	80.3	4.1	6.1	8.1	100.0	0.0	100.0
1774.5	81.5	3.5	6.3	7.3	100.0	0.0	100.0
1775.0	83.5	3.1	6.4	7.7	100.0	0.0	100.0
1775.5	87.7	2.5	6.3	8.3	100.0	0.0	100.0
1776.0	89.7	2.8	6.1	8.9	100.0	0.0	100.0
1776.5	91.7	2.9	6.2	9.4	100.0	0.0	100.0
1777.0	94.2	3.0	6.2	9.9	100.0	0.0	100.0
1777.5	96.1	2.4	6.3	9.4	100.0	0.0	100.0
1778.0	94.0	2.3	6.4	8.9	100.0	0.0	100.0
1778.5	93.5	1.9	6.2	8.5	100.0	0.0	100.0
1779.0	94.0	1.7	6.0	8.2	100.0	0.0	100.0
1779.5	94.0	1.5	6.0	8.1	100.0	0.0	100.0
1780.0	98.3	1.0	6.0	8.5	100.0	0.0	100.0
1780.5	113.4	0.1	6.1	9.3	100.0	0.0	100.0
1781.0	122.7	0.0	6.3	9.6	100.0	0.0	100.0
1781.5	156.9	0.0	6.5	8.5	100.0	0.0	100.0
1782.0	167.9	0.0	6.9	9.0	100.0	0.0	100.0
1782.5	185.9	0.0	7.4	9.7	100.0	0.0	100.0
1783.0	186.0	0.0	7.9	9.0	100.0	0.0	100.0
1783.5	186.1	0.0	8.3	9.6	100.0	0.0	100.0
1784.0	186.3	0.0	8.2	11.3	100.0	0.0	100.0
1784.5	149.7	0.0	8.2	15.5	100.0	0.0	100.0
1785.0	131.4	0.0	8.1	18.0	100.0	0.0	100.0
1785.5	108.8	0.8	8.0	17.7	100.0	0.0	100.0
1786.0	88.7	3.4	7.9	13.2	100.0	0.0	100.0
1786.5	81.8	4.6	7.8	8.8	100.0	0.0	100.0
1787.0	80.2	4.6	7.5	7.4	100.0	0.0	100.0
1787.5	78.6	4.7	6.9	8.4	100.0	0.0	100.0
1788.0	78.5	4.6	6.7	10.0	100.0	0.0	100.0
1788.5	81.1	3.6	6.5	9.5	100.0	0.0	100.0
1789.0	83.2	2.9	6.5	8.9	100.0	0.0	100.0
1789.5	87.8	2.5	6.7	8.6	100.0	0.0	100.0
1790.0	93.3	2.2	6.9	9.4	100.0	0.0	100.0
1790.5	95.8	2.2	7.1	10.1	100.0	0.0	100.0
1791.0	99.5	1.8	7.3	10.5	100.0	0.0	100.0
1791.5	101.0	1.7	7.4	10.6	100.0	0.0	100.0
1792.0	102.2	1.1	7.5	10.4	100.0	0.0	100.0
1792.5	103.8	0.4	7.6	10.2	100.0	0.0	100.0
1793.0	104.8	0.2	7.7	9.8	100.0	0.0	100.0
1793.5	101.9	0.1	7.8	9.5	100.0	0.0	100.0
1794.0	100.4	0.1	7.9	9.3	100.0	0.0	100.0
1794.5	99.7	0.1	7.9	9.2	100.0	0.0	100.0

CITIES SERVICE
MADISON # 5

OWLL

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1795.0	98.9	0.1	7.9	9.2	100.0	0.0	100.0
1795.5	98.2	0.4	7.8	9.3	100.0	0.0	100.0
1796.0	97.2	1.0	7.6	9.5	100.0	0.0	100.0
1796.5	93.9	1.1	7.2	9.4	100.0	0.0	100.0
1797.0	87.2	3.4	6.6	9.3	100.0	0.0	100.0
1797.5	70.4	11.1	6.1	9.2	95.1	4.9	95.1
1798.0	70.8	11.9	5.5	9.2	94.0	6.0	94.0
1798.5	72.8	11.7	5.0	9.3	99.7	0.3	99.7
1799.0	74.3	11.4	4.6	6.9	100.0	0.0	100.0
1799.5	75.1	11.9	4.2	5.1	100.0	0.0	100.0
1800.0	75.6	12.4	3.7	5.3	100.0	0.0	100.0
1800.5	76.6	12.8	3.6	5.4	100.0	0.0	100.0
1801.0	81.9	12.9	3.4	5.0	100.0	0.0	100.0
1801.5	88.5	11.1	3.3	5.2	100.0	0.0	100.0
1802.0	102.3	5.5	3.3	5.3	100.0	0.0	100.0
1802.5	123.9	0.0	3.4	5.0	100.0	0.0	100.0
1803.0	129.1	0.0	3.6	4.7	100.0	0.0	100.0
1803.5	132.3	0.0	3.8	5.1	100.0	0.0	100.0
1804.0	134.0	0.0	4.1	6.6	100.0	0.0	100.0
1804.5	131.1	0.0	4.3	8.0	100.0	0.0	100.0
1805.0	128.2	0.0	4.4	8.1	100.0	0.0	100.0
1805.5	132.0	0.0	4.6	7.7	100.0	0.0	100.0
1806.0	135.2	0.0	4.8	7.6	100.0	0.0	100.0
1806.5	136.9	0.0	4.8	7.5	100.0	0.0	100.0
1807.0	137.9	0.0	4.5	6.9	100.0	0.0	100.0
1807.5	140.7	0.0	4.2	6.4	100.0	0.0	100.0
1808.0	147.1	0.0	4.1	5.8	100.0	0.0	100.0
1808.5	151.6	0.0	4.0	5.2	100.0	0.0	100.0
1809.0	155.1	0.0	3.9	4.8	100.0	0.0	100.0
1809.5	152.4	0.0	3.9	4.8	100.0	0.0	100.0
1810.0	133.1	0.0	3.9	4.8	100.0	0.0	100.0
1810.5	113.1	0.2	3.8	6.3	100.0	0.0	100.0
1811.0	110.3	0.5	3.7	8.5	100.0	0.0	100.0
1811.5	116.0	0.0	3.7	9.6	100.0	0.0	100.0
1812.0	122.2	0.0	3.8	8.4	100.0	0.0	100.0
1812.5	126.2	0.0	4.0	5.7	100.0	0.0	100.0
1813.0	130.1	0.0	4.3	4.9	100.0	0.0	100.0
1813.5	134.1	0.0	4.5	5.2	100.0	0.0	100.0
1814.0	135.6	0.0	4.5	6.6	100.0	0.0	100.0
1814.5	134.2	0.0	4.6	7.7	100.0	0.0	100.0
1815.0	132.1	0.0	4.9	8.3	100.0	0.0	100.0
1815.5	126.7	0.0	5.6	8.8	100.0	0.0	100.0
1816.0	127.6	0.0	6.3	9.1	100.0	0.0	100.0
1816.5	130.7	0.0	6.8	9.0	100.0	0.0	100.0
1817.0	129.2	0.0	7.3	8.9	100.0	0.0	100.0

DrillScan

CITIES SERVICE
MADISON # 5

OWLL

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1817.5	128.8	0.0	7.3	8.9	100.0	0.0	100.0
1818.0	132.2	0.0	7.2	8.9	100.0	0.0	100.0
1818.5	134.2	0.0	7.2	8.7	100.0	0.0	100.0
1819.0	133.5	0.0	7.2	8.3	100.0	0.0	100.0
1819.5	135.4	0.0	7.2	8.2	100.0	0.0	100.0
1820.0	136.9	0.0	7.2	8.2	100.0	0.0	100.0
1820.5	139.6	0.0	7.0	8.2	100.0	0.0	100.0
1821.0	141.2	0.0	6.9	8.3	100.0	0.0	100.0
1821.5	138.6	0.0	6.8	8.3	100.0	0.0	100.0
1822.0	139.8	0.0	6.8	8.3	100.0	0.0	100.0
1822.5	141.7	0.0	6.8	8.3	100.0	0.0	100.0
1823.0	144.0	0.0	6.8	8.3	100.0	0.0	100.0
1823.5	142.6	0.0	6.7	8.1	100.0	0.0	100.0
1824.0	140.7	0.0	6.6	7.9	100.0	0.0	100.0
1824.5	140.0	0.0	6.6	7.9	100.0	0.0	100.0
1825.0	140.8	0.0	6.6	8.4	100.0	0.0	100.0
1825.5	138.3	0.0	6.8	8.5	100.0	0.0	100.0
1826.0	136.2	0.0	6.9	8.6	100.0	0.0	100.0
1826.5	137.0	0.0	7.1	8.5	100.0	0.0	100.0
1827.0	135.9	0.0	7.4	8.4	100.0	0.0	100.0
1827.5	134.4	0.0	7.6	8.3	100.0	0.0	100.0
1828.0	133.3	0.0	7.7	8.3	100.0	0.0	100.0
1828.5	134.3	0.0	7.7	8.5	100.0	0.0	100.0
1829.0	140.4	0.0	7.6	8.7	100.0	0.0	100.0
1829.5	144.3	0.0	7.6	8.9	100.0	0.0	100.0
1830.0	144.1	0.0	7.6	9.1	100.0	0.0	100.0
1830.5	140.9	0.0	7.5	9.2	100.0	0.0	100.0
1831.0	138.9	0.0	7.4	9.2	100.0	0.0	100.0
1831.5	135.3	0.0	7.3	9.2	100.0	0.0	100.0
1832.0	127.8	0.0	7.3	9.3	100.0	0.0	100.0
1832.5	123.5	0.0	7.4	9.6	100.0	0.0	100.0
1833.0	108.5	1.6	7.4	9.9	100.0	0.0	100.0
1833.5	104.9	2.3	7.4	10.2	100.0	0.0	100.0
1834.0	114.2	0.2	7.3	10.6	100.0	0.0	100.0
1834.5	119.8	0.0	7.2	8.8	100.0	0.0	100.0
1835.0	117.7	0.0	7.2	8.1	100.0	0.0	100.0
1835.5	114.3	0.2	7.1	7.9	100.0	0.0	100.0
1836.0	111.3	1.3	7.1	8.8	100.0	0.0	100.0
1836.5	108.1	2.5	7.0	9.5	100.0	0.0	100.0
1837.0	106.2	3.2	7.0	9.7	100.0	0.0	100.0
1837.5	103.5	4.1	7.0	9.5	100.0	0.0	100.0
1838.0	98.4	5.3	7.0	9.1	100.0	0.0	100.0
1838.5	104.7	3.4	6.8	8.6	100.0	0.0	100.0
1839.0	114.5	0.2	6.5	9.1	100.0	0.0	100.0
1839.5	142.2	0.0	6.2	10.1	100.0	0.0	100.0

CITIES SERVICE
MADISON # 5

OWLL

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1840.0	149.1	0.0	5.8	10.0	100.0	0.0	100.0
1840.5	157.6	0.0	5.3	9.1	100.0	0.0	100.0
1841.0	162.5	0.0	5.0	7.9	100.0	0.0	100.0
1841.5	168.6	0.0	4.5	7.4	100.0	0.0	100.0
1842.0	174.7	0.0	4.0	6.5	100.0	0.0	100.0
1842.5	173.0	0.0	3.6	5.6	100.0	0.0	100.0
1843.0	171.2	0.0	3.4	5.1	100.0	0.0	100.0
1843.5	169.5	0.0	3.3	5.2	100.0	0.0	100.0
1844.0	167.7	0.0	3.2	5.3	100.0	0.0	100.0
1844.5	166.0	0.0	3.1	5.4	100.0	0.0	100.0
1845.0	164.3	0.0	3.2	5.3	100.0	0.0	100.0
1845.5	162.5	0.0	3.3	5.0	100.0	0.0	100.0
1846.0	160.8	0.0	3.4	5.1	100.0	0.0	100.0
1846.5	159.0	0.0	3.6	5.7	100.0	0.0	100.0
1847.0	157.3	0.0	3.7	6.5	100.0	0.0	100.0
1847.5	155.6	0.0	4.0	7.6	100.0	0.0	100.0
1848.0	153.8	0.0	4.4	7.2	100.0	0.0	100.0
1848.5	151.1	0.0	4.8	7.1	100.0	0.0	100.0
1849.0	152.4	0.0	5.2	7.4	100.0	0.0	100.0
1849.5	153.7	0.0	5.5	9.1	100.0	0.0	100.0
1850.0	153.8	0.0	6.0	10.6	100.0	0.0	100.0
1850.5	153.9	0.0	6.5	11.3	100.0	0.0	100.0
1851.0	153.9	0.0	6.9	11.9	100.0	0.0	100.0
1851.5	154.2	0.0	7.1	12.2	100.0	0.0	100.0
1852.0	154.5	0.0	7.3	11.8	100.0	0.0	100.0
1852.5	154.7	0.0	7.4	11.4	100.0	0.0	100.0
1853.0	154.8	0.0	7.6	11.1	100.0	0.0	100.0
1853.5	154.9	0.0	7.7	10.9	100.0	0.0	100.0
1854.0	155.1	0.0	7.7	10.8	100.0	0.0	100.0
1854.5	155.2	0.0	7.6	10.7	100.0	0.0	100.0
1855.0	155.4	0.0	7.6	10.6	100.0	0.0	100.0
1855.5	155.5	0.0	6.9	10.5	100.0	0.0	100.0
1856.0	155.6	0.0	6.6	10.2	100.0	0.0	100.0
1856.5	155.8	0.0	6.0	9.9	100.0	0.0	100.0
1857.0	155.9	0.0	5.3	9.5	100.0	0.0	100.0
1857.5	156.1	0.0	4.8	8.9	100.0	0.0	100.0
1858.0	156.2	0.0	4.9	8.1	100.0	0.0	100.0
1858.5	156.3	0.0	5.7	7.7	100.0	0.0	100.0
1859.0	156.5	0.0	6.1	7.4	100.0	0.0	100.0
1859.5	137.3	0.0	6.0	7.4	100.0	0.0	100.0
1860.0	131.8	0.0	6.0	8.2	100.0	0.0	100.0
1860.5	125.4	0.0	6.1	9.9	100.0	0.0	100.0
1861.0	122.8	0.0	6.3	10.0	100.0	0.0	100.0
1861.5	120.6	0.0	6.7	9.9	100.0	0.0	100.0
1862.0	118.6	0.0	7.1	9.9	100.0	0.0	100.0

DrillerAid

CITIES SERVICE
MADISON # 5

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1862.5	116.8	0.0	7.3	9.8	100.0	0.0	100.0
1863.0	118.4	0.0	7.6	9.7	100.0	0.0	100.0
1863.5	119.1	0.0	7.7	9.6	100.0	0.0	100.0
1864.0	114.1	0.2	7.8	9.6	100.0	0.0	100.0
1864.5	114.3	0.2	7.8	9.6	100.0	0.0	100.0
1865.0	113.3	0.4	7.8	9.5	100.0	0.0	100.0
1865.5	113.6	0.4	7.7	9.3	100.0	0.0	100.0
1866.0	115.7	0.0	7.4	9.3	100.0	0.0	100.0
1866.5	113.0	0.7	7.1	9.3	100.0	0.0	100.0
1867.0	109.2	2.1	6.9	9.2	100.0	0.0	100.0
1867.5	105.5	3.3	6.5	9.1	100.0	0.0	100.0
1868.0	103.5	3.8	6.1	8.6	100.0	0.0	100.0
1868.5	103.5	3.8	6.0	7.4	100.0	0.0	100.0
1869.0	104.8	3.4	5.9	6.7	100.0	0.0	100.0
1869.5	108.4	2.3	5.7	6.4	100.0	0.0	100.0
1870.0	111.6	1.3	5.7	6.8	100.0	0.0	100.0
1870.5	109.1	2.2	5.8	7.5	100.0	0.0	100.0
1871.0	105.0	3.9	5.8	8.2	100.0	0.0	100.0
1871.5	102.1	5.1	5.8	9.0	100.0	0.0	100.0
1872.0	101.9	5.3	5.9	9.2	100.0	0.0	100.0
1872.5	102.2	5.3	5.9	9.0	100.0	0.0	100.0
1873.0	99.8	6.3	5.9	8.3	100.0	0.0	100.0
1873.5	99.3	6.6	5.9	7.6	100.0	0.0	100.0
1874.0	100.1	6.5	5.9	7.1	100.0	0.0	100.0
1874.5	99.6	6.9	5.9	6.9	100.0	0.0	100.0
1875.0	94.7	8.1	5.9	7.2	100.0	0.0	100.0
1875.5	90.4	9.3	5.8	7.5	100.0	0.0	100.0
1876.0	87.9	9.0	5.8	7.3	100.0	0.0	100.0
1876.5	85.7	8.1	5.9	6.8	100.0	0.0	100.0
1877.0	84.2	8.6	6.2	7.0	100.0	0.0	100.0
1877.5	85.1	9.9	6.4	7.6	100.0	0.0	100.0
1878.0	88.2	10.6	6.5	9.4	95.7	4.3	95.7
1878.5	91.9	10.1	6.4	12.6	100.0	0.0	100.0
1879.0	93.6	9.5	6.2	14.1	100.0	0.0	100.0
1879.5	93.8	9.2	6.1	9.3	100.0	0.0	100.0
1880.0	93.4	8.6	6.2	7.2	100.0	0.0	100.0
1880.5	93.3	5.8	6.3	6.9	100.0	0.0	100.0
1881.0	89.3	5.2	6.5	7.3	100.0	0.0	100.0
1881.5	86.7	3.4	6.8	8.0	100.0	0.0	100.0
1882.0	84.1	4.2	7.5	8.8	100.0	0.0	100.0
1882.5	80.1	5.5	7.8	10.1	100.0	0.0	100.0
1883.0	84.5	12.5	8.2	21.6	74.0	26.0	74.0
1883.5	88.7	14.0	8.3	36.1	79.5	33.9	66.1
1884.0	88.7	14.7	8.4	19.0	63.1	36.9	63.1
1884.5	87.2	15.6	8.4	8.2	59.7	40.3	59.7

OWLL

DRESSER ATLAS

CITIES SERVICE
MADISON # 5

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1885.0	84.2	17.2	8.1	7.2	55.8	44.2	55.8
1885.5	83.1	18.0	7.7	6.9	54.7	45.3	54.7
1886.0	83.8	17.9	7.4	7.2	56.2	43.8	56.2
1886.5	84.7	17.6	6.9	7.4	58.7	41.3	58.7
1887.0	85.9	16.2	6.4	7.2	65.9	34.1	65.9
1887.5	88.3	14.1	5.9	7.1	77.3	22.7	77.3
1888.0	92.5	11.8	6.0	6.9	89.9	10.1	89.9
1888.5	95.9	10.1	6.1	6.9	100.0	0.0	100.0
1889.0	94.8	10.3	6.1	7.1	100.0	0.0	100.0
1889.5	94.4	9.4	6.1	7.0	100.0	0.0	100.0
1890.0	100.1	5.3	6.1	6.7	100.0	0.0	100.0
1890.5	108.5	1.9	6.0	6.5	100.0	0.0	100.0
1891.0	112.4	0.8	5.9	7.0	100.0	0.0	100.0
1891.5	114.4	0.2	5.8	7.4	100.0	0.0	100.0
1892.0	114.1	0.3	5.8	8.0	100.0	0.0	100.0
1892.5	113.9	0.4	5.7	7.6	100.0	0.0	100.0
1893.0	115.1	0.0	5.6	6.9	100.0	0.0	100.0
1893.5	115.1	0.0	5.4	6.4	100.0	0.0	100.0
1894.0	112.9	0.7	5.4	6.3	100.0	0.0	100.0
1894.5	114.4	0.2	5.7	6.7	100.0	0.0	100.0
1895.0	116.0	0.0	5.9	6.9	100.0	0.0	100.0
1895.5	117.5	0.0	6.0	7.2	100.0	0.0	100.0
1896.0	114.0	0.4	6.0	7.5	100.0	0.0	100.0
1896.5	110.2	1.9	6.0	8.3	100.0	0.0	100.0
1897.0	104.1	4.7	6.0	8.8	100.0	0.0	100.0
1897.5	95.0	8.3	6.0	8.0	100.0	0.0	100.0
1898.0	88.4	10.8	6.0	7.3	97.7	2.3	97.7
1898.5	84.1	13.9	6.0	6.9	78.2	21.8	78.2
1899.0	80.3	16.2	5.9	6.3	68.5	31.5	68.5
1899.5	69.6	18.3	5.8	6.9	62.0	38.0	62.0
1900.0	63.4	19.3	5.6	7.2	60.0	40.0	60.0
1900.5	59.6	19.7	5.4	6.6	59.7	40.3	59.7
1901.0	61.6	19.8	5.2	6.4	60.7	39.3	60.7
1901.5	63.0	19.9	5.1	6.1	61.2	38.8	61.2
1902.0	64.0	20.0	5.0	5.8	61.2	38.8	61.2
1902.5	62.9	20.3	5.0	5.7	60.5	39.5	60.5
1903.0	61.5	20.6	5.0	5.7	59.8	40.2	59.8
1903.5	61.9	20.2	5.0	5.6	60.9	39.1	60.9
1904.0	62.5	19.7	5.0	5.5	62.5	37.5	62.5
1904.5	64.3	18.9	5.0	5.4	65.0	35.0	65.0
1905.0	67.9	18.0	4.9	5.3	68.2	31.8	68.2
1905.5	66.4	17.7	4.9	5.3	69.1	30.9	69.1
1906.0	66.0	17.7	5.0	5.3	68.9	31.1	68.9
1906.5	65.3	18.3	5.0	5.3	66.4	33.6	66.4
1907.0	63.5	19.2	5.1	6.1	63.3	36.7	63.3

DRESSER ATLAS

OWLL

CITIES SERVICE
MADISON # 5

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1907.5	59.9	19.7	5.1	6.4	61.6	38.4	61.6
1908.0	59.1	19.5	5.1	6.0	62.2	37.8	62.2
1908.5	61.4	19.2	5.1	5.4	63.2	36.8	63.2
1909.0	62.8	18.8	5.1	5.0	64.4	35.6	64.4
1909.5	62.2	18.5	5.1	5.1	65.0	35.0	65.0
1910.0	60.6	18.3	5.2	5.4	65.4	34.6	65.4
1910.5	61.0	18.0	5.2	5.7	66.4	33.6	66.4
1911.0	61.7	18.7	5.2	5.9	64.0	36.0	64.0
1911.5	63.3	18.9	5.2	5.6	63.5	36.5	63.5
1912.0	65.4	19.0	5.1	5.6	63.7	36.3	63.7
1912.5	66.8	18.8	5.2	5.6	63.9	36.1	63.9
1913.0	66.9	18.5	5.1	5.5	65.2	34.8	65.2
1913.5	69.2	18.0	5.1	5.4	67.0	33.0	67.0
1914.0	69.4	17.7	5.0	5.3	68.7	31.3	68.7
1914.5	68.7	17.5	5.0	5.1	69.2	30.8	69.2
1915.0	68.7	17.5	5.0	5.0	69.4	30.6	69.4
1915.5	71.4	18.3	4.9	5.3	67.4	32.6	67.4
1916.0	70.9	19.2	4.8	5.5	65.1	34.9	65.1
1916.5	69.2	20.0	4.7	5.9	63.2	36.8	63.2
1917.0	71.9	20.2	4.8	5.8	62.4	37.6	62.4
1917.5	72.5	20.4	4.8	5.4	61.7	38.3	61.7
1918.0	72.7	20.6	4.8	5.2	60.9	39.1	60.9
1918.5	72.7	20.4	4.9	5.2	61.1	38.9	61.1
1919.0	72.4	20.1	4.9	5.2	61.5	38.5	61.5
1919.5	71.9	19.5	5.0	5.1	63.1	36.9	63.1
1920.0	67.5	19.4	5.0	5.1	63.1	36.9	63.1
1920.5	65.8	19.5	5.0	5.3	62.8	37.2	62.8
1921.0	65.2	19.7	5.0	5.6	62.5	37.5	62.5
1921.5	65.2	19.8	4.9	5.8	62.5	37.5	62.5
1922.0	63.4	20.0	4.9	5.6	62.1	37.9	62.1
1922.5	62.7	20.4	4.8	5.3	61.6	38.4	61.6
1923.0	62.4	20.7	4.8	5.0	60.4	39.6	60.4
1923.5	62.9	21.2	4.8	4.9	59.6	40.4	59.6
1924.0	64.3	21.4	4.7	4.9	59.6	40.4	59.6
1924.5	65.9	21.5	4.6	4.9	60.2	39.8	60.2
1925.0	63.8	21.5	4.4	4.8	61.2	38.8	61.2
1925.5	62.3	21.4	4.3	4.8	62.0	38.0	62.0
1926.0	63.7	20.9	4.3	4.7	63.4	36.6	63.4
1926.5	66.8	20.4	4.3	4.7	65.0	35.0	65.0
1927.0	66.8	20.6	4.3	4.7	64.5	35.5	64.5
1927.5	64.9	21.0	4.2	4.8	63.7	36.3	63.7
1928.0	64.3	21.8	4.2	5.0	61.6	38.4	61.6
1928.5	64.3	22.0	4.2	5.3	61.2	38.8	61.2
1929.0	64.3	21.9	4.2	5.1	61.6	38.4	61.6
1929.5	64.2	21.7	4.1	4.8	62.7	37.3	62.7

OWLL

CITIES SERVICE
MADISON # 5

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1930.0	63.2	21.5	3.9	4.5	64.5	35.5	64.5
1930.5	64.7	21.4	3.9	4.5	65.2	34.8	65.2
1931.0	65.6	22.0	4.1	4.7	62.3	37.7	62.3
1931.5	65.6	22.1	4.1	4.6	61.6	38.4	61.6
1932.0	63.7	21.9	4.1	4.5	61.9	38.1	61.9
1932.5	64.4	21.8	4.1	4.6	62.3	37.7	62.3
1933.0	65.4	21.6	4.1	4.7	62.7	37.3	62.7
1933.5	66.3	21.7	4.2	4.8	62.5	37.5	62.5
1934.0	65.2	21.8	4.2	4.9	61.9	38.1	61.9
1934.5	63.4	22.1	4.2	4.9	61.1	38.9	61.1
1935.0	61.9	22.4	4.2	5.0	60.2	39.8	60.2
1935.5	62.1	22.7	4.2	5.1	59.5	40.5	59.5
1936.0	63.0	22.6	4.2	4.9	59.5	40.5	59.5
1936.5	64.8	22.6	4.0	4.6	61.4	38.6	61.4
1937.0	65.0	22.5	3.9	4.3	62.5	37.5	62.5
1937.5	64.8	22.2	3.8	4.3	63.6	36.4	63.6
1938.0	64.9	21.7	3.8	4.4	64.8	35.2	64.8
1938.5	65.3	20.9	3.8	4.6	67.2	32.8	67.2
1939.0	65.8	20.3	3.8	4.7	68.8	31.2	68.8
1939.5	68.8	19.5	3.9	4.8	71.2	28.8	71.2
1940.0	71.5	19.0	3.9	4.9	72.5	27.5	72.5
1940.5	69.8	18.7	3.9	4.6	73.5	26.5	73.5
1941.0	67.2	19.7	3.9	4.7	70.3	29.7	70.3
1941.5	63.4	21.4	3.8	4.8	65.6	34.4	65.6
1942.0	60.9	21.9	3.8	4.7	64.6	35.4	64.6
1942.5	60.2	21.6	3.8	4.6	65.5	34.5	65.5
1943.0	60.2	21.3	3.8	4.4	66.6	33.4	66.6
1943.5	63.3	21.0	3.8	4.3	67.2	32.8	67.2
1944.0	65.9	20.5	3.8	4.3	68.5	31.5	68.5
1944.5	62.8	19.8	3.8	4.3	70.6	29.4	70.6
1945.0	64.8	18.6	3.8	4.3	74.4	25.6	74.4
1945.5	65.6	18.0	3.8	4.3	76.7	23.3	76.7
1946.0	65.1	17.8	3.8	4.4	77.6	22.4	77.6
1946.5	63.8	17.8	3.8	4.6	77.8	22.2	77.8
1947.0	63.1	17.9	3.8	4.8	77.2	22.8	77.2
1947.5	62.8	18.1	3.8	4.8	76.5	23.5	76.5
1948.0	62.8	18.2	3.9	4.6	75.6	24.4	75.6
1948.5	62.3	18.5	3.9	4.5	74.3	25.7	74.3
1949.0	61.6	18.8	3.9	4.3	73.3	26.8	73.2
1949.5	60.1	18.8	3.9	4.4	73.3	26.7	73.3
1950.0	57.6	18.6	3.9	4.6	73.9	26.1	73.9
1950.5	57.1	18.8	3.7	4.7	74.5	25.5	74.5
1951.0	56.5	19.0	3.6	4.7	75.1	24.9	75.1
1951.5	56.5	19.2	3.7	4.5	73.8	26.2	73.8
1952.0	57.0	19.2	3.5	4.3	75.7	24.3	75.7

OWLL

CITIES SERVICE
MADISON # 5

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1952.5	57.7	19.3	3.3	4.0	77.3	22.7	77.3
1953.0	57.7	19.1	3.2	3.8	79.9	20.1	79.9
1953.5	58.4	17.7	3.1	3.7	86.3	13.7	86.3
1954.0	59.9	17.2	3.1	3.7	88.5	11.5	88.5
1954.5	63.0	16.8	3.2	3.9	89.3	10.7	89.3
1955.0	64.2	16.6	3.3	4.1	88.4	11.6	88.4
1955.5	64.4	16.6	3.5	4.3	86.3	13.7	86.3
1956.0	63.7	17.1	3.6	4.5	82.7	17.3	82.7
1956.5	63.7	17.8	3.7	4.6	79.0	21.0	79.0
1957.0	63.1	18.2	3.7	4.4	76.9	23.1	76.9
1957.5	63.8	18.3	3.8	4.6	75.8	24.2	75.8
1958.0	70.6	18.0	3.9	5.0	76.2	23.8	76.2
1958.5	78.7	16.9	4.1	5.1	78.3	21.7	78.3
1959.0	82.4	12.3	4.3	4.7	100.0	0.0	100.0
1959.5	102.9	2.8	4.5	4.4	100.0	0.0	100.0
1960.0	136.3	0.0	4.8	4.2	100.0	0.0	100.0
1960.5	145.0	0.0	5.2	4.5	100.0	0.0	100.0
1961.0	147.4	0.0	5.3	6.0	100.0	0.0	100.0
1961.5	146.2	0.0	5.5	9.2	100.0	0.0	100.0
1962.0	142.0	0.0	5.2	10.0	100.0	0.0	100.0
1962.5	135.8	0.0	5.0	8.9	100.0	0.0	100.0
1963.0	132.2	0.0	4.7	7.6	100.0	0.0	100.0
1963.5	130.8	0.0	4.9	6.8	100.0	0.0	100.0
1964.0	131.5	0.0	5.1	5.2	100.0	0.0	100.0
1964.5	136.2	0.0	5.4	4.8	100.0	0.0	100.0
1965.0	141.7	0.0	5.2	5.3	100.0	0.0	100.0
1965.5	147.5	0.0	5.0	6.6	100.0	0.0	100.0
1966.0	153.6	0.0	5.0	8.3	100.0	0.0	100.0
1966.5	155.6	0.0	5.3	8.7	100.0	0.0	100.0
1967.0	155.1	0.0	6.5	8.9	100.0	0.0	100.0
1967.5	155.1	0.0	7.5	8.2	100.0	0.0	100.0
1968.0	155.2	0.0	8.7	7.0	100.0	0.0	100.0
1968.5	155.4	0.0	9.3	6.8	100.0	0.0	100.0
1969.0	155.5	0.0	9.6	6.7	100.0	0.0	100.0
1969.5	155.6	0.0	7.9	6.7	100.0	0.0	100.0
1970.0	155.7	0.0	7.2	6.9	100.0	0.0	100.0
1970.5	155.6	0.0	6.0	8.4	100.0	0.0	100.0
1971.0	155.4	0.0	4.9	10.1	100.0	0.0	100.0
1971.5	155.2	0.0	5.2	8.8	100.0	0.0	100.0
1972.0	155.1	0.0	6.2	7.8	100.0	0.0	100.0
1972.5	154.9	0.0	6.7	6.8	100.0	0.0	100.0
1973.0	154.7	0.0	6.4	6.8	100.0	0.0	100.0
1973.5	154.6	0.0	5.9	8.2	100.0	0.0	100.0
1974.0	154.5	0.0	5.7	9.3	100.0	0.0	100.0
1974.5	154.4	0.0	5.6	9.1	100.0	0.0	100.0

OWLL

CITIES SERVICE
MADISON # 5

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1975.0	154.2	0.0	5.6	8.5	100.0	0.0	100.0
1975.5	154.2	0.0	5.6	8.2	100.0	0.0	100.0
1976.0	154.2	0.0	5.6	8.0	100.0	0.0	100.0
1976.5	154.2	0.0	5.6	7.6	100.0	0.0	100.0
1977.0	154.2	0.0	5.6	7.3	100.0	0.0	100.0
1977.5	154.3	0.0	5.6	7.0	100.0	0.0	100.0
1978.0	154.3	0.0	5.6	6.6	100.0	0.0	100.0
1978.5	154.2	0.0	5.7	6.2	100.0	0.0	100.0
1979.0	154.0	0.0	5.7	6.0	100.0	0.0	100.0
1979.5	153.9	0.0	5.7	5.8	100.0	0.0	100.0
1980.0	153.7	0.0	5.7	5.7	100.0	0.0	100.0
1980.5	153.6	0.0	5.7	5.5	100.0	0.0	100.0
1981.0	153.5	0.0	5.7	5.9	100.0	0.0	100.0
1981.5	153.3	0.0	5.7	6.5	100.0	0.0	100.0
1982.0	153.3	0.0	5.7	6.5	100.0	0.0	100.0
1982.5	153.3	0.0	5.7	6.4	100.0	0.0	100.0
1983.0	153.3	0.0	5.6	6.4	100.0	0.0	100.0
1983.5	153.3	0.0	5.6	7.4	100.0	0.0	100.0
1984.0	153.4	0.0	5.6	7.8	100.0	0.0	100.0

Dresser/Atlas
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CITIES SERVICE OIL COMPANY
MADISON NO. 5

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYCARB GM/CC	CLAY %	CUM POR. FEET	CUM. HYCARB FEET
1772.0	0.	100.	4.2	1.0	43.	0.13	0.00
1773.0	0.	100.	4.6	1.0	33.	0.18	0.00
1774.0	0.	100.	4.1	1.0	31.	0.22	0.00
1775.0	0.	100.	3.1	1.0	34.	0.25	0.00
1776.0	0.	100.	2.8	1.0	39.	0.28	0.00
1777.0	0.	100.	3.0	1.0	47.	0.31	0.00
1778.0	0.	100.	2.3	1.0	48.	0.33	0.00
1779.0	0.	100.	1.7	1.0	49.	0.35	0.00
1786.0	0.	100.	3.4	1.0	44.	0.39	0.00
1787.0	0.	100.	4.6	1.0	31.	0.43	0.00
1788.0	0.	100.	4.6	1.0	25.	0.48	0.00
1789.0	0.	100.	2.9	1.0	31.	0.51	0.00
1790.0	0.	100.	2.2	1.0	44.	0.53	0.00
1797.0	0.	100.	3.4	1.0	39.	0.60	0.00
1798.0	2.	94.	11.9	1.0	18.	0.72	0.01
1799.0	2.	100.	11.4	1.0	21.	0.83	0.01
1800.0	2.	100.	12.4	1.0	20.	0.95	0.01
1801.0	3.	100.	12.9	1.0	27.	1.08	0.01
1873.0	0.	100.	6.3	1.0	48.	1.54	0.01
1874.0	0.	100.	6.5	1.0	44.	1.61	0.01
1875.0	0.	100.	8.1	1.0	35.	1.68	0.01
1876.0	1.	100.	9.0	1.0	27.	1.77	0.01
1877.0	0.	100.	8.6	1.0	25.	1.86	0.01
1878.0	1.	96.	10.6	1.0	20.	1.96	0.01
1879.0	1.	100.	9.5	1.0	20.	2.06	0.01
1880.0	0.	100.	8.6	1.0	29.	2.15	0.01
1881.0	0.	100.	5.2	1.0	33.	2.20	0.01
1882.0	0.	100.	4.2	1.0	28.	2.24	0.01
1883.0	3.	74.	12.5	1.0	16.	2.33	0.02
1884.0	5.	63.	14.7	0.7	5.	2.47	0.08
1885.0	10.	56.	17.2	0.7	5.	2.64	0.15
1886.0	12.	56.	17.9	0.9	8.	2.82	0.23
1887.0	8.	66.	16.2	1.0	16.	2.99	0.29
1888.0	2.	90.	11.8	1.0	29.	3.12	0.31
1889.0	1.	100.	10.3	1.0	33.	3.22	0.31
1890.0	0.	100.	5.3	1.0	48.	3.29	0.31
1898.0	1.	98.	10.8	1.0	35.	3.44	0.31
1899.0	8.	69.	16.2	1.0	22.	3.59	0.35
1900.0	17.	60.	19.3	1.0	7.	3.78	0.43
1901.0	19.	61.	19.8	1.0	6.	3.98	0.50
1902.0	20.	61.	20.0	1.0	6.	4.18	0.58
1903.0	23.	60.	20.6	1.0	4.	4.38	0.66
1904.0	19.	62.	19.7	1.0	5.	4.58	0.74
1905.0	12.	68.	18.0	1.0	9.	4.77	0.80
1906.0	12.	69.	17.7	1.0	9.	4.94	0.86

DresserAtlas
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CITIES SERVICE OIL COMPANY
MADISON NO. 5

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYCARB GM/CC	CLAY %	CUM POR. FEET	CUM. HYCARB FEET
1907.0	17.	63.	19.2	1.0	7.	5.13	0.92
1908.0	18.	62.	19.5	1.0	5.	5.33	1.00
1909.0	15.	64.	18.8	1.0	7.	5.52	1.07
1910.0	14.	65.	18.3	1.0	6.	5.70	1.13
1911.0	15.	64.	18.7	1.0	6.	5.88	1.19
1912.0	16.	64.	19.0	1.0	8.	6.07	1.26
1913.0	14.	65.	18.5	1.0	10.	6.26	1.33
1914.0	12.	69.	17.7	1.0	13.	6.44	1.39
1915.0	11.	69.	17.5	1.0	13.	6.61	1.44
1916.0	17.	65.	19.2	1.0	12.	6.80	1.50
1917.0	21.	62.	20.2	1.0	10.	7.00	1.58
1918.0	23.	61.	20.6	1.0	6.	7.21	1.66
1919.0	21.	61.	20.1	1.0	6.	7.41	1.74
1920.0	18.	63.	19.4	1.0	6.	7.60	1.81
1921.0	19.	62.	19.7	1.0	4.	7.80	1.88
1922.0	20.	62.	20.0	0.9	3.	8.00	1.96
1923.0	23.	60.	20.7	1.0	3.	8.20	2.04
1924.0	27.	60.	21.4	1.0	5.	8.42	2.12
1925.0	27.	61.	21.5	1.0	6.	8.63	2.21
1926.0	24.	63.	20.9	1.0	6.	8.84	2.29
1927.0	23.	65.	20.6	1.0	8.	9.05	2.36
1928.0	30.	62.	21.8	1.0	4.	9.26	2.44
1929.0	30.	62.	21.9	1.0	4.	9.48	2.52
1930.0	28.	65.	21.5	1.0	5.	9.70	2.60
1931.0	30.	62.	22.0	1.0	6.	9.92	2.68
1932.0	30.	62.	21.9	1.0	4.	10.14	2.76
1933.0	28.	63.	21.6	0.9	4.	10.35	2.85
1934.0	29.	62.	21.8	0.8	3.	10.57	2.93
1935.0	33.	60.	22.4	0.8	2.	10.79	3.01
1936.0	34.	59.	22.6	0.8	2.	11.02	3.11
1937.0	33.	62.	22.5	0.8	2.	11.24	3.19
1938.0	29.	65.	21.7	0.9	3.	11.46	3.27
1939.0	21.	69.	20.3	1.0	3.	11.67	3.34
1940.0	16.	72.	19.0	1.0	7.	11.86	3.39
1941.0	19.	70.	19.7	1.0	8.	12.05	3.45
1942.0	30.	65.	21.9	1.0	4.	12.27	3.52
1943.0	26.	67.	21.3	1.0	6.	12.48	3.59
1944.0	22.	68.	20.5	1.0	7.	12.69	3.66
1945.0	15.	74.	18.6	1.0	8.	12.88	3.71
1946.0	12.	78.	17.8	1.0	8.	13.06	3.75
1947.0	12.	77.	17.9	1.0	6.	13.24	3.79
1948.0	13.	76.	18.2	1.0	7.	13.42	3.84
1949.0	15.	73.	18.8	1.0	7.	13.61	3.89
1950.0	15.	74.	18.6	1.0	5.	13.80	3.94
1951.0	16.	75.	19.0	1.0	4.	13.99	3.98
1952.0	17.	76.	19.2	1.0	4.	14.18	4.03
1953.0	16.	80.	19.1	1.0	3.	14.37	4.07
1954.0	10.	88.	17.2	1.0	6.	14.54	4.10
1955.0	9.	88.	16.6	1.0	8.	14.71	4.11
1956.0	10.	83.	17.1	1.0	7.	14.88	4.14

DresserAtlas
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CITIES SERVICE OIL COMPANY
MADISON NO. 5

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYCARB GM/CC	CLAY %	CUM POR. FEET	CUM. HYCARB FEET
1957.0	13.	77.	18.2	1.0	7.	15.06	4.18
1958.0	12.	76.	18.0	1.0	11.	15.24	4.22
1959.0	2.	100.	12.3	1.0	25.	15.39	4.24
1970.0	0.	100.	0.0	1.0	0.	15.40	4.24
1971.0	0.	100.	0.0	1.0	0.	15.40	4.24

Dresser Atlas
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CITIES SERVICE OIL COMPANY
MADISON NO. 5

OWLL

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYCARB GM/CC	CLAY %	CUM POR. FEET	CUM. HYCARB FEET
1772.0	0.	100.	4.2	1.0	43.	0.13	0.00
1773.0	0.	100.	4.6	1.0	33.	0.18	0.00
1774.0	0.	100.	4.1	1.0	31.	0.22	0.00
1775.0	0.	100.	3.1	1.0	34.	0.25	0.00
1776.0	0.	100.	2.8	1.0	39.	0.28	0.00
1777.0	0.	100.	3.0	1.0	47.	0.31	0.00
1778.0	0.	100.	2.3	1.0	48.	0.33	0.00
1779.0	0.	100.	1.7	1.0	49.	0.35	0.00
1786.0	0.	100.	3.4	1.0	44.	0.39	0.00
1787.0	0.	100.	4.6	1.0	31.	0.43	0.00
1788.0	0.	100.	4.6	1.0	25.	0.48	0.00
1789.0	0.	100.	2.9	1.0	31.	0.51	0.00
1790.0	0.	100.	2.2	1.0	44.	0.53	0.00
1797.0	0.	100.	3.4	1.0	39.	0.60	0.00
1798.0	2.	94.	11.9	1.0	18.	0.72	0.01
1799.0	2.	100.	11.4	1.0	21.	0.83	0.01
1800.0	2.	100.	12.4	1.0	20.	0.95	0.01
1801.0	3.	100.	12.9	1.0	27.	1.08	0.01
1873.0	0.	100.	6.3	1.0	48.	1.54	0.01
1874.0	0.	100.	6.5	1.0	44.	1.61	0.01
1875.0	0.	100.	8.1	1.0	35.	1.68	0.01
1876.0	1.	100.	9.0	1.0	27.	1.77	0.01
1877.0	0.	100.	8.6	1.0	25.	1.86	0.01
1878.0	1.	96.	10.6	1.0	20.	1.96	0.01
1879.0	1.	100.	9.5	1.0	20.	2.06	0.01
1880.0	0.	100.	8.6	1.0	29.	2.15	0.01
1881.0	0.	100.	5.2	1.0	33.	2.20	0.01
1882.0	0.	100.	4.2	1.0	28.	2.24	0.01
1883.0	3.	74.	12.5	1.0	16.	2.33	0.02
1884.0	5.	63.	14.7	0.7	5.	2.47	0.08
1885.0	10.	56.	17.2	0.7	5.	2.64	0.15
1886.0	12.	56.	17.9	0.9	8.	2.82	0.23
1887.0	8.	66.	16.2	1.0	16.	2.99	0.29
1888.0	2.	90.	11.8	1.0	29.	3.12	0.31
1889.0	1.	100.	10.3	1.0	33.	3.22	0.31
1890.0	0.	100.	5.3	1.0	48.	3.29	0.31
1898.0	1.	98.	10.8	1.0	35.	3.44	0.31
1899.0	8.	69.	16.2	1.0	22.	3.59	0.35
1900.0	17.	60.	19.3	1.0	7.	3.78	0.43
1901.0	19.	61.	19.8	1.0	6.	3.98	0.50
1902.0	20.	61.	20.0	1.0	6.	4.18	0.58
1903.0	23.	60.	20.6	1.0	4.	4.38	0.66
1904.0	19.	62.	19.7	1.0	5.	4.58	0.74
1905.0	12.	68.	18.0	1.0	9.	4.77	0.80
1906.0	12.	69.	17.7	1.0	9.	4.94	0.86

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OWLL

CITIES SERVICE OIL COMPANY
MADISON NO. 5

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYCARB GM/CC	CLAY %	CUM POR. FEET	CUM. HYCARB FEET
1907.0	17.	63.	19.2	1.0	7.	5.13	0.92
1908.0	18.	62.	19.5	1.0	5.	5.33	1.00
1909.0	15.	64.	18.8	1.0	7.	5.52	1.07
1910.0	14.	65.	18.3	1.0	6.	5.70	1.13
1911.0	15.	64.	18.7	1.0	6.	5.88	1.19
1912.0	16.	64.	19.0	1.0	8.	6.07	1.26
1913.0	14.	65.	18.5	1.0	10.	6.26	1.33
1914.0	12.	69.	17.7	1.0	13.	6.44	1.39
1915.0	11.	69.	17.5	1.0	13.	6.61	1.44
1916.0	17.	65.	19.2	1.0	12.	6.80	1.50
1917.0	21.	62.	20.2	1.0	10.	7.00	1.58
1918.0	23.	61.	20.6	1.0	6.	7.21	1.66
1919.0	21.	61.	20.1	1.0	6.	7.41	1.74
1920.0	18.	63.	19.4	1.0	6.	7.60	1.81
1921.0	19.	62.	19.7	1.0	4.	7.80	1.88
1922.0	20.	62.	20.0	0.9	3.	8.00	1.96
1923.0	23.	60.	20.7	1.0	3.	8.20	2.04
1924.0	27.	60.	21.4	1.0	5.	8.42	2.12
1925.0	27.	61.	21.5	1.0	6.	8.63	2.21
1926.0	24.	63.	20.9	1.0	6.	8.84	2.29
1927.0	23.	65.	20.6	1.0	8.	9.05	2.36
1928.0	30.	62.	21.8	1.0	4.	9.26	2.44
1929.0	30.	62.	21.9	1.0	4.	9.48	2.52
1930.0	28.	65.	21.5	1.0	5.	9.70	2.60
1931.0	30.	62.	22.0	1.0	6.	9.92	2.68
1932.0	30.	62.	21.9	1.0	4.	10.14	2.76
1933.0	28.	63.	21.6	0.9	4.	10.35	2.85
1934.0	29.	62.	21.8	0.8	3.	10.57	2.93
1935.0	33.	60.	22.4	0.8	2.	10.79	3.01
1936.0	34.	59.	22.6	0.8	2.	11.02	3.11
1937.0	33.	62.	22.5	0.8	2.	11.24	3.19
1938.0	29.	65.	21.7	0.9	3.	11.46	3.27
1939.0	21.	69.	20.3	1.0	3.	11.67	3.34
1940.0	16.	72.	19.0	1.0	7.	11.86	3.39
1941.0	19.	70.	19.7	1.0	8.	12.05	3.45
1942.0	30.	65.	21.9	1.0	4.	12.27	3.52
1943.0	26.	67.	21.3	1.0	6.	12.48	3.59
1944.0	22.	68.	20.5	1.0	7.	12.69	3.66
1945.0	15.	74.	18.6	1.0	8.	12.88	3.71
1946.0	12.	78.	17.8	1.0	8.	13.06	3.75
1947.0	12.	77.	17.9	1.0	6.	13.24	3.79
1948.0	13.	76.	18.2	1.0	7.	13.42	3.84
1949.0	15.	73.	18.8	1.0	7.	13.61	3.89
1950.0	15.	74.	18.6	1.0	5.	13.80	3.94
1951.0	16.	75.	19.0	1.0	4.	13.99	3.98
1952.0	17.	76.	19.2	1.0	4.	14.18	4.03
1953.0	16.	80.	19.1	1.0	3.	14.37	4.07
1954.0	10.	88.	17.2	1.0	6.	14.54	4.10
1955.0	9.	88.	16.6	1.0	8.	14.71	4.11
1956.0	10.	83.	17.1	1.0	7.	14.88	4.14

Dresser Atlas

CITIES SERVICE OIL COMPANY
MADISON NO. 5

OWL

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYCARB GM/CC	CLAY %	CUM POR. FEET	CUM. HYCARB FEET
1957.0	13.	77.	18.2	1.0	7.	15.06	4.18
1958.0	12.	76.	18.0	1.0	11.	15.24	4.22
1959.0	2.	100.	12.3	1.0	25.	15.39	4.24
1970.0	0.	100.	0.0	1.0	0.	15.40	4.24
1971.0	0.	100.	0.0	1.0	0.	15.40	4.24

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