

CITIES SERVICE
MADISON #1

11-225-11E

OWLL

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1730.0	145.1	0.6	4.3	6.0	100.0	0.0	100.0
1730.5	144.8	0.6	4.2	6.2	100.0	0.0	100.0
1731.0	145.1	0.4	4.2	6.1	100.0	0.0	100.0
1731.5	145.9	0.3	4.1	5.6	100.0	0.0	100.0
1732.0	146.6	0.2	4.1	5.5	100.0	0.0	100.0
1732.5	147.4	0.2	4.1	5.8	100.0	0.0	100.0
1733.0	147.6	0.1	4.0	6.0	100.0	0.0	100.0
1733.5	146.8	0.2	4.0	6.1	100.0	0.0	100.0
1734.0	148.0	0.1	4.0	5.9	100.0	0.0	100.0
1734.5	155.5	0.0	3.9	5.7	100.0	0.0	100.0
1735.0	157.8	0.0	3.9	5.7	100.0	0.0	100.0
1735.5	157.1	0.0	3.9	5.8	100.0	0.0	100.0
1736.0	156.1	0.0	4.0	6.0	100.0	0.0	100.0
1736.5	158.5	0.0	4.2	6.1	100.0	0.0	100.0
1737.0	160.2	0.0	4.3	6.1	100.0	0.0	100.0
1737.5	160.5	0.0	4.5	6.0	100.0	0.0	100.0
1738.0	149.9	0.1	4.7	6.2	100.0	0.0	100.0
1738.5	147.6	0.1	4.9	6.3	100.0	0.0	100.0
1739.0	140.9	0.3	5.0	7.3	100.0	0.0	100.0
1739.5	134.7	0.4	5.1	8.2	100.0	0.0	100.0
1740.0	124.9	0.2	5.3	10.0	100.0	0.0	100.0
1740.5	114.4	0.3	5.5	11.4	100.0	0.0	100.0
1741.0	103.9	0.4	5.7	8.7	100.0	0.0	100.0
1741.5	101.5	0.5	5.9	7.2	100.0	0.0	100.0
1742.0	102.8	0.7	6.0	8.0	100.0	0.0	100.0
1742.5	108.2	0.9	5.9	9.0	100.0	0.0	100.0
1743.0	110.4	1.6	5.7	10.1	100.0	0.0	100.0
1743.5	112.8	1.8	5.7	9.9	100.0	0.0	100.0
1744.0	116.8	1.9	5.6	9.0	100.0	0.0	100.0
1744.5	120.9	1.6	5.5	8.1	100.0	0.0	100.0
1745.0	127.4	1.2	5.5	7.2	100.0	0.0	100.0
1745.5	132.1	0.8	5.5	7.1	100.0	0.0	100.0
1746.0	136.6	0.2	5.4	7.0	100.0	0.0	100.0
1746.5	140.2	0.1	5.5	7.1	100.0	0.0	100.0
1747.0	142.5	0.1	5.7	7.6	100.0	0.0	100.0
1747.5	143.2	0.1	5.9	8.4	100.0	0.0	100.0
1748.0	144.3	0.1	6.2	9.2	100.0	0.0	100.0
1748.5	145.8	0.1	6.7	9.3	100.0	0.0	100.0
1749.0	150.0	0.1	7.1	9.3	100.0	0.0	100.0
1749.5	154.9	0.0	7.6	10.9	100.0	0.0	100.0
1750.0	157.4	0.0	8.0	13.8	100.0	0.0	100.0
1750.5	173.8	0.0	8.6	11.4	100.0	0.0	100.0
1751.0	196.2	0.0	9.2	10.2	100.0	0.0	100.0
1751.5	218.8	0.0	9.8	10.6	100.0	0.0	100.0
1752.0	258.0	0.0	9.3	13.6	100.0	0.0	100.0

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DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1752.5	341.2	0.0	8.8	15.4	100.0	0.0	100.0
1753.0	343.8	0.0	8.1	15.9	100.0	0.0	100.0
1753.5	329.9	0.0	7.9	12.1	100.0	0.0	100.0
1754.0	302.8	0.0	7.8	7.0	100.0	0.0	100.0
1754.5	233.0	0.0	7.6	6.2	100.0	0.0	100.0
1755.0	182.6	0.0	7.5	6.1	100.0	0.0	100.0
1755.5	139.3	0.1	7.3	7.4	100.0	0.0	100.0
1756.0	124.1	0.1	7.2	9.5	100.0	0.0	100.0
1756.5	118.3	0.1	7.3	10.8	100.0	0.0	100.0
1757.0	117.4	0.1	7.6	11.7	100.0	0.0	100.0
1757.5	117.4	0.1	7.9	12.6	100.0	0.0	100.0
1758.0	117.4	0.1	8.2	13.1	100.0	0.0	100.0
1758.5	115.9	0.1	8.6	11.3	100.0	0.0	100.0
1759.0	113.8	0.4	8.8	10.1	100.0	0.0	100.0
1759.5	111.9	1.4	8.4	9.0	100.0	0.0	100.0
1760.0	115.3	1.8	8.1	8.6	100.0	0.0	100.0
1760.5	122.2	1.6	7.9	8.3	100.0	0.0	100.0
1761.0	125.5	1.3	7.8	8.2	100.0	0.0	100.0
1761.5	128.8	1.1	7.5	8.1	100.0	0.0	100.0
1762.0	130.3	0.9	7.2	8.1	100.0	0.0	100.0
1762.5	130.5	0.9	6.9	8.1	100.0	0.0	100.0
1763.0	131.4	0.9	6.6	8.1	100.0	0.0	100.0
1763.5	133.6	1.0	6.4	8.0	100.0	0.0	100.0
1764.0	136.4	1.0	6.1	7.9	100.0	0.0	100.0
1764.5	134.1	1.7	5.7	7.7	100.0	0.0	100.0
1765.0	130.4	2.8	5.2	6.9	100.0	0.0	100.0
1765.5	125.4	4.7	4.8	6.3	100.0	0.0	100.0
1766.0	117.2	7.2	4.4	5.9	100.0	0.0	100.0
1766.5	113.6	7.6	4.3	5.2	100.0	0.0	100.0
1767.0	111.8	7.6	4.2	5.1	100.0	0.0	100.0
1767.5	114.9	6.9	4.1	5.2	100.0	0.0	100.0
1768.0	122.1	5.4	4.1	5.5	100.0	0.0	100.0
1768.5	128.6	4.5	4.1	6.0	100.0	0.0	100.0
1769.0	138.6	2.5	4.1	6.8	100.0	0.0	100.0
1769.5	151.6	0.0	4.1	6.9	100.0	0.0	100.0
1770.0	159.3	0.0	4.2	6.4	100.0	0.0	100.0
1770.5	157.4	0.0	4.2	6.3	100.0	0.0	100.0
1771.0	164.4	0.0	4.0	6.2	100.0	0.0	100.0
1771.5	164.7	0.0	3.9	5.8	100.0	0.0	100.0
1772.0	160.6	0.0	3.7	5.1	100.0	0.0	100.0
1772.5	159.1	0.0	3.6	4.6	100.0	0.0	100.0
1773.0	159.7	0.0	3.5	4.7	100.0	0.0	100.0
1773.5	160.3	0.0	3.4	4.9	100.0	0.0	100.0
1774.0	160.6	0.0	3.3	5.1	100.0	0.0	100.0
1774.5	162.6	0.0	3.2	5.2	100.0	0.0	100.0

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1775.0	167.1	0.0	3.2	5.3	100.0	0.0	100.0
1775.5	172.0	0.0	3.3	5.3	100.0	0.0	100.0
1776.0	176.1	0.0	3.5	5.3	100.0	0.0	100.0
1776.5	181.7	0.0	3.7	5.7	100.0	0.0	100.0
1777.0	187.4	0.0	3.9	7.6	100.0	0.0	100.0
1777.5	186.6	0.0	4.2	17.6	100.0	0.0	100.0
1778.0	177.9	0.0	4.7	16.5	100.0	0.0	100.0
1778.5	138.0	0.1	5.2	11.6	100.0	0.0	100.0
1779.0	132.1	0.1	5.6	5.9	100.0	0.0	100.0
1779.5	130.1	0.1	6.0	7.2	100.0	0.0	100.0
1780.0	128.0	0.1	6.4	9.3	100.0	0.0	100.0
1780.5	123.2	0.1	6.6	10.6	100.0	0.0	100.0
1781.0	118.8	0.1	7.0	10.9	100.0	0.0	100.0
1781.5	115.1	1.7	7.4	10.8	100.0	0.0	100.0
1782.0	112.8	3.0	7.8	10.9	100.0	0.0	100.0
1782.5	110.7	3.6	8.1	10.2	100.0	0.0	100.0
1783.0	112.0	3.7	8.3	9.1	100.0	0.0	100.0
1783.5	111.7	3.6	8.3	8.6	100.0	0.0	100.0
1784.0	112.0	3.4	8.2	8.1	100.0	0.0	100.0
1784.5	113.7	2.9	7.7	7.8	100.0	0.0	100.0
1785.0	117.3	2.1	7.4	7.6	100.0	0.0	100.0
1785.5	121.3	1.5	7.3	7.6	100.0	0.0	100.0
1786.0	124.5	1.1	7.2	7.7	100.0	0.0	100.0
1786.5	127.5	0.8	7.1	7.8	100.0	0.0	100.0
1787.0	130.8	0.3	7.0	7.8	100.0	0.0	100.0
1787.5	134.5	0.1	6.9	7.7	100.0	0.0	100.0
1788.0	139.4	0.1	6.9	7.5	100.0	0.0	100.0
1788.5	138.7	0.1	7.0	7.4	100.0	0.0	100.0
1789.0	138.4	0.2	7.0	7.5	100.0	0.0	100.0
1789.5	139.2	0.7	7.0	7.6	100.0	0.0	100.0
1790.0	138.9	0.8	6.9	7.7	100.0	0.0	100.0
1790.5	137.6	1.0	6.9	7.7	100.0	0.0	100.0
1791.0	137.2	1.2	6.9	7.7	100.0	0.0	100.0
1791.5	137.7	1.2	6.9	7.7	100.0	0.0	100.0
1792.0	139.5	1.0	7.0	7.6	100.0	0.0	100.0
1792.5	142.1	0.8	7.0	7.5	100.0	0.0	100.0
1793.0	142.6	0.7	7.0	7.5	100.0	0.0	100.0
1793.5	142.6	0.7	7.0	7.5	100.0	0.0	100.0
1794.0	142.4	0.7	7.0	7.5	100.0	0.0	100.0
1794.5	141.4	0.7	7.0	7.5	100.0	0.0	100.0
1795.0	143.4	0.6	6.9	7.5	100.0	0.0	100.0
1795.5	143.9	0.5	6.8	7.5	100.0	0.0	100.0
1796.0	144.4	0.5	6.9	7.5	100.0	0.0	100.0
1796.5	144.5	0.5	6.6	7.4	100.0	0.0	100.0
1797.0	144.2	0.6	6.4	7.2	100.0	0.0	100.0

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DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1797.5	143.2	0.8	6.2	7.1	100.0	0.0	100.0
1798.0	139.0	1.3	6.0	6.9	100.0	0.0	100.0
1798.5	141.0	1.1	5.9	6.7	100.0	0.0	100.0
1799.0	141.5	0.9	5.9	6.6	100.0	0.0	100.0
1799.5	142.0	0.8	5.9	6.8	100.0	0.0	100.0
1800.0	142.9	0.7	5.9	7.0	100.0	0.0	100.0
1800.5	143.8	0.6	5.9	7.1	100.0	0.0	100.0
1801.0	143.3	0.6	6.1	7.2	100.0	0.0	100.0
1801.5	141.4	0.7	6.3	7.6	100.0	0.0	100.0
1802.0	138.8	0.9	6.4	8.0	100.0	0.0	100.0
1802.5	138.9	0.9	6.5	8.4	100.0	0.0	100.0
1803.0	139.7	0.9	6.6	8.5	100.0	0.0	100.0
1803.5	140.1	0.9	6.9	8.6	100.0	0.0	100.0
1804.0	140.5	0.8	7.1	8.7	100.0	0.0	100.0
1804.5	140.9	0.7	7.2	8.7	100.0	0.0	100.0
1805.0	140.4	0.6	7.3	8.7	100.0	0.0	100.0
1805.5	139.9	0.5	7.5	8.6	100.0	0.0	100.0
1806.0	138.7	0.5	7.6	8.6	100.0	0.0	100.0
1806.5	135.9	0.6	7.7	8.7	100.0	0.0	100.0
1807.0	129.6	0.9	7.9	8.8	100.0	0.0	100.0
1807.5	125.3	1.1	8.0	9.0	100.0	0.0	100.0
1808.0	121.6	1.2	8.2	9.2	100.0	0.0	100.0
1808.5	117.3	1.3	8.5	9.6	100.0	0.0	100.0
1809.0	108.1	1.7	8.8	10.3	100.0	0.0	100.0
1809.5	102.2	1.9	9.1	11.6	100.0	0.0	100.0
1810.0	86.4	2.0	9.2	12.7	100.0	0.0	100.0
1810.5	77.6	2.3	8.9	15.8	100.0	0.0	100.0
1811.0	73.4	2.5	8.6	15.8	100.0	0.0	100.0
1811.5	80.7	2.9	8.3	12.6	100.0	0.0	100.0
1812.0	92.4	3.4	7.9	7.9	100.0	0.0	100.0
1812.5	105.2	3.6	7.4	6.7	100.0	0.0	100.0
1813.0	117.3	3.5	6.5	7.9	100.0	0.0	100.0
1813.5	124.4	3.0	5.5	9.7	100.0	0.0	100.0
1814.0	131.7	2.4	4.6	9.1	100.0	0.0	100.0
1814.5	140.5	1.3	4.1	5.3	100.0	0.0	100.0
1815.0	147.3	0.4	3.9	4.4	100.0	0.0	100.0
1815.5	151.7	0.0	3.8	4.0	100.0	0.0	100.0
1816.0	156.9	0.0	3.6	4.7	100.0	0.0	100.0
1816.5	168.8	0.0	3.5	5.8	100.0	0.0	100.0
1817.0	171.2	0.0	3.7	6.9	100.0	0.0	100.0
1817.5	178.7	0.0	3.9	6.8	100.0	0.0	100.0
1818.0	183.2	0.0	4.1	6.7	100.0	0.0	100.0
1818.5	193.5	0.0	4.5	7.0	100.0	0.0	100.0
1819.0	200.5	0.0	4.8	7.5	100.0	0.0	100.0
1819.5	206.1	0.0	5.0	9.3	100.0	0.0	100.0

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1820.0	212.0	0.0	5.2	10.6	100.0	0.0	100.0
1820.5	215.8	0.0	5.2	7.3	100.0	0.0	100.0
1821.0	207.1	0.0	5.3	6.6	100.0	0.0	100.0
1821.5	194.5	0.0	5.3	6.7	100.0	0.0	100.0
1822.0	198.4	0.0	5.4	7.0	100.0	0.0	100.0
1822.5	205.2	0.0	5.6	7.0	100.0	0.0	100.0
1823.0	206.2	0.0	5.7	6.9	100.0	0.0	100.0
1823.5	202.9	0.0	5.9	7.3	100.0	0.0	100.0
1824.0	190.6	0.0	6.1	7.8	100.0	0.0	100.0
1824.5	186.4	0.0	6.3	8.9	100.0	0.0	100.0
1825.0	183.7	0.0	6.3	9.3	100.0	0.0	100.0
1825.5	135.8	4.0	6.3	8.2	100.0	0.0	100.0
1826.0	110.7	9.5	6.3	7.5	100.0	0.0	100.0
1826.5	108.0	9.4	6.2	7.1	100.0	0.0	100.0
1827.0	108.2	8.2	6.1	6.8	100.0	0.0	100.0
1827.5	108.0	7.7	6.0	6.4	100.0	0.0	100.0
1828.0	107.4	7.0	5.8	6.5	100.0	0.0	100.0
1828.5	107.1	6.6	5.7	6.7	100.0	0.0	100.0
1829.0	109.2	6.0	5.7	6.9	100.0	0.0	100.0
1829.5	111.5	5.8	5.7	7.2	100.0	0.0	100.0
1830.0	113.8	6.8	5.8	7.5	100.0	0.0	100.0
1830.5	115.3	6.9	5.9	7.8	100.0	0.0	100.0
1831.0	115.6	6.9	6.0	7.5	100.0	0.0	100.0
1831.5	113.5	7.4	6.1	7.3	100.0	0.0	100.0
1832.0	111.2	8.2	6.3	7.2	100.0	0.0	100.0
1832.5	109.8	8.9	6.4	7.2	100.0	0.0	100.0
1833.0	108.5	9.7	6.4	7.0	100.0	0.0	100.0
1833.5	104.1	10.3	6.5	6.8	98.6	1.4	98.6
1834.0	101.4	10.1	6.5	6.7	100.0	0.0	100.0
1834.5	102.1	9.7	6.5	6.8	100.0	0.0	100.0
1835.0	103.0	10.0	6.6	7.2	100.0	0.0	100.0
1835.5	103.2	10.5	6.6	7.5	96.5	3.5	96.5
1836.0	102.0	11.2	6.6	7.4	90.7	9.3	90.7
1836.5	101.7	11.7	6.6	6.7	87.0	13.0	87.0
1837.0	102.2	12.0	6.6	6.3	85.1	14.9	85.1
1837.5	101.7	12.0	6.6	6.0	85.3	14.7	85.3
1838.0	100.3	9.4	6.6	6.0	100.0	0.0	100.0
1838.5	101.0	6.2	6.6	6.6	100.0	0.0	100.0
1839.0	104.0	2.1	6.6	7.2	100.0	0.0	100.0
1839.5	107.0	1.2	6.6	7.7	100.0	0.0	100.0
1840.0	110.6	2.8	6.6	8.2	100.0	0.0	100.0
1840.5	111.3	3.9	6.6	8.2	100.0	0.0	100.0
1841.0	107.7	10.3	6.4	7.5	98.7	1.3	98.7
1841.5	99.6	13.9	6.3	6.7	76.2	23.8	76.2
1842.0	94.0	14.1	6.2	6.1	75.8	24.2	75.8

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DEPTH	GR	POR	RT	RXO	SXO	RCS	SW
1842.5	86.5	13.3	6.1	5.9	81.0	19.0	81.0
1843.0	79.2	12.8	6.0	6.3	84.5	15.5	84.5
1843.5	75.7	12.3	5.9	6.7	87.9	12.1	87.9
1844.0	73.8	11.7	6.2	7.3	89.9	10.1	89.9
1844.5	72.6	10.5	6.5	8.3	97.1	2.9	97.1
1845.0	71.5	9.5	7.1	9.9	100.0	0.0	100.0
1845.5	70.3	7.7	7.5	12.1	100.0	0.0	100.0
1846.0	69.4	4.8	7.7	50.4	100.0	0.0	100.0
1846.5	68.3	4.3	7.9	61.1	100.0	0.0	100.0
1847.0	67.8	4.8	8.0	31.6	100.0	0.0	100.0
1847.5	67.3	6.0	8.0	18.0	100.0	0.0	100.0
1848.0	67.2	8.0	7.8	8.4	100.0	0.0	100.0
1848.5	71.1	10.8	7.4	6.7	87.9	12.1	87.9
1849.0	73.6	13.0	6.9	5.8	77.7	22.3	77.7
1849.5	75.9	14.0	6.4	5.2	75.1	24.9	75.1
1850.0	78.5	15.0	6.0	5.4	73.1	26.9	73.1
1850.5	79.2	18.0	5.6	5.5	63.9	36.1	63.9
1851.0	78.2	20.9	5.5	5.7	56.2	43.8	56.2
1851.5	76.4	20.9	5.4	5.8	56.8	43.2	56.8
1852.0	73.4	20.7	5.4	6.0	57.2	42.8	57.2
1852.5	70.9	20.5	5.4	6.2	57.6	42.4	57.6
1853.0	69.4	20.5	5.6	6.3	57.0	43.0	57.0
1853.5	68.5	20.6	5.7	6.3	56.1	43.9	56.1
1854.0	69.5	20.8	5.7	6.3	55.5	44.5	55.5
1854.5	70.2	21.0	5.7	6.3	54.9	45.1	54.9
1855.0	72.0	21.2	5.8	6.2	54.4	45.6	54.4
1855.5	73.8	21.1	5.8	6.2	54.3	45.7	54.3
1856.0	75.3	21.2	5.8	6.1	54.3	45.7	54.3
1856.5	76.8	21.3	5.8	6.0	54.3	45.7	54.3
1857.0	76.9	21.4	5.7	5.9	54.3	45.7	54.3
1857.5	74.9	21.2	5.6	5.9	55.0	45.0	55.0
1858.0	72.9	21.1	5.6	5.8	55.6	44.4	55.6
1858.5	73.4	20.9	5.5	5.8	56.2	43.8	56.2
1859.0	74.4	20.4	5.7	6.0	56.6	43.4	56.6
1859.5	75.4	19.8	5.9	6.3	57.3	42.7	57.3
1860.0	76.5	19.0	6.2	6.8	57.9	42.1	57.9
1860.5	77.0	15.7	6.7	8.0	66.2	33.8	66.2
1861.0	76.3	7.0	7.3	8.7	100.0	0.0	100.0
1861.5	74.5	0.9	7.8	10.8	100.0	0.0	100.0
1862.0	70.1	0.1	8.4	24.8	100.0	0.0	100.0
1862.5	65.1	1.5	9.2	35.4	100.0	0.0	100.0
1863.0	60.8	2.8	10.1	29.1	100.0	0.0	100.0
1863.5	57.4	4.1	10.7	18.3	100.0	0.0	100.0
1864.0	55.9	9.0	10.8	13.8	86.5	13.5	86.5
1864.5	60.0	11.7	9.8	11.4	71.8	28.2	71.8

OWLL

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8-5

CITIES SERVICE
MADISON #1

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1865.0	63.4	16.1	8.9	7.8	56.5	43.5	56.5
1865.5	65.6	20.4	7.8	6.1	48.6	51.4	48.6
1866.0	67.3	22.0	6.5	5.3	49.7	50.3	49.7
1866.5	69.0	22.7	6.0	5.0	50.0	50.0	50.0
1867.0	70.2	23.1	5.5	5.0	51.5	48.5	51.5
1867.5	71.0	23.0	5.1	4.9	53.8	46.2	53.8
1868.0	73.1	22.6	4.8	4.9	56.2	43.8	56.2
1868.5	75.1	22.4	4.5	4.9	58.6	41.4	58.6
1869.0	75.3	22.7	4.3	4.9	58.9	41.1	58.9
1869.5	75.4	20.9	4.2	4.8	64.2	35.8	64.2
1870.0	76.6	21.0	4.2	5.0	63.8	36.2	63.8
1870.5	78.4	21.2	4.3	5.8	62.6	37.4	62.6
1871.0	80.3	21.4	4.4	6.8	61.3	38.7	61.3
1871.5	84.7	22.0	4.6	7.5	58.9	41.1	58.9
1872.0	88.7	22.6	4.7	6.8	56.6	43.4	56.6
1872.5	92.8	23.2	4.9	6.0	54.5	45.5	54.5
1873.0	95.3	23.5	5.1	5.1	52.7	47.3	52.7
1873.5	100.7	23.5	5.3	5.2	51.7	48.3	51.7
1874.0	107.1	14.6	5.4	6.1	78.2	21.8	78.2
1874.5	110.0	6.2	5.6	7.3	100.0	0.0	100.0
1875.0	113.2	3.7	5.7	8.0	100.0	0.0	100.0
1875.5	119.8	2.2	5.8	7.4	100.0	0.0	100.0
1876.0	124.2	1.9	5.8	6.8	100.0	0.0	100.0
1876.5	124.1	1.7	5.8	6.4	100.0	0.0	100.0
1877.0	120.2	2.7	5.7	6.1	100.0	0.0	100.0
1877.5	115.2	5.4	5.6	6.0	100.0	0.0	100.0
1878.0	108.2	8.7	5.6	5.8	100.0	0.0	100.0
1878.5	100.7	12.8	5.5	5.6	87.9	12.1	87.9
1879.0	96.9	19.3	5.3	5.3	61.5	38.5	61.5
1879.5	92.9	21.4	5.2	5.3	56.7	43.3	56.7
1880.0	89.5	22.2	5.1	5.2	55.5	44.5	55.5
1880.5	87.6	22.7	4.9	5.0	55.1	44.9	55.1
1881.0	84.1	22.7	4.8	4.8	55.9	44.1	55.9
1881.5	82.6	22.3	4.6	4.7	57.8	42.2	57.8
1882.0	81.7	21.3	4.5	4.7	61.2	38.8	61.2
1882.5	80.7	20.7	4.4	4.6	63.7	36.3	63.7
1883.0	79.6	20.5	4.3	4.5	65.0	35.0	65.0
1883.5	78.9	19.8	4.2	4.4	67.4	32.6	67.4
1884.0	83.9	19.0	4.2	4.5	70.3	29.7	70.3
1884.5	88.4	16.1	4.3	5.1	80.8	19.2	80.8
1885.0	91.3	13.9	4.4	5.8	90.9	9.1	90.9
1885.5	92.3	12.9	4.5	6.3	96.4	3.6	96.4
1886.0	94.9	13.6	4.6	6.9	90.0	10.0	90.0
1886.5	95.9	15.3	4.8	6.7	79.5	20.5	79.5
1887.0	96.1	19.4	5.0	6.1	63.0	37.0	63.0

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CITIES SERVICE

MADISON #1

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1887.5	93.8	21.3	5.0	5.5	57.7	42.3	57.7
1888.0	91.3	22.1	5.0	5.1	55.8	44.2	55.8
1888.5	87.2	22.4	4.9	4.6	55.9	44.1	55.9
1889.0	84.7	22.5	4.8	4.4	56.4	43.6	56.4
1889.5	81.3	22.4	4.6	4.2	57.4	42.6	57.4
1890.0	77.2	22.3	4.5	4.2	58.4	41.6	58.4
1890.5	75.3	22.4	4.4	4.5	58.9	41.1	58.9
1891.0	75.4	22.6	4.3	4.7	59.1	40.9	59.1
1891.5	77.3	22.9	4.2	4.8	59.4	40.6	59.4
1892.0	78.6	23.1	4.0	4.9	60.1	39.9	60.1
1892.5	79.7	23.6	3.9	5.0	59.9	40.1	59.9
1893.0	79.7	24.0	3.9	4.8	59.2	40.8	59.2
1893.5	80.1	24.2	3.8	4.5	59.3	40.7	59.3
1894.0	81.7	24.7	3.7	4.4	58.9	41.1	58.9
1894.5	82.8	24.8	3.6	4.3	59.3	40.7	59.3
1895.0	83.0	24.5	3.5	4.3	60.6	39.4	60.6
1895.5	84.0	24.0	3.5	4.3	61.9	38.1	61.9
1896.0	84.8	23.6	3.5	4.3	63.1	36.9	63.1
1896.5	86.3	23.2	3.5	4.4	64.0	36.0	64.0
1897.0	88.4	22.8	3.5	4.5	64.8	35.2	64.8
1897.5	87.8	22.5	3.5	4.7	65.4	34.6	65.4
1898.0	86.3	22.3	3.5	4.7	66.0	34.0	66.0
1898.5	84.5	22.1	3.5	4.6	66.4	33.6	66.4
1899.0	82.3	22.2	3.5	4.5	66.0	34.0	66.0
1899.5	80.1	22.7	3.6	4.2	64.4	35.6	64.4
1900.0	79.0	23.3	3.6	4.2	62.4	37.6	62.4
1900.5	78.6	23.5	3.7	4.4	61.6	38.4	61.6
1901.0	78.6	23.5	3.7	4.7	61.2	38.8	61.2
1901.5	78.6	23.8	3.8	4.9	60.4	39.6	60.4
1902.0	78.8	24.1	3.8	4.7	58.9	41.1	58.9
1902.5	79.0	24.4	3.9	4.4	57.6	42.4	57.6
1903.0	79.1	24.4	4.0	4.6	57.3	42.7	57.3
1903.5	79.2	24.4	4.0	4.9	56.9	43.1	56.9
1904.0	79.1	24.5	4.1	5.0	56.3	43.7	56.3
1904.5	78.7	25.0	4.1	4.8	55.1	44.9	55.1
1905.0	77.6	25.1	4.2	4.7	54.6	45.4	54.6
1905.5	76.9	25.0	4.2	4.9	54.4	45.6	54.4
1906.0	78.4	24.4	4.3	5.0	55.4	44.6	55.4
1906.5	81.1	23.8	4.3	5.0	56.7	43.3	56.7
1907.0	82.7	23.2	4.3	5.0	57.7	42.3	57.7
1907.5	84.6	22.8	4.3	5.0	58.4	41.6	58.4
1908.0	85.7	23.0	4.4	5.4	57.6	42.4	57.6
1908.5	86.3	23.3	4.5	5.6	56.4	43.6	56.4
1909.0	87.3	23.7	4.6	5.5	54.8	45.2	54.8
1909.5	87.4	23.6	4.7	5.3	54.2	45.8	54.2

OWLL

CITIES SERVICE
MADISON #1

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1910.0	88.5	22.9	4.9	5.1	55.0	45.0	55.0
1910.5	93.5	21.7	5.0	5.3	56.7	43.3	56.7
1911.0	101.7	20.2	5.2	5.8	59.7	40.3	59.7
1911.5	107.5	16.8	5.3	6.6	69.8	30.2	69.8
1912.0	116.1	10.6	5.4	7.0	100.0	0.0	100.0
1912.5	119.6	6.7	5.6	6.9	100.0	0.0	100.0
1913.0	121.7	4.7	5.8	7.2	100.0	0.0	100.0
1913.5	122.4	1.2	6.0	8.4	100.0	0.0	100.0
1914.0	121.5	1.7	5.8	8.3	100.0	0.0	100.0
1914.5	120.4	2.2	5.6	6.7	100.0	0.0	100.0
1915.0	119.7	2.6	5.3	5.7	100.0	0.0	100.0
1915.5	120.3	2.2	5.1	5.2	100.0	0.0	100.0
1916.0	127.8	1.2	5.0	5.2	100.0	0.0	100.0
1916.5	132.6	0.7	4.8	5.5	100.0	0.0	100.0
1917.0	136.9	0.4	4.7	6.0	100.0	0.0	100.0
1917.5	140.6	0.2	4.8	6.1	100.0	0.0	100.0
1918.0	141.9	0.1	4.8	6.1	100.0	0.0	100.0
1918.5	141.9	0.2	4.8	6.1	100.0	0.0	100.0
1919.0	142.6	0.2	4.8	6.0	100.0	0.0	100.0
1919.5	143.5	0.2	4.9	6.0	100.0	0.0	100.0
1920.0	144.2	0.1	5.2	6.1	100.0	0.0	100.0
1920.5	145.0	0.1	5.6	6.5	100.0	0.0	100.0
1921.0	146.3	0.1	6.0	7.1	100.0	0.0	100.0
1921.5	146.8	0.1	6.9	7.6	100.0	0.0	100.0
1922.0	146.8	0.1	7.3	8.4	100.0	0.0	100.0
1922.5	147.1	0.1	7.7	10.8	100.0	0.0	100.0
1923.0	147.8	0.1	7.9	10.2	100.0	0.0	100.0
1923.5	148.0	0.1	7.8	8.9	100.0	0.0	100.0
1924.0	149.0	0.1	7.5	8.0	100.0	0.0	100.0
1924.5	153.4	0.0	7.1	6.9	100.0	0.0	100.0
1925.0	157.5	0.0	6.6	6.4	100.0	0.0	100.0
1925.5	162.9	0.0	6.2	5.9	100.0	0.0	100.0
1926.0	169.1	0.0	5.9	5.2	100.0	0.0	100.0
1926.5	178.9	0.0	5.8	5.1	100.0	0.0	100.0
1927.0	183.5	0.0	5.7	5.1	100.0	0.0	100.0
1927.5	179.8	0.0	5.6	5.5	100.0	0.0	100.0
1928.0	171.6	0.0	5.6	6.4	100.0	0.0	100.0
1928.5	166.8	0.0	5.5	9.5	100.0	0.0	100.0
1929.0	163.4	0.0	5.5	8.6	100.0	0.0	100.0
1929.5	163.9	0.0	5.7	7.6	100.0	0.0	100.0
1930.0	165.2	0.0	5.9	7.2	100.0	0.0	100.0
1930.5	165.4	0.0	6.1	7.3	100.0	0.0	100.0
1931.0	164.2	0.0	6.3	7.5	100.0	0.0	100.0
1931.5	164.8	0.0	6.3	7.4	100.0	0.0	100.0
1932.0	166.1	0.0	6.3	7.4	100.0	0.0	100.0

Drill Log

OWLL

1911.5
1848.0
0.63.5
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CITIES SERVICE
MADISON #1

DEPTH	GR	POR	RT	RXO	SXO	ROS	SW
1932.5	167.0	0.0	6.4	8.5	100.0	0.0	100.0
1933.0	167.6	0.0	6.5	9.9	100.0	0.0	100.0
1933.5	167.6	0.0	6.7	8.8	100.0	0.0	100.0
1934.0	167.2	0.0	6.8	7.9	100.0	0.0	100.0
1934.5	168.3	0.0	6.8	7.2	100.0	0.0	100.0
1935.0	169.8	0.0	6.8	8.4	100.0	0.0	100.0
1935.5	170.0	0.0	6.9	9.2	100.0	0.0	100.0
1936.0	169.9	0.0	6.8	8.8	100.0	0.0	100.0
1936.5	169.1	0.0	6.7	8.3	100.0	0.0	100.0
1937.0	168.4	0.0	6.7	7.7	100.0	0.0	100.0
1937.5	167.6	0.0	6.6	7.3	100.0	0.0	100.0
1938.0	168.1	0.0	6.5	7.1	100.0	0.0	100.0
1938.5	168.2	0.0	6.5	6.9	100.0	0.0	100.0
1939.0	167.4	0.0	6.5	6.4	100.0	0.0	100.0
1939.5	166.1	0.0	6.6	6.0	100.0	0.0	100.0
1940.0	165.4	0.0	6.6	5.7	100.0	0.0	100.0
1940.5	164.6	0.0	6.6	5.3	100.0	0.0	100.0
1941.0	164.5	0.0	6.6	5.1	100.0	0.0	100.0
1941.5	164.3	0.0	6.6	4.9	100.0	0.0	100.0
1942.0	164.0	0.0	6.6	5.3	100.0	0.0	100.0
1942.5	163.9	0.0	6.6	5.5	100.0	0.0	100.0
1943.0	163.9	0.0	6.6	5.5	100.0	0.0	100.0
1943.5	163.3	0.0	6.7	5.7	100.0	0.0	100.0
1944.0	162.1	0.0	6.7	5.9	100.0	0.0	100.0

OW 11

CITIES SERVICE OIL COMPANY
 MADISON NO. 1

O.W.L.L.

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYCARB GM/CC	CLAY %	CUM POR. FEET	CUM. HYCARB FEET
1741.0	0.	100.	0.4	1.0	37.	0.02	0.00
1742.0	0.	100.	0.7	1.0	35.	0.03	0.00
1743.0	0.	100.	1.6	1.0	39.	0.04	0.00
1744.0	0.	100.	1.9	1.0	46.	0.06	0.00
1757.0	0.	100.	0.1	1.0	48.	0.08	0.00
1758.0	0.	100.	0.1	1.0	47.	0.08	0.00
1759.0	0.	100.	0.4	1.0	43.	0.09	0.00
1760.0	0.	100.	1.8	1.0	46.	0.10	0.00
1766.0	0.	100.	7.2	1.0	46.	0.23	0.00
1767.0	0.	100.	7.6	1.0	40.	0.30	0.00
1768.0	0.	100.	5.4	1.0	49.	0.37	0.00
1781.0	0.	100.	0.1	1.0	50.	0.40	0.00
1782.0	0.	100.	3.0	1.0	41.	0.43	0.00
1783.0	0.	100.	3.7	1.0	40.	0.46	0.00
1784.0	0.	100.	3.4	1.0	41.	0.50	0.00
1785.0	0.	100.	2.1	1.0	49.	0.52	0.00
1809.0	0.	100.	1.7	1.0	41.	0.71	0.00
1810.0	0.	100.	2.0	1.0	22.	0.73	0.00
1811.0	0.	100.	2.5	1.0	13.	0.75	0.00
1812.0	0.	100.	3.4	1.0	27.	0.79	0.00
1826.0	1.	100.	9.5	1.0	37.	0.92	0.00
1827.0	0.	100.	8.2	1.0	34.	1.01	0.00
1828.0	0.	100.	7.0	1.0	35.	1.09	0.00
1829.0	0.	100.	6.0	1.0	37.	1.15	0.00
1830.0	0.	100.	6.8	1.0	41.	1.21	0.00
1831.0	0.	100.	6.9	1.0	45.	1.28	0.00
1832.0	0.	100.	8.2	1.0	41.	1.36	0.00
1833.0	1.	100.	9.7	1.0	38.	1.45	0.00
1834.0	1.	100.	10.1	1.0	31.	1.55	0.00
1835.0	1.	100.	10.0	1.0	31.	1.65	0.00
1836.0	2.	91.	11.2	1.0	28.	1.76	0.01
1837.0	2.	85.	12.0	1.0	27.	1.88	0.02
1838.0	1.	100.	9.4	1.0	27.	1.99	0.03
1839.0	0.	100.	2.1	1.0	32.	2.03	0.03
1840.0	0.	100.	2.8	1.0	38.	2.05	0.03
1841.0	1.	99.	10.3	1.0	32.	2.12	0.03
1842.0	4.	76.	14.1	1.0	21.	2.26	0.07
1843.0	3.	84.	12.8	1.0	13.	2.39	0.09
1844.0	2.	90.	11.7	1.0	10.	2.51	0.10
1845.0	1.	100.	9.5	1.0	8.	2.61	0.10
1846.0	0.	100.	4.8	1.0	7.	2.67	0.10
1847.0	0.	100.	4.8	1.0	6.	2.72	0.10
1848.0	0.	100.	8.0	1.0	5.	2.79	0.10
1849.0	3.	78.	13.0	1.0	7.	2.90	0.13

CITIES SERVICE OIL COMPANY
MADISON NO. 1

DEPTH	PERM.	WATER	POROSITY	DENSITY	CLAY	CUM	CUM.
	INDEX	SAT.	%	HYCARB	%	POR.	HYCARB
	MD	%	%	GM/CC	%	FEET	FEET
1850.0	6.	73.	15.0	1.0	12.	3.05	0.16
1851.0	24.	56.	20.9	1.0	7.	3.24	0.24
1852.0	23.	57.	20.7	1.0	6.	3.45	0.33
1853.0	22.	57.	20.5	1.0	5.	3.66	0.42
1854.0	24.	55.	20.8	1.0	4.	3.86	0.51
1855.0	26.	54.	21.2	0.9	3.	4.08	0.61
1856.0	26.	54.	21.2	0.9	3.	4.29	0.70
1857.0	27.	54.	21.4	0.9	4.	4.50	0.80
1858.0	25.	56.	21.1	1.0	3.	4.71	0.89
1859.0	22.	57.	20.4	1.0	5.	4.92	0.98
1860.0	16.	58.	19.0	1.0	6.	5.11	1.07
1861.0	0.	100.	7.0	1.0	10.	5.23	1.09
1862.0	0.	100.	0.1	1.0	8.	5.23	1.09
1863.0	0.	100.	2.8	1.0	3.	5.25	1.09
1864.0	1.	86.	9.0	1.0	1.	5.32	1.10
1865.0	8.	56.	16.1	0.8	0.	5.46	1.15
1866.0	30.	50.	22.0	0.5	1.	5.67	1.26
1867.0	38.	52.	23.1	0.8	2.	5.90	1.37
1868.0	34.	56.	22.6	0.8	3.	6.12	1.47
1869.0	35.	59.	22.7	0.8	2.	6.35	1.57
1870.0	25.	64.	21.0	1.0	4.	6.56	1.64
1871.0	27.	61.	21.4	1.0	5.	6.77	1.72
1872.0	34.	57.	22.6	0.9	6.	7.00	1.82
1873.0	41.	53.	23.5	0.8	8.	7.23	1.93
1874.0	5.	78.	14.6	1.0	28.	7.42	2.00
1875.0	0.	100.	3.7	1.0	42.	7.47	2.00
1878.0	1.	100.	8.7	1.0	37.	7.58	2.00
1879.0	17.	61.	19.3	1.0	19.	7.74	2.04
1880.0	32.	56.	22.2	0.9	8.	7.96	2.14
1881.0	35.	56.	22.7	0.8	5.	8.19	2.24
1882.0	26.	61.	21.3	1.0	8.	8.41	2.33
1883.0	22.	65.	20.5	1.0	10.	8.61	2.40
1884.0	16.	70.	19.0	1.0	13.	8.80	2.46
1885.0	4.	91.	13.9	1.0	21.	8.95	2.48
1886.0	4.	90.	13.6	1.0	25.	9.09	2.49
1887.0	18.	63.	19.4	1.0	23.	9.26	2.55
1888.0	31.	56.	22.1	1.0	17.	9.48	2.64
1889.0	34.	56.	22.5	1.0	11.	9.70	2.74
1890.0	32.	58.	22.3	1.0	7.	9.93	2.83
1891.0	34.	59.	22.6	1.0	5.	10.15	2.92
1892.0	38.	60.	23.1	0.9	5.	10.38	3.02
1893.0	44.	59.	24.0	0.8	4.	10.62	3.11
1894.0	51.	59.	24.7	0.8	4.	10.86	3.21
1895.0	49.	61.	24.5	0.8	4.	11.11	3.31
1896.0	41.	63.	23.6	0.9	6.	11.35	3.40
1897.0	36.	65.	22.8	1.0	8.	11.58	3.48
1898.0	32.	66.	22.3	1.0	8.	11.80	3.56
1899.0	32.	66.	22.2	1.0	9.	12.02	3.63
1900.0	39.	62.	23.3	1.0	7.	12.25	3.72

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Dresser Atlas

CITIES SERVICE OIL COMPANY
MADISON NO. 1

DEPTH	PERM.	WATER	POROSITY	DENSITY	CLAY	CUM	CUM.
	INDEX	SAT.	%	HYCARB	%	POR.	HYCARB
	MD	%	%	GM/CC		FEET	FEET
1901.0	41.	61.	23.5	1.0	7.	12.49	3.81
1902.0	45.	59.	24.1	1.0	7.	12.73	3.91
1903.0	48.	57.	24.4	1.0	8.	12.97	4.01
1904.0	49.	56.	24.5	1.0	9.	13.22	4.12
1905.0	54.	55.	25.1	1.0	8.	13.47	4.23
1906.0	48.	55.	24.4	1.0	9.	13.71	4.34
1907.0	38.	58.	23.2	1.0	13.	13.95	4.44
1908.0	37.	58.	23.0	1.0	12.	14.18	4.54
1909.0	42.	55.	23.7	0.9	8.	14.41	4.64
1910.0	36.	55.	22.9	1.0	9.	14.65	4.75
1911.0	21.	60.	20.2	1.0	19.	14.85	4.83
1912.0	1.	100.	10.6	1.0	40.	14.99	4.86

OWLL

Dresser Atlas



OWLL

CITIES SERVICE OIL COMPANY

MADISON NO. 1

11-22S-11E

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYCARB GM/CC	CLAY %	CUM POR. FEET	CUM. HYCARB FEET
1741.0	0.	100.	0.4	1.0	37.	0.02	0.00
1742.0	0.	100.	0.7	1.0	35.	0.03	0.00
1743.0	0.	100.	1.6	1.0	39.	0.04	0.00
1744.0	0.	100.	1.9	1.0	46.	0.06	0.00
1757.0	0.	100.	0.1	1.0	48.	0.08	0.00
1758.0	0.	100.	0.1	1.0	47.	0.08	0.00
1759.0	0.	100.	0.4	1.0	43.	0.09	0.00
1760.0	0.	100.	1.8	1.0	46.	0.10	0.00
1766.0	0.	100.	7.2	1.0	46.	0.23	0.00
1767.0	0.	100.	7.6	1.0	40.	0.30	0.00
1768.0	0.	100.	5.4	1.0	49.	0.37	0.00
1781.0	0.	100.	0.1	1.0	50.	0.40	0.00
1782.0	0.	100.	3.0	1.0	41.	0.43	0.00
1783.0	0.	100.	3.7	1.0	40.	0.46	0.00
1784.0	0.	100.	3.4	1.0	41.	0.50	0.00
1785.0	0.	100.	2.1	1.0	49.	0.52	0.00
1809.0	0.	100.	1.7	1.0	41.	0.71	0.00
1810.0	0.	100.	2.0	1.0	22.	0.73	0.00
1811.0	0.	100.	2.5	1.0	13.	0.75	0.00
1812.0	0.	100.	3.4	1.0	27.	0.79	0.00
1826.0	1.	100.	9.5	1.0	37.	0.92	0.00
1827.0	0.	100.	8.2	1.0	34.	1.01	0.00
1828.0	0.	100.	7.0	1.0	35.	1.09	0.00
1829.0	0.	100.	6.0	1.0	37.	1.15	0.00
1830.0	0.	100.	6.8	1.0	41.	1.21	0.00
1831.0	0.	100.	6.9	1.0	45.	1.28	0.00
1832.0	0.	100.	8.2	1.0	41.	1.36	0.00
1833.0	1.	100.	9.7	1.0	38.	1.45	0.00
1834.0	1.	100.	10.1	1.0	31.	1.55	0.00
1835.0	1.	100.	10.0	1.0	31.	1.65	0.00
1836.0	2.	91.	11.2	1.0	28.	1.76	0.01
1837.0	2.	85.	12.0	1.0	27.	1.88	0.02
1838.0	1.	100.	9.4	1.0	27.	1.99	0.03
1839.0	0.	100.	2.1	1.0	32.	2.03	0.03
1840.0	0.	100.	2.8	1.0	38.	2.05	0.03
1841.0	1.	99.	10.3	1.0	32.	2.12	0.03
1842.0	4.	76.	14.1	1.0	21.	2.26	0.07
1843.0	3.	84.	12.8	1.0	13.	2.39	0.09
1844.0	2.	90.	11.7	1.0	10.	2.51	0.10
1845.0	1.	100.	9.5	1.0	8.	2.61	0.10
1846.0	0.	100.	4.8	1.0	7.	2.67	0.10
1847.0	0.	100.	4.8	1.0	6.	2.72	0.10
1848.0	0.	100.	8.0	1.0	5.	2.79	0.10
1849.0	3.	78.	13.0	1.0	7.	2.90	0.13

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CITIES SERVICE OIL COMPANY
MADISON NO. 1

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYCARB GM/CC	CLAY %	CUM POR. FEET	CUM. HYCARB FEET
1850.0	6.	73.	15.0	1.0	12.	3.05	0.16
1851.0	24.	56.	20.9	1.0	7.	3.24	0.24
1852.0	23.	57.	20.7	1.0	6.	3.45	0.33
1853.0	22.	57.	20.5	1.0	5.	3.66	0.42
1854.0	24.	55.	20.8	1.0	4.	3.86	0.51
1855.0	26.	54.	21.2	0.9	3.	4.08	0.61
1856.0	26.	54.	21.2	0.9	3.	4.29	0.70
1857.0	27.	54.	21.4	0.9	4.	4.50	0.80
1858.0	25.	56.	21.1	1.0	3.	4.71	0.89
1859.0	22.	57.	20.4	1.0	5.	4.92	0.98
1860.0	16.	58.	19.0	1.0	6.	5.11	1.07
1861.0	0.	100.	7.0	1.0	10.	5.23	1.09
1862.0	0.	100.	0.1	1.0	8.	5.23	1.09
1863.0	0.	100.	2.8	1.0	3.	5.25	1.09
1864.0	1.	86.	9.0	1.0	1.	5.32	1.10
1865.0	8.	56.	16.1	0.8	0.	5.46	1.15
1866.0	30.	50.	22.0	0.5	1.	5.67	1.26
1867.0	38.	52.	23.1	0.8	2.	5.90	1.37
1868.0	34.	56.	22.6	0.8	3.	6.12	1.47
1869.0	35.	59.	22.7	0.8	2.	6.35	1.57
1870.0	25.	64.	21.0	1.0	4.	6.56	1.64
1871.0	27.	61.	21.4	1.0	5.	6.77	1.72
1872.0	34.	57.	22.6	0.9	6.	7.00	1.82
1873.0	41.	53.	23.5	0.8	8.	7.23	1.93
1874.0	5.	78.	14.6	1.0	28.	7.42	2.00
1875.0	0.	100.	3.7	1.0	42.	7.47	2.00
1878.0	1.	100.	8.7	1.0	37.	7.58	2.00
1879.0	17.	61.	19.3	1.0	19.	7.74	2.04
1880.0	32.	56.	22.2	0.9	8.	7.96	2.14
1881.0	35.	56.	22.7	0.8	5.	8.19	2.24
1882.0	26.	61.	21.3	1.0	8.	8.41	2.33
1883.0	22.	65.	20.5	1.0	10.	8.61	2.40
1884.0	16.	70.	19.0	1.0	13.	8.80	2.46
1885.0	4.	91.	13.9	1.0	21.	8.95	2.48
1886.0	4.	90.	13.6	1.0	25.	9.09	2.49
1887.0	18.	63.	19.4	1.0	23.	9.26	2.55
1888.0	31.	56.	22.1	1.0	17.	9.48	2.64
1889.0	34.	56.	22.5	1.0	11.	9.70	2.74
1890.0	32.	58.	22.3	1.0	7.	9.93	2.83
1891.0	34.	59.	22.6	1.0	5.	10.15	2.92
1892.0	38.	60.	23.1	0.9	5.	10.38	3.02
1893.0	44.	59.	24.0	0.8	4.	10.62	3.11
1894.0	51.	59.	24.7	0.8	4.	10.86	3.21
1895.0	49.	61.	24.5	0.8	4.	11.11	3.31
1896.0	41.	63.	23.6	0.9	6.	11.35	3.40
1897.0	36.	65.	22.8	1.0	8.	11.58	3.48
1898.0	32.	66.	22.3	1.0	8.	11.80	3.56
1899.0	32.	66.	22.2	1.0	9.	12.02	3.63
1900.0	39.	62.	23.3	1.0	7.	12.25	3.72

OWLL

O-W-L-L

CITIES SERVICE OIL COMPANY
MADISON NO. 1

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYCARB GM/CC	CLAY %	CUM POR. FEET	CUM. HYCARB FEET
1901.0	41.	61.	23.5	1.0	7.	12.49	3.81
1902.0	45.	59.	24.1	1.0	7.	12.73	3.91
1903.0	48.	57.	24.4	1.0	8.	12.97	4.01
1904.0	49.	56.	24.5	1.0	9.	13.22	4.12
1905.0	54.	55.	25.1	1.0	8.	13.47	4.23
1906.0	48.	55.	24.4	1.0	9.	13.71	4.34
1907.0	38.	58.	23.2	1.0	13.	13.95	4.44
1908.0	37.	58.	23.0	1.0	12.	14.18	4.54
1909.0	42.	55.	23.7	0.9	8.	14.41	4.64
1910.0	36.	55.	22.9	1.0	9.	14.65	4.75
1911.0	21.	60.	20.2	1.0	19.	14.85	4.83
1912.0	1.	100.	10.6	1.0	40.	14.99	4.86



O-W-L-L