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* SCHLUMBERGER *

HIGH RESOLUTION

DIPMETER

CLUSTER LISTING

ORG. DEVEL. CORP.

ST. LOUIS

MARION, OREGON

WERNER 34-21

RUN NO. ONE JOB NO. 10855

CLUSTER RESULTS ONLY

4 FT. CORR. - 2 FT. STEP

30 DEG. X2 SEARCH ANGLE

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*          *   FORMATION   *          *   BOREHOLE   *   QUAL.   *
*          *-----*-----*-----*-----*-----*-----*-----*-----*-----*
* DEPTH  *   DIP    DIP    *   DEV.   DEV.   DIAM   DIAM   * BEST *
*          *   AZI.  *   AZI.   1-3   2-4   * =A *
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*
* 1620.0          0.7    22    7.9    7.9
* 1622.0  29.2    134    0.7    22    7.8    7.9    B
* 1624.0  29.2    125    0.8    23    7.8    7.9    D
* 1626.0          0.8    24    7.8    7.9
* 1628.0          0.8    24    7.8    7.9
* 1630.0          0.7    24    7.8    7.9
* 1632.0  30.9    134    0.7    24    7.9    7.9    D
* 1634.0          0.7    24    7.9    7.9
* 1636.0          0.7    23    7.9    7.9
* 1638.0          0.6    22    7.9    7.9
* 1640.0          0.7    22    7.9    7.9
* 1642.0          0.7    21    7.9    7.9
* 1644.0          0.6    22    7.8    7.9
* 1646.0          0.6    22    7.8    7.9
* 1648.0          0.7    22    7.8    7.9
* 1650.0  13.2    20    0.7    20    7.8    7.9    B
* 1652.0  14.8    18    0.7    18    7.8    7.9    E
* 1654.0  19.6    35    0.7    19    7.8    7.9    D
* 1656.0  10.2    27    0.7    22    7.8    7.9    D
* 1658.0          0.7    19    7.8    7.9
* 1660.0   9.9    48    0.7    15    7.8    7.9    D
* 1662.0  14.0     4    0.7     8    7.8    7.9    D
* 1664.0  13.5   356    0.7    13    7.8    7.9    D
* 1666.0  21.9   360    0.6    22    7.8    7.9    B
* 1668.0   3.7   357    0.6    23    7.9    7.9    C
* 1670.0   7.0   342    0.6    19    7.9    7.9    A
* 1672.0   9.5   319    0.5    12    7.9    7.9    A
* 1674.0  10.3   346    0.5     9    7.8    7.9    C
* 1676.0   9.3   341    0.5     8    7.9    7.9    A
* 1678.0   8.1   342    0.5     7    7.9    7.9    C
* 1680.0          0.5     7    7.9    7.9
* 1682.0  13.2   335    0.5     7    7.9    7.9    C
* 1684.0   9.7     9    0.5     9    7.8    7.9    C
* 1686.0  10.7    13    0.5    11    7.9    7.9    C
* 1688.0          0.5    11    7.9    7.9
* 1690.0   7.6    73    0.5     9    7.9    7.9    A
* 1692.0   7.7    66    0.5     9    7.9    7.9    A
* 1694.0   2.7    55    0.5    10    7.8    7.9    C
* 1696.0   7.9    18    0.5    11    7.9    7.9    A
* 1698.0   8.3    23    0.5    10    7.9    7.9    A
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*          * FORMATION *          * BOREHOLE * QUAL. *
*          *-----*-----*-----*-----* INDEX *
* DEPTH *  DIP    DIP    *  DEV.  DEV.  DIAM  DIAM  * BEST *
*          *      AZI. *      AZI.  1-3   2-4  *  =A  *
*****
*
* 1700.0    6.2    63      0.4    9    7.9    7.9    C    *
* 1702.0      0.4    7    0.4    7    7.9    7.9    *
* 1704.0      0.5    8    0.5    8    7.9    7.9    *
* 1706.0      0.4    9    0.4    9    7.9    7.9    *
* 1708.0    4.5    331    0.4    9    7.9    7.9    D    *
* 1710.0    4.1    352    0.4    11   7.9    7.9    D    *
* 1712.0    5.5    7     0.4    8    7.8    7.8    D    *
* 1714.0    5.8    349    0.4    4    7.8    7.9    B    *
* 1716.0    5.5    352    0.5    2    7.9    7.9    B    *
* 1718.0    3.1    50     0.5    4    7.9    7.9    D    *
* 1720.0    5.8    115    0.5    8    7.9    7.9    B    *
* 1722.0    8.5    305    0.6    11   7.9    7.9    D    *
* 1724.0      0.6    12   0.6    12   7.9    7.9    *
* 1726.0      0.6    13   0.6    13   7.9    7.9    *
* 1728.0      0.6    12   0.6    12   7.8    7.9    *
* 1730.0   10.0    281    0.6    6    7.8    7.9    C    *
* 1732.0    3.9    318    0.5    10   7.9    7.9    A    *
* 1734.0    1.9    68     0.5    14   7.9    7.9    A    *
* 1736.0    1.1    356    0.5    11   7.9    7.9    A    *
* 1738.0    8.9    297    0.4    13   7.9    7.9    C    *
* 1740.0    2.8    16     0.4    9    7.9    7.9    C    *
* 1742.0    1.5    247    0.5    6    7.8    7.9    C    *
* 1744.0    4.7    332    0.5    4    7.8    7.9    A    *
* 1746.0   12.4    283    0.5    3    7.8    7.9    C    *
* 1748.0   18.0    353    0.5    1    7.8    7.9    D    *
* 1750.0      0.6    2     0.6    2    7.8    7.9    *
* 1752.0      0.6    3     0.6    3    7.8    7.9    *
* 1754.0      0.6    3     0.6    3    7.8    7.9    *
* 1756.0    5.4    35     0.6    2    7.8    7.9    D    *
* 1758.0    6.5    27     0.5    2    7.8    7.9    B    *
* 1760.0    7.9    52     0.4    6    7.8    7.9    B    *
* 1762.0   10.4    67     0.4    11   7.8    7.9    B    *
* 1764.0   13.0    63     0.3    9    7.8    7.9    B    *
* 1766.0   12.4    98     0.3    5    7.8    7.9    D    *
* 1768.0      0.3    3     0.3    3    7.8    7.9    *
* 1770.0      0.3    1     0.3    1    7.8    7.9    *
* 1772.0      0.3   357    0.3    357   7.9    7.9    *
* 1774.0      0.3   352    0.3    352   7.9    7.9    *
* 1776.0      0.3   347    0.3    347   7.9    7.9    *
* 1778.0      0.3   348    0.3    348   7.8    7.9    *
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*          * FORMATION *          BOREHOLE * QUAL. *
*          *-----*-----* INDEX *
* DEPTH *  DIP    DIP    *  DEV.  DEV.  DIA#  DIAM  * BEST *
*          *      AZI. *      AZI.  1-3  2-4 * =A *
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DEPTH	DIP	DIP AZI.	DEV.	DEV. AZI.	DIA# 1-3	DIAM 2-4	BEST =A
1780.0			0.4	347	7.8	7.9	
1782.0			0.4	346	7.8	7.9	
1784.0			0.4	347	7.8	7.9	
1786.0			0.4	351	7.8	7.9	
1788.0			0.3	358	7.8	7.9	
1790.0			0.3	6	7.8	7.9	
1792.0			0.3	10	7.8	7.9	
1794.0			0.3	16	7.8	7.9	
1796.0			0.3	20	7.9	7.9	
1798.0			0.3	17	7.9	7.9	
1800.0			0.4	15	7.8	7.9	
1802.0	9.8	38	0.4	13	7.8	7.9	B
1804.0	4.7	353	0.4	13	7.8	7.9	B
1806.0	4.7	323	0.4	12	7.8	7.9	B
1808.0	38.0	73	0.4	8	7.8	7.9	D
1810.0	37.1	71	0.4	3	7.8	7.9	D
1812.0			0.4	1	7.8	7.9	
1814.0			0.4	3	7.8	7.9	
1816.0			0.4	7	7.8	7.9	
1818.0			0.4	11	7.8	7.9	
1820.0			0.3	11	7.8	7.9	
1822.0			0.3	7	7.8	7.9	
1824.0			0.3	12	7.8	7.9	
1826.0			0.3	22	7.9	7.9	
1828.0			0.3	29	7.9	7.9	
1830.0			0.3	34	7.9	7.9	
1832.0			0.3	34	7.9	7.9	
1834.0			0.3	33	7.8	7.9	
1836.0			0.3	33	7.9	7.9	
1838.0			0.3	33	7.9	7.9	
1840.0			0.3	28	7.8	7.9	
1842.0			0.3	22	7.8	7.9	
1844.0	34.2	77	0.3	18	7.8	7.9	B
1846.0	33.9	73	0.3	14	7.8	7.9	D
1848.0			0.3	17	7.8	7.9	
1850.0			0.3	26	7.8	7.9	
1852.0	8.2	9	0.3	30	7.8	7.9	D
1854.0	8.3	340	0.3	30	7.8	7.9	D
1856.0	9.1	317	0.3	30	7.8	7.9	B
1858.0	1.2	354	0.4	35	7.9	7.9	B

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*****
*          * FORMATION *          * BOREHOLE *          * QUAL. *
*          *-----*          *-----*          * INDEX *
* DEPTH *  DIP   DIP   *  DEV.  DEV.  DIAM  DIAM * BEST *
*          *     AZI. *          *     AZI.  * 1-3  2-4 * =A *
*****
*
* 1860.0    4.0    338          0.4    39    7.9    7.9    D *
* 1862.0    9.7    313          0.4    41    7.8    7.9    D *
* 1864.0    5.8    311          0.4    42    7.8    7.9    D *
* 1866.0          0.5    40    7.9    7.9          *
* 1868.0          0.6    37    7.9    7.9          *
* 1870.0          0.6    36    7.8    7.9          *
* 1872.0          0.6    35    7.8    7.9          *
* 1874.0          0.6    34    7.8    7.9          *
* 1876.0          0.6    34    7.8    7.9          *
* 1878.0    8.5     83          0.6    35    7.8    7.9    B *
* 1880.0    8.6     84          0.6    37    7.8    7.9    D *
* 1882.0          0.5    42    7.8    7.9          *
* 1884.0          0.5    47    7.8    7.9          *
* 1886.0          0.5    50    7.8    7.9          *
* 1888.0          0.5    53    7.8    7.9          *
* 1890.0          0.5    54    7.8    7.9          *
* 1892.0          0.5    51    7.8    7.9          *
* 1894.0          0.5    49    7.8    7.9          *
* 1896.0    8.2     313          0.5    49    7.8    7.9    B *
* 1898.0    8.1     308          0.6    46    7.8    7.9    B *
* 1900.0    1.9     304          0.6    39    7.8    7.9    D *
* 1902.0          0.7    30    7.8    7.9          *
* 1904.0          0.7    25    7.8    7.9          *
* 1906.0    6.6     341          0.7    23    7.8    7.9    D *
* 1908.0    2.6          6          0.7    21    7.9    7.9    D *
* 1910.0          0.7    23    7.8    7.9          *
* 1912.0          0.7    27    7.8    7.9          *
* 1914.0    2.6     300          0.7    30    7.8    7.9    D *
* 1916.0    8.8     348          0.7    33    7.8    7.9    D *
* 1918.0          0.6    39    7.9    7.9          *
* 1920.0          0.6    43    7.8    7.9          *
* 1922.0          0.6    43    7.9    7.9          *
* 1924.0    5.1     360          0.6    43    7.9    7.9    D *
* 1926.0    4.5          7          0.6    40    7.8    7.9    D *
* 1928.0          0.6    36    7.9    7.9          *
* 1930.0   10.7     184          0.6    33    7.8    7.9    D *
* 1932.0          0.6    32    7.8    7.9          *
* 1934.0          0.6    30    7.8    7.9          *
* 1936.0    6.4     176          0.7    30    7.8    7.9    D *
* 1938.0          0.7    32    7.8    7.9          *
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*          * FORMATION *          * BOREHOLE *          * QUAL. *
*          *-----*          *-----*          * INDEX *
* DEPTH *  DIP   DIP   *  DEV.  DEV.  DIAM  DIAM * BEST *
*          *     AZI. *     AZI.  /  1-3  2-4 * =A *
*****
*
* 1940.0          0.6    32    7.8    7.9
* 1942.0          0.6    31    7.8    7.9
* 1944.0          0.6    30    7.9    7.9
* 1946.0      8.1    190    0.6    29    7.9    7.9
* 1948.0      8.7     67    0.5    28    7.8    7.9
* 1950.0      7.6     47    0.5    25    7.8    7.9
* 1952.0      7.6     27    0.5    18    7.8    7.9
* 1954.0      6.4    311    0.4    17    7.8    7.9
* 1956.0     11.7    331    0.4    23    7.8    7.9
* 1958.0      5.7    348    0.5    25    7.8    7.9
* 1960.0      5.3     7    0.5    29    7.8    7.9
* 1962.0      5.5    336    0.5    32    7.8    7.9
* 1964.0      6.5    327    0.6    33    7.8    7.9
* 1966.0      2.0     56    0.5    34    7.8    7.9
* 1968.0      3.5     19    0.5    35    7.7    7.8
* 1970.0      4.4     4    0.5    37    7.8    7.9
* 1972.0      4.9    350    0.4    37    7.9    7.9
* 1974.0      3.8     3    0.4    36    7.9    7.9
* 1976.0      5.9     10    0.4    37    7.9    7.9
* 1978.0      9.6     70    0.4    30    7.9    7.9
* 1980.0      3.9     99    0.4    29    7.9    7.9
* 1982.0      7.0    156    0.4    33    7.8    7.9
* 1984.0     10.1     43    0.4    33    7.9    7.9
* 1986.0          0.4    29    7.9    7.9
* 1988.0          0.4    24    7.9    7.9
* 1990.0      2.2     25    0.4    25    7.9    7.9
* 1992.0      2.3    347    0.4    27    7.8    7.9
* 1994.0      7.4    323    0.4    28    7.9    7.9
* 1996.0      6.5    325    0.4    30    7.8    7.9
* 1998.0      1.8    276    0.4    34    7.8    7.9
* 2000.0      1.4    261    0.4    38    7.8    7.9
* 2002.0      6.0    247    0.4    40    7.8    7.9
* 2004.0      8.0    350    0.4    39    7.8    7.9
* 2006.0      4.8    356    0.4    39    7.8    7.9
* 2008.0      2.6     2    0.4    39    7.8    7.9
* 2010.0      3.2    312    0.3    39    7.8    7.9
* 2012.0      4.6     16    0.3    37    7.8    7.9
* 2014.0      6.4     7    0.3    34    7.8    7.9
* 2016.0      7.3    259    0.4    33    7.8    7.9
* 2018.0     10.1    271    0.4    31    7.8    7.9
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*          * FORMATION *          * BOREHOLE *          * QUAL. *
*          *-----*          *-----*          * INDEX *
* DEPTH *  *  DIP  *  *  DIP  *  *  DEV.  *  *  DEV.  *  *  DIAM  *  *  DIAM  *  *  BEST *
*          *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *
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DEPTH	DIP	DIP AZI.	DEV.	DEV. AZI.	DIAM 1-3	DIAM 2-4	BEST
2020.0	5.3	1	0.4	30	7.8	7.9	A
2022.0	3.0	281	0.4	31	7.9	7.9	A
2024.0	4.5	19	0.4	35	7.9	7.9	A
2026.0	1.9	35	0.4	38	7.8	7.9	A
2028.0	3.7	105	0.4	39	7.8	7.9	A
2030.0	4.1	90	0.4	41	7.8	7.9	A
2032.0	2.8	23	0.4	41	7.8	7.9	A
2034.0	4.2	48	0.4	40	7.9	7.9	A
2036.0	1.7	10	0.4	39	7.9	7.9	A
2038.0	4.2	285	0.4	38	7.9	7.9	A
2040.0	2.9	69	0.4	36	7.9	7.9	A
2042.0	6.2	107	0.3	33	7.9	7.9	A
2044.0	3.2	89	0.3	33	7.9	7.9	A
2046.0	1.9	306	0.3	36	7.9	7.9	A
2048.0	2.9	1	0.3	37	7.9	7.9	A
2050.0	3.7	19	0.3	38	7.9	7.9	A
2052.0	4.0	10	0.3	39	7.9	7.9	A
2054.0	5.6	6	0.4	40	7.9	7.9	A
2056.0	5.1	40	0.4	41	7.9	7.9	A
2058.0	4.0	23	0.3	44	7.9	7.9	A
2060.0	4.5	22	0.3	45	7.9	7.9	A
2062.0	4.9	360	0.3	46	7.9	7.9	A
2064.0	3.3	38	0.3	45	7.9	7.9	A
2066.0	3.7	32	0.4	44	7.9	7.9	A
2068.0	5.1	49	0.4	43	7.9	7.9	A
2070.0	5.9	352	0.4	47	7.9	7.9	A
2072.0	8.2	350	0.4	53	7.9	7.9	A
2074.0	6.9	358	0.4	57	7.9	7.9	A
2076.0			0.3	57	7.9	7.9	
2078.0	8.4	15	0.3	55	7.9	7.9	A
2080.0	8.3	4	0.3	54	7.9	7.9	A
2082.0	5.9	5	0.3	54	7.9	7.9	A
2084.0	4.6	21	0.3	54	7.9	7.9	A
2086.0	4.4	53	0.3	53	7.9	7.9	A
2088.0	5.2	67	0.3	52	7.9	7.9	C
2090.0	2.1	62	0.3	51	7.9	7.9	A
2092.0	2.6	18	0.3	49	7.9	7.9	A
2094.0	2.6	279	0.3	51	7.9	7.9	C
2096.0			0.3	55	7.9	7.9	
2098.0	7.7	56	0.3	59	7.9	7.9	A

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*****
*          * FORMATION *          * BOREHOLE *          * QUAL. *
*          *-----*          *-----*          * INDEX *
* DEPTH *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *
*          *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *
*****

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DEPTH	DIP	DIP AZI.	DEV.	DEV. AZI.	DIAM 1-3	DIAM 2-4	BEST	INDEX
2100.0	6.0	16	0.3	59	7.8	7.9	C	*
2102.0	2.3	333	0.2	57	7.8	7.9	C	*
2104.0	5.1	369	0.0	0	7.9	7.9	A	*
2106.0	9.8	22	0.0	0	7.9	7.9	C	*
2108.0	7.3	335	0.0	0	7.9	7.9	A	*
2110.0	7.2	342	0.0	0	7.9	7.9	A	*
2112.0	5.5	351	0.0	0	7.9	7.9	A	*
2114.0	9.2	56	0.0	0	7.9	7.9	A	*
2116.0	11.9	55	0.0	0	7.9	7.9	A	*
2118.0	3.6	62	0.2	67	7.9	7.9	A	*
2120.0	1.5	357	0.3	69	7.9	7.9	A	*
2122.0	1.7	23	0.3	70	7.9	7.9	A	*
2124.0	3.3	12	0.3	70	7.9	7.9	A	*
2126.0	3.5	2	0.3	67	7.9	7.9	A	*
2128.0	1.2	341	0.2	62	7.9	7.9	A	*
2130.0	2.4	316	0.0	0	7.9	7.9	A	*
2132.0	2.8	305	0.0	0	7.9	7.9	A	*
2134.0	3.8	282	0.0	0	7.9	7.9	A	*
2136.0	3.4	49	0.0	0	7.9	7.9	A	*
2138.0	6.7	25	0.0	0	7.9	7.9	A	*
2140.0	3.3	358	0.0	0	7.9	7.9	A	*
2142.0	2.0	113	0.0	0	7.9	7.9	A	*
2144.0			0.0	0	7.9	7.9		*
2146.0			0.0	0	7.9	7.9		*
2148.0	7.2	12	0.0	0	7.9	7.9	A	*
2150.0	5.8	347	0.0	0	7.9	7.9	A	*
2152.0	7.5	351	0.0	0	7.9	7.9	A	*
2154.0	3.3	4	0.0	0	7.9	7.9	A	*
2156.0	3.0	126	0.0	0	7.9	7.9	A	*
2158.0	6.2	40	0.0	0	7.9	7.9	B	*
2160.0	7.3	74	0.0	0	7.9	7.9	D	*
2162.0	11.3	48	0.0	0	7.9	7.9	B	*
2164.0	10.5	45	0.0	0	7.9	7.9	B	*
2166.0	3.6	2	0.0	0	7.9	7.9	D	*
2168.0	18.3	54	0.0	0	7.9	7.9	D	*
2170.0	4.5	308	0.0	0	7.9	7.9	D	*
2172.0	33.4	282	0.0	0	7.9	7.9	D	*
2174.0	37.8	288	0.0	0	7.8	7.9	B	*
2176.0	15.1	46	0.0	0	7.9	7.9	B	*
2178.0			0.0	0	7.9	7.9		*


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*****
*          * FORMATION          *          * BOREHOLE          * QUAL. *
*          *-----*          *          *-----*          * INDEX *
* DEPTH  *  DIP    DIP    *  DEV.  DEV.  DIAM  DIAM  * BEST  *
*          *      AZI.  *          *      AZI.  1-3   2-4  *  =A   *
*****
*
* 2180.0          0.0      0      7.9   7.9          *
* 2182.0          0.0      0      7.9   7.9          *
* 2184.0          0.0      0      7.9   7.9          *
* 2186.0          0.0      0      7.9   7.9          *
* 2188.0          0.0      0      7.9   7.9          *
* 2190.0          0.0      0      7.9   7.9          *
* 2192.0          0.0      0      7.9   7.9          *
* 2194.0          0.2     51     7.9   7.9          *
* 2196.0          0.3     54     7.9   7.9          *
* 2198.0          0.3     66     7.8   7.9          *
* 2200.0          0.3     74     7.9   7.9          *
* 2202.0    26.8      6     0.2     85     7.9   7.9          B
* 2204.0    26.1      2     0.2     98     7.9   7.9          B
* 2206.0          0.3    109     7.9   7.9          *
* 2208.0          0.3    115     7.9   7.9          *
* 2210.0          0.3    119     7.9   7.9          *
* 2212.0          0.3    120     7.9   7.9          *
* 2214.0          0.3    123     7.9   7.9          *
* 2216.0          0.2    127     7.9   7.9          *
* 2218.0    12.4    255     0.0      0     7.9   7.9          D
* 2220.0    14.6    230     0.0      0     7.9   7.9          D
* 2222.0          0.0      0     7.9   7.9          *
* 2224.0          0.0      0     7.9   7.9          *
* 2226.0          0.0      0     7.9   7.9          *
* 2228.0    17.5    238     0.0      0     7.9   7.9          B
* 2230.0    18.3    248     0.2    143     7.9   7.9          D
* 2232.0          0.2    150     7.9   7.9          *
* 2234.0    18.8    241     0.3    153     7.9   7.9          D
* 2236.0    21.7    232     0.3    154     7.9   7.9          D
* 2238.0    19.2    247     0.4    156     7.9   7.9          A
* 2240.0    15.3    237     0.4    156     7.9   7.9          A
* 2242.0    24.0    267     0.4    155     7.9   7.9          C
* 2244.0    16.0    265     0.4    154     7.9   7.9          A
* 2246.0    15.3    269     0.5    156     7.9   7.9          A
* 2248.0    15.1    263     0.5    160     7.9   7.9          A
* 2250.0    16.3    265     0.5    165     7.9   7.9          A
* 2252.0    16.1    225     0.6    167     7.9   7.9          C
* 2254.0    16.3    233     0.6    166     7.9   7.9          A
* 2256.0    11.5    244     0.7    165     7.9   7.9          A
* 2258.0    16.0    260     0.6    161     7.9   7.9          D
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*****
*          * FORMATION *          * BOREHOLE *          * QUAL. *
*          *-----*          *-----*          * INDEX *
* DEPTH *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *
*          *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *
*****

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DEPTH	DIP	DIP AZI.	DEV.	DEV. AZI.	DIAM 1-3	DIAM 2-4	BEST	INDEX
2260.0	20.5	260	0.6	154	7.9	7.9	B	*
2262.0	12.0	266	0.6	151	7.9	7.9	D	*
2264.0	14.4	262	0.6	151	7.9	7.9	B	*
2266.0	14.3	261	0.6	150	7.9	7.9	B	*
2268.0			0.6	148	7.9	7.9		*
2270.0	3.6	273	0.6	146	7.9	7.9	D	*
2272.0	28.3	245	0.6	144	7.9	7.9	D	*
2274.0	24.8	241	0.6	147	7.9	7.9	B	*
2276.0	23.9	260	0.6	154	7.9	7.9	D	*
2278.0	20.3	230	0.6	154	7.9	7.9	D	*
2280.0	12.6	258	0.6	149	7.9	7.9	B	*
2282.0	13.8	249	0.7	146	7.9	7.9	D	*
2284.0	19.8	243	0.7	148	7.9	7.9	B	*
2286.0	23.7	229	0.7	153	7.9	7.9	B	*
2288.0			0.6	152	7.9	7.9		*
2290.0	12.6	247	0.6	149	7.9	7.9	D	*
2292.0	9.5	237	0.6	148	7.9	7.9	B	*
2294.0	11.3	235	0.6	149	7.9	7.9	D	*
2296.0	13.3	221	0.6	149	7.9	7.9	D	*
2298.0	12.0	242	0.6	146	7.9	7.9	A	*
2300.0	15.9	250	0.6	142	7.9	7.9	A	*
2302.0	20.3	245	0.6	139	7.9	7.9	A	*
2304.0	20.5	239	0.6	139	7.9	7.9	A	*
2306.0			0.6	139	7.9	7.9		*
2308.0			0.5	140	7.9	7.9		*
2310.0	10.8	204	0.5	142	7.9	7.9	C	*
2312.0	16.7	252	0.5	141	7.9	7.9	A	*
2314.0	20.6	247	0.5	139	7.9	7.9	A	*
2316.0	11.1	231	0.5	137	7.9	7.9	C	*
2318.0	13.8	245	0.5	136	7.9	7.9	B	*
2320.0			0.5	137	7.9	7.9		*
2322.0	11.1	231	0.5	140	7.9	7.9	D	*
2324.0	13.0	266	0.5	139	7.9	7.9	D	*
2326.0	15.3	300	0.5	136	7.9	7.9	B	*
2328.0	15.6	275	0.5	133	7.9	7.9	B	*
2330.0	13.3	250	0.5	130	7.9	7.9	B	*
2332.0	11.1	248	0.6	128	7.9	7.9	B	*
2334.0	7.3	280	0.6	129	7.8	7.9	D	*
2336.0	9.9	133	0.6	130	7.8	7.9	B	*
2338.0			0.6	133	7.8	7.9		*


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*****
*          * FORMATION *          * BOREHOLE *          * QUAL. *
*          *-----*-----*          * INDEX *
* DEPTH *  DIP   DIP   *  DEV.  DEV.  DIAM  DIAM  * BEST *
*          *     AZI. *          * AZI.  1-3  2-4  * =A *
*****
*
* 2420.0  30.8   340   *  0.7  107   7.9   7.9   *   D *
* 2422.0  26.6   334   *  0.8   96   7.9   7.9   *   D *
* 2424.0  29.6   337   *  0.8   89   7.9   7.9   *   D *
* 2426.0  54.9   210   *  0.8   83   7.9   7.9   *   B *
* 2428.0          *  0.8   79   7.9   7.9   *   *
* 2430.0          *  0.8   78   7.9   7.9   *   *
* 2432.0          *  0.8   77   7.9   7.9   *   *
* 2434.0  55.9   222   *  0.8   74   7.9   7.9   *   D *
* 2436.0          *  0.9   71   7.9   7.9   *   *
* 2438.0          *  0.9   69   7.9   7.9   *   *
* 2440.0          *  1.0   68   7.9   7.9   *   *
* 2442.0          *  1.0   68   7.9   7.9   *   *
* 2444.0          *  1.1   69   7.9   7.9   *   *
* 2446.0          *  1.1   70   7.9   7.9   *   *
* 2448.0          *  1.1   70   7.9   7.9   *   *
* 2450.0          *  1.2   71   7.8   7.9   *   *
* 2452.0          *  1.2   74   7.8   7.9   *   *
* 2454.0          *  1.2   77   7.8   7.9   *   *
* 2456.0          *  1.2   79   7.8   7.9   *   *
* 2458.0          *  1.2   83   7.8   7.9   *   *
* 2460.0          *  1.2   84   7.8   7.9   *   *
* 2462.0          *  1.2   85   7.8   7.9   *   *
* 2464.0  25.1   229   *  1.2   84   7.8   7.9   *   D *
* 2466.0  20.8   251   *  1.2   82   7.8   7.9   *   B *
* 2468.0  17.3   238   *  1.2   80   7.8   7.9   *   B *
* 2470.0  16.6   231   *  1.2   77   7.8   7.9   *   D *
* 2472.0          *  1.2   77   7.9   7.9   *   *
* 2474.0          *  1.2   77   7.9   7.9   *   *
* 2476.0          *  1.2   77   7.9   7.9   *   *
* 2478.0          *  1.2   76   7.9   7.9   *   *
* 2480.0  40.5   311   *  1.2   74   7.8   7.9   *   D *
* 2482.0  49.7   346   *  1.2   74   7.8   7.9   *   B *
* 2484.0          *  1.2   73   7.8   7.9   *   *
* 2486.0          *  1.3   71   7.8   7.9   *   *
* 2488.0          *  1.3   70   7.8   7.9   *   *
* 2490.0          *  1.3   70   7.8   7.9   *   *
* 2492.0          *  1.3   72   7.8   7.9   *   *
* 2494.0  65.4   188   *  1.4   75   7.8   7.9   *   D *
* 2496.0          *  1.4   75   7.8   7.9   *   *
* 2498.0          *  1.4   72   7.8   7.9   *   *
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*****
*          * FORMATION *          * BOREHOLE *          * QUAL. *
*          *-----*          *-----*          * INDEX *
* DEPTH  *  DIP    DIP  *  DEV.  DEV.  DIAM  DIAM  * BEST  *
*          *      AZI. *      AZI.  1-3  2-4  * =A   *
*****
*
* 2500.0          1.4    69          7.8    7.9          *
* 2502.0          1.4    66          7.8    7.9          *
* 2504.0          1.4    64          7.9    7.9          *
* 2506.0          1.4    64          7.9    7.9          *
* 2508.0          1.4    65          7.9    7.9          *
* 2510.0    51.3    196          1.3    66          7.9    D   *
* 2512.0          1.3    66          7.9    7.9          *
* 2514.0          1.3    67          7.9    7.9          *
* 2516.0          1.2    70          7.9    7.9          *
* 2518.0          1.2    71          7.9    7.9          *
* 2520.0          1.2    69          7.9    7.9          *
* 2522.0          1.2    63          7.9    7.9          *
* 2524.0          1.2    58          7.9    7.9          *
* 2526.0          1.3    55          7.9    7.9          *
* 2528.0          1.3    56          7.9    7.9          *
* 2530.0          1.4    58          7.9    7.9          *
* 2532.0          1.4    60          7.9    7.9          *
* 2534.0          1.4    61          7.9    7.9          *
* 2536.0          1.4    62          7.9    7.9          *
* 2538.0          1.4    64          7.9    7.9          *
* 2540.0          1.4    66          7.9    7.9          *
* 2542.0          1.5    68          7.9    7.9          *
* 2544.0          1.5    68          7.9    7.9          *
* 2546.0          1.5    67          7.8    7.9          *
* 2548.0    50.9     2          1.5    65          7.8    D   *
* 2550.0    48.0     3          1.4    63          7.9    B   *
* 2552.0          1.4    63          7.9    7.9          *
* 2554.0          1.4    61          7.9    7.9          *
* 2556.0          1.4    59          7.9    7.9          *
* 2558.0          1.4    59          7.9    7.9          *
* 2560.0          1.4    58          7.9    7.9          *
* 2562.0          1.4    57          7.9    7.9          *
* 2564.0          1.4    57          7.9    7.9          *
* 2566.0          1.4    58          7.9    7.9          *
* 2568.0          1.4    58          7.8    7.9          *
* 2570.0          1.4    57          7.8    7.9          *
* 2572.0    7.6     256          1.4    55          7.9    D   *
* 2574.0    4.1     324          1.4    55          7.9    D   *
* 2576.0    3.4     282          1.4    55          7.9    B   *
* 2578.0    4.9     210          1.5    54          7.8    B   *
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*****
*          * FORMATION *          * BOREHOLE * QUAL. *
*          *-----*-----*-----*-----* INDEX *
* DEPTH *  DIP   DIP   *  DEV.  DEV.  DIAM  DIAM  * BEST *
*          *     AZI. *     AZI.  1-3  2-4  * =A  *
*****

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DEPTH	DIP	DIP AZI.	DEV.	DEV. AZI.	DIAM 1-3	DIAM 2-4	BEST =A
2660.0			1.5	58	7.8	7.9	
2662.0			1.5	59	7.8	7.9	
2664.0	25.4	237	1.5	61	7.8	7.9	D
2666.0			1.5	63	7.8	7.9	
2668.0			1.6	64	7.8	7.9	
2670.0	23.9	295	1.6	65	7.8	7.9	D
2672.0	20.3	288	1.6	65	7.8	7.9	D
2674.0	20.7	287	1.6	65	7.8	7.9	D
2676.0	25.3	280	1.6	65	7.8	7.9	D
2678.0	8.1	299	1.7	64	7.8	7.9	D
2680.0	12.9	256	1.7	63	7.8	7.9	D
2682.0			1.7	63	7.8	7.9	
2684.0	16.3	316	1.7	63	7.8	7.9	D
2686.0	11.3	319	1.7	62	7.8	7.9	D
2688.0	3.3	267	1.7	62	7.8	7.9	B
2690.0	2.3	264	1.7	64	7.8	7.9	D
2692.0			1.7	65	7.8	7.9	
2694.0	12.6	283	1.7	66	7.8	7.9	B
2696.0	7.3	274	1.7	67	7.8	7.9	B
2698.0	6.5	259	1.7	67	7.8	7.9	A
2700.0	11.4	267	1.7	67	7.8	7.9	A
2702.0	13.7	290	1.7	68	7.8	7.9	C
2704.0	10.9	276	1.7	70	7.8	7.9	A
2706.0	13.5	280	1.7	71	7.8	7.9	A
2708.0	12.5	270	1.7	70	7.8	7.9	A
2710.0	8.8	258	1.8	69	7.8	7.9	A
2712.0	6.3	278	1.8	68	7.9	7.9	C
2714.0	13.3	286	1.8	68	7.8	7.9	C
2716.0	7.7	268	1.8	67	7.8	7.9	C
2718.0	9.0	285	1.8	66	7.8	7.9	D
2720.0	9.1	289	1.8	68	7.8	7.9	D
2722.0	67.7	2	1.9	70	7.8	7.9	D
2724.0			1.9	70	7.8	7.9	
2726.0			1.9	69	7.9	7.9	
2728.0	62.9	360	2.0	68	7.9	7.9	D
2730.0			2.0	70	7.9	7.9	
2732.0			2.0	69	7.8	7.9	
2734.0			2.1	70	7.9	7.9	
2736.0	22.5	89	2.1	70	7.9	7.9	D
2738.0	14.7	294	2.1	70	7.8	7.9	D

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*****
*          *      FORMATION      *          *      BOREHOLE          *      QUAL. *
*          *-----*-----*-----*-----*-----*-----*-----*-----*-----*
* DEPTH  *  DIP    DIP    *  DEV.  DEV.  DIAM    DIAM  *  BEST  *
*          *      AZI.  *      AZI.  1-3    2-4  *  =A   *
*****
*
* 2740.0          2.0    70    7.9    7.9
* 2742.0          2.0    70    7.9    7.9
* 2744.0          2.1    71    7.8    7.9
* 2746.0    22.3    314    2.0    71    7.8    7.9    B
* 2748.0    23.7    308    2.0    72    7.8    7.9    B
* 2750.0    24.1    304    2.0    73    7.8    7.9    B
* 2752.0    19.0    293    1.9    73    7.8    7.9    D
* 2754.0    19.7    260    1.9    72    7.8    7.9    D
* 2756.0    16.3    254    1.9    73    7.8    7.9    B
* 2758.0          1.9    74    7.8    7.9
* 2760.0          1.9    73    7.8    7.9
* 2762.0          1.8    72    7.8    7.9
* 2764.0          1.8    72    7.8    7.9
* 2766.0          1.9    70    7.9    8.0
* 2768.0          1.9    70    7.9    8.0
* 2770.0          2.0    71    7.8    8.0
* 2772.0          2.0    69    7.8    7.9
* 2774.0          2.0    69    7.8    7.9
* 2776.0          1.9    70    7.8    7.9
* 2778.0          1.9    70    7.8    7.9
* 2780.0          2.0    70    7.8    7.9
* 2782.0    17.6    71    2.0    70    7.8    7.9    D
* 2784.0    14.4    73    1.9    72    7.8    7.9    D
* 2786.0          1.9    74    7.8    7.9
* 2788.0          1.9    74    7.8    7.9
* 2790.0          1.9    73    7.8    7.9
* 2792.0    14.6    55    1.8    72    7.8    7.9    D
* 2794.0    17.9    45    1.7    69    7.8    7.9    D
* 2796.0          1.5    64    7.8    7.9
*****

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*****
*          * FORMATION          *          * BOREHOLE          * QUAL. *
*          *-----*-----*          *-----*-----* INDEX *
* DEPTH  *  DIP    DIP    *  DEV.  DEV.  DIAM  DIAM  * BEST  *
*          *      AZI.  *      AZI.  1-3  2-4  * =A    *
*****
*
* 1620.0          0.6      6      8.9      9.5      *
* 1622.0  19.9    78      0.6      9      8.9      9.5      D      *
* 1624.0  23.7    87      0.6      9      9.0      9.5      B      *
* 1626.0  26.7    79      0.7      8      8.9      9.4      D      *
* 1628.0          0.7      8      8.9      9.4      *
* 1630.0  12.1    91      0.7      8      8.9      9.5      D      *
* 1632.0  10.5    131     0.6      9      9.0      9.8      B      *
* 1634.0          0.6      9      9.1      9.8      *
* 1636.0          0.6      9      9.3      9.7      *
* 1638.0          0.6      6      9.3      9.7      *
* 1640.0   9.9    122     0.5      3      9.1      9.5      B      *
* 1642.0          0.5      1      9.0      9.3      *
* 1644.0          0.5    358     9.0      9.2      *
* 1646.0          0.5    358     9.0      9.3      *
* 1648.0          0.5      1      9.0      9.3      *
* 1650.0          0.5    360     9.0      9.2      *
* 1652.0          0.5    359     9.1      9.4      *
* 1654.0          0.5      2      9.1      9.3      *
* 1656.0          0.5      4      8.9      9.1      *
* 1658.0          0.5      5      8.6      9.0      *
* 1660.0          0.5      4      8.4      8.8      *
* 1662.0          0.5      3      8.5      8.8      *
* 1664.0          0.5      4      8.7      8.7      *
* 1666.0  18.8    350     0.5      4      8.8      8.7      D      *
* 1668.0   5.0     15     0.4      5      8.9      9.1      S      *
* 1670.0   5.8      8     0.4      5      9.1      9.4      B      *
* 1672.0   6.5     33     0.5      3      9.3      9.6      D      *
* 1674.0   8.9     31     0.5      4      9.4      9.9      D      *
* 1676.0  17.9    359     0.5      6      9.3      9.9      D      *
* 1678.0  14.8    342     0.5      8      9.3      9.9      D      *
* 1680.0          0.5      9      9.2      9.8      *
* 1682.0          0.5      9      9.2      10.0     *
* 1684.0          0.5     10     9.2      10.1     *
* 1686.0          0.6     11     9.2      10.2     *
* 1688.0          0.6     12     9.1      10.4     *
* 1690.0   6.5     59     0.5     11     9.0      10.2     B      *
* 1692.0   6.8     56     0.5     11     9.0      10.0     B      *
* 1694.0   9.5     13     0.5     12     9.1      9.9      D      *
* 1696.0   6.0     17     0.5      9      9.2      9.9      S      *
* 1698.0   4.0     34     0.5      6      9.3      10.0     B      *
*****

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*****
*          * FORMATION *          * BOREHOLE *          * QUAL. *
*          *-----*-----*          * INDEX *
* DEPTH *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *
*          *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *
*****

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DEPTH	DIP	DIP AZI.	DEV.	DEV. AZI.	DIAM 1-3	DIAM 2-4	QUAL. BEST	INDEX
1700.0	3.8	38	0.5	12	9.3	10.0	D	*
1702.0			0.5	22	9.3	10.0		*
1704.0			0.5	23	9.2	10.0		*
1706.0	10.1	355	0.5	20	9.2	9.9	D	*
1708.0			0.5	20	9.2	9.8		*
1710.0	3.9	44	0.5	20	9.2	9.8	D	*
1712.0	14.5	151	0.5	17	9.2	9.8	D	*
1714.0	3.3	328	0.5	10	9.1	9.8	B	*
1716.0	3.2	337	0.5	5	9.0	9.8	B	*
1718.0	9.4	151	0.5	1	8.9	9.8	B	*
1720.0	8.9	157	0.5	2	8.9	9.8	B	*
1722.0			0.5	6	9.0	9.6		*
1724.0			0.6	9	9.0	9.4		*
1726.0			0.6	10	9.0	9.4		*
1728.0	2.1	337	0.5	9	9.2	9.4	D	*
1730.0			0.5	9	9.3	9.4		*
1732.0			0.5	9	9.3	9.4		*
1734.0	0.5	240	0.5	10	9.3	9.4	B	*
1736.0	1.4	248	0.5	10	9.2	9.4	B	*
1738.0	4.2	344	0.4	8	9.2	9.4	D	*
1740.0	3.9	22	0.4	6	9.1	9.3	D	*
1742.0	5.4	309	0.4	3	9.0	9.3	D	*
1744.0	1.3	4	0.4	3	9.0	9.2	B	*
1746.0	3.7	71	0.4	3	8.8	9.2	D	*
1748.0			0.5	3	8.8	9.2		*
1750.0			0.5	7	8.7	9.0		*
1752.0			0.5	10	8.7	9.0		*
1754.0	8.2	117	0.4	11	8.7	9.1	D	*
1756.0	5.6	19	0.4	12	8.8	9.1	B	*
1758.0	7.3	9	0.4	12	8.9	9.2	B	*
1760.0	8.6	358	0.4	12	9.0	9.2	B	*
1762.0	7.6	3	0.4	11	9.0	9.2	B	*
1764.0	6.0	342	0.4	8	9.0	9.2	D	*
1766.0	7.6	338	0.4	8	9.0	9.2	D	*
1768.0			0.4	10	9.0	9.2		*
1770.0			0.4	12	9.1	9.2		*
1772.0			0.4	14	9.1	9.2		*
1774.0			0.4	13	9.2	9.2		*
1776.0	17.5	247	0.4	12	9.2	9.1	B	*
1778.0	5.1	14	0.4	11	9.0	9.0	D	*

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*****
*          *      FORMATION          *          *      BOREHOLE          *      QUAL. *
*          *-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*
*  DEPTH  *  DIP    DIP    *  DEV.    DEV.    DIAM    DIAM  *  BEST  *
*          *      AZI.  *      AZI.    1-3    2-4  *  =A   *
*****
*
*  1780.0          0.4    10    9.0    9.0          *
*  1782.0          0.4    10    8.9    9.0          *
*  1784.0    7.5    202    0.4    11    8.9    9.0    D    *
*  1786.0          0.4    11    8.9    9.0          *
*  1788.0          0.4    10    8.8    9.0          *
*  1790.0    9.1    207    0.4    11    8.7    9.0    D    *
*  1792.0          0.4    17    8.8    9.1          *
*  1794.0          0.4    23    8.8    9.1          *
*  1796.0    1.6    111    0.4    22    8.7    9.1    D    *
*  1798.0    1.6    106    0.3    17    8.7    9.1    D    *
*  1800.0    6.7    186    0.3    12    8.8    9.1    D    *
*****

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ORG. DEVEL. CORP.

WERNER 34-21

SUMMARY

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*****
* DEPTH *   DIP   DIP   *   DEV   DEV   DIAM   DIAM * QUAL *
*       *       AZM  *       AZM  1-3   2-4  *     *
*****
*
* TOP
* 1620.00   9.9   351.   0.7   22.   7.9   7.9   *   *
*
* BOTTOM
* 2796.00  68.9   234.   1.5   64.   7.8   7.9   *   *
*
* TOP
* 1620.00  36.9   251.   0.6    6.   8.9   9.5   *   *
*
* BOTTOM
* 1800.00   6.7   186.   0.3   12.   8.8   9.1   D   *
*
*****
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