

# Company Specific Debt

January 17, 2019

## 1 Specific Company Debt

This notebook presents results for the specified companies: - Lexicon Pharmaceuticals Inc (Ticker LXX) CIK = 0001062822 - Amicus Therapeutics (Ticker FOLD) CIK = 0001178879 - Empire State Realty Trust (Ticker ESRT) CIK = 0001541401 - Wright Medical Group (Ticker WMGI) CIK = 0001492658 - Heritage Insurance Holdings (Ticker HRTG) CIK = 0001598665 - Chesapeake Energy Corporation (Ticker CHK) CIK = 0000895126 - International Business Machines Corporation (Ticker IBM) CIK = 0000051143 - Apple Inc (Ticker AAPL) CIK = 0000320193 - Hovnanian Enterprises Inc (Ticker HOV) CIK = 0000357294 - Wyndham Destinations, Inc (Ticker WYND) CIK = 0001361658

Results for each company are presented below and covered in the following order:

- 1) plots for the extracted short term and long term debt across time are shown. When a debt disclosure was extracted for the given quarter, the data point is highlighted in red.
- 2) A data frame containing resolved debt fields is printed to console.
- 3) A data frame containing the extracted disclosure is printed to console.

One of the tasks I did not have sufficient time to complete was building a topic-modeling algorithm to further process the debt-disclosures. Gensim and nltk are python libraries that can support this kind of task, and aid in relevant passage extraction and summarization. I think given more time this could be an interesting area of study.

As a final note, I want to mention that the task of extracting reliable debt levels from decades worth of filings that appear in multiple formats is a challenging one. While, I think the applicable produced is a strong proof-of-concept, I want to be explicit about the possible sources of error and what could go wrong.

- 1) There are errors, inconsistencies, and missing data in the edgar system of record. Additionally, occasionally daily index files are served out as zipped tar files. This is a corner case that I elected not to handle in the current design and as a result there are some gaps in the debt information extracted.
- 2) The application can fail to extract any information from the filing. This could be a result of the extraction strategies employed not being general enough to capture useful patterns of debt representation, or, it could be the result of a particular filer using particularly non-standard formatting or reporting language.

- 3) Even when extraction succeeds, the raw results are further processed and resolved against standard gaap terms. Occasionally, multiple extracted items will resolve to the same gaap field, and in this case, heuristics are used to select the "best" match. It's likely that some useful extracted results are erroneously filtered out during "entity-linkage" process.
- 4) After resolution, individual debt fields are populated and then aggregated into final short and long term debt numbers. This process of "rolling up" subfields can again introduce error, especially if a piece of information has been incorrectly linked to a "parent" debt field.
- 5) Finally, as touched upon else where, there is a unit-inconsistency between different filing types, with HTML and TEXT filings more likely to report numbers in 1000s. In the results that follow i've done my best to account for unit-scaling, however, this is really something that should be built into the extraction process itself.

```
In [74]: import os
import pandas as pd
import datetime as dt
import matplotlib.pyplot as plt
%matplotlib inline

pd.options.display.max_columns = 50

In [185]: selectCIKs = [
    1062822,
    1178879,
    1541401,
    1492658,
    1598665,
    895126,
    51143,
    320193,
    357294,
    1361658
]

DATA_DIR = '/home/peter/citadel/edgarScraper/data'

def readDebtData(dataDir):

    dfs = []
    for year in range(1994, 2019):
        fileName = 'results_{}.csv'.format(year)
        filePath = os.path.join(dataDir, fileName)
        dfs.append(pd.read_csv(filePath))

    df = pd.concat(dfs)
    df.drop('Unnamed: 0', axis=1, inplace=True)
    df['DATE'] = pd.to_datetime(df['DATE'])
    df.drop_duplicates(inplace=True)
```

```

numerics = ['int16', 'int32', 'int64', 'float16', 'float32', 'float64']
for c in [c for c in df.columns if df[c].dtype in numerics]:
    pass
    #df[c] = df[c].abs()

# if a company submitted multiple 10-Qs within the same calendar month - take only
#df = df.set_index(['DATE', 'CIK', 'NAME'])
df = df.groupby([pd.Grouper(key='DATE', freq='M'), 'CIK']).last()
df = df.reset_index()

return df

def readDisclosureData(dataDir):

    dfs = []
    for year in range(1994, 2019):
        fileName = 'disclosures_{}.csv'.format(year)
        filePath = os.path.join(dataDir, fileName)
        dfs.append(pd.read_csv(filePath))

    df = pd.concat(dfs)
    df.drop('Unnamed: 0', axis=1, inplace=True)
    df['DATE'] = pd.to_datetime(df['DATE'])
    df.drop_duplicates(inplace=True)
    return df[~pd.isnull(df['TEXT'])]

debt = readDebtData(DATA_DIR)
disclosures = readDisclosureData(DATA_DIR)

In [160]: def fixUnitScaling(df, scaleBy, threshold):

    numerics = ['int16', 'int32', 'int64', 'float16', 'float32', 'float64']
    numeric_cols = [c for c in df.columns if df[c].dtype in numerics]

    numericPiece = df.loc[
        df['EXTRACTCODE'].isin(['TEXT', 'HTML']),
        numeric_cols
    ]

    scaledNumericPiece = numericPiece.where( numericPiece > threshold, other=numericPi

    df.loc[
        df['EXTRACTCODE'].isin(['TEXT', 'HTML']),
        numeric_cols
    ] = scaledNumericPiece

    return df

```

```

def getJoinedData(debtDf, disclosureDf, cik, fixScaling=False, scaleBy=1e3, threshold=

    _disclosureDf = disclosureDf[disclosureDf['CIK'] == cik].copy()
    _debtDf = debtDf[debtDf['CIK'] == cik].copy()

    _disclosureDf['Quarter'] = (
        _disclosureDf['DATE'].dt.year.astype(str) +
        _disclosureDf['DATE'].dt.quarter.astype(str)
    )

    _debtDf['Quarter'] = (
        _debtDf['DATE'].dt.year.astype(str) +
        _debtDf['DATE'].dt.quarter.astype(str)
    )

    joined = _debtDf.merge(_disclosureDf, how='left', on=['CIK', 'Quarter'])

    if fixScaling:
        joined = fixUnitScaling(joined, scaleBy, threshold)

    return joined

def makeCompanyDebtPlots(joinedDf):
    fig, (ax1, ax2) = plt.subplots(1,2, figsize=(16,6))
    joinedDf.set_index(['DATE_x']).FINALSHORTTERM.plot(ax=ax1, marker='x')
    joinedDf.set_index(['DATE_x']).FINALLONGTERM.plot(ax=ax2, marker='x')

    nonNullDisclosures = joined[['DATE_x', 'TEXT', 'FINALSHORTTERM', 'FINALLONGTERM']]
    dates = nonNullDisclosures['DATE_x'].tolist()
    longTermValues = nonNullDisclosures['FINALLONGTERM'].tolist()
    shortTermValues = nonNullDisclosures['FINALSHORTTERM'].tolist()
    ax1.scatter(dates, shortTermValues, s=100, c='red', alpha=.5, label="Disclosure Te
    ax2.scatter(dates, longTermValues, s=100, c='red', alpha=.5, label="Disclosure Tex

    #ax1.set_title('Short Term Debt')
    #ax2.set_title('Long Term Debt')

    xlims1 = ax1.get_xlim()
    xlims2 = ax2.get_xlim()
    xlims = ( min(xlims1[0], xlims2[0]) , min(xlims1[1], xlims2[1]) )
    ax1.set_xlim(xlims)
    ax2.set_xlim(xlims)
    ax1.grid()
    ax2.grid()
    ax1.legend()

```

```

ax2.legend()

plt.suptitle("Results for {}".format(joinedDf.NAME[0]))

def viewFrame(joined):
    _joined = joined.copy()
    _joined.dropna(axis=1, how='all', inplace=True)

    if 'DATE_y' in _joined.columns:
        _joined.drop(['Quarter', 'DATE_y', 'ELEMENTYPE'], axis=1, inplace=True)
        _joined.rename(columns={"DATE_x": "DATE"}, inplace=True)
        _joined.set_index('DATE', inplace=True)

    return _joined

def viewDisclosure(joined):

    _joined = joined[~pd.isnull(joined.TEXT)].copy()

    for i, row in _joined.iterrows():
        print(row['DATE_x'].date())
        print(row["TEXT"])
        print()

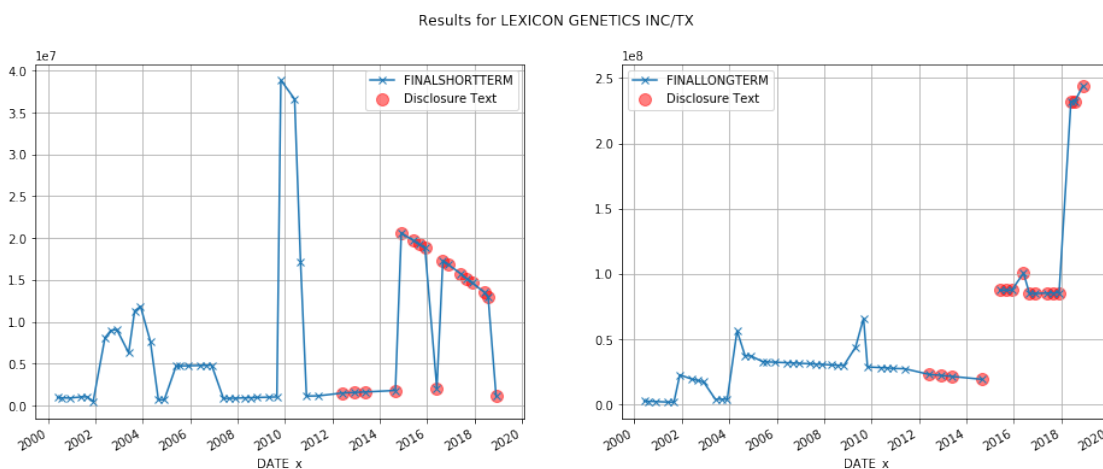
```

## 1.1 Company 1 - Lexicon Pharmaceuticals Inc (1062822)

```

In [186]: joined = getJoinedData(debt, disclosures, 1062822, fixScaling=True, threshold=1e5)
          makeCompanyDebtPlots(joined)

```



```

In [133]: viewFrame(joined)

```

Out[133]:

DATE	CIK	ACCOUNTSPAYABLEANDACCRUEDLIABILITIESCURRENT \
2000-05-31	1.062822e+09	1.970222e+09
2000-07-31	1.062822e+09	1.666828e+09
2000-11-30	1.062822e+09	2.328395e+09
2001-05-31	1.062822e+09	5.546447e+09
2001-08-31	1.062822e+09	5.546447e+09
2001-11-30	1.062822e+09	7.732217e+09
2002-05-31	1.062822e+09	8.081000e+06
2002-08-31	1.062822e+09	8.971000e+06
2002-11-30	1.062822e+09	9.052000e+06
2003-05-31	1.062822e+09	6.286000e+06
2003-08-31	1.062822e+09	1.128900e+07
2003-11-30	1.062822e+09	1.182100e+07
2004-04-30	1.062822e+09	7.631000e+06
2004-08-31	1.062822e+09	9.066000e+06
2004-11-30	1.062822e+09	1.062000e+07
2005-05-31	1.062822e+09	9.177000e+06
2005-07-31	1.062822e+09	1.009700e+07
2005-11-30	1.062822e+09	1.178300e+07
2006-05-31	1.062822e+09	1.044600e+07
2006-08-31	1.062822e+09	1.238000e+07
2006-11-30	1.062822e+09	1.379400e+07
2007-05-31	1.062822e+09	1.113800e+07
2007-08-31	1.062822e+09	1.225700e+07
2007-11-30	1.062822e+09	1.350600e+07
2008-04-30	1.062822e+09	1.364500e+07
2008-07-31	1.062822e+09	1.640900e+07
2008-10-31	1.062822e+09	1.739300e+07
2009-04-30	1.062822e+09	8.189000e+06
2009-08-31	1.062822e+09	1.007300e+07
2009-10-31	1.062822e+09	1.022500e+07
2010-05-31	1.062822e+09	1.014100e+07
2010-08-31	1.062822e+09	9.832000e+06
2010-11-30	1.062822e+09	2.984000e+06
2011-05-31	1.062822e+09	9.423000e+06
2012-05-31	1.062822e+06	1.903400e+07
2012-11-30	1.062822e+06	1.708800e+07
2013-05-31	1.062822e+06	1.514600e+07
2014-08-31	1.062822e+06	1.923600e+07
2014-11-30	1.062822e+06	2.287500e+07
2015-05-31	1.062822e+06	2.391100e+07
2015-08-31	1.062822e+06	2.209800e+07
2015-11-30	1.062822e+06	3.126800e+07
2016-05-31	1.062822e+06	4.915900e+07
2016-08-31	1.062822e+06	5.217500e+07
2016-11-30	1.062822e+06	7.445100e+07
2017-05-31	1.062822e+06	5.213600e+07

2017-08-31	1.062822e+06	5.481600e+07
2017-11-30	1.062822e+06	6.535700e+07
2018-05-31	1.062822e+06	7.941600e+07
2018-07-31	1.062822e+06	6.331600e+07
2018-11-30	1.062822e+06	6.527400e+07

DATE	ACCOUNTSPAYABLECURRENT	ACCRUEDLIABILITIESCURRENT \
2000-05-31	NaN	NaN
2000-07-31	NaN	NaN
2000-11-30	NaN	NaN
2001-05-31	2.522722e+09	3.023725e+09
2001-08-31	2.522722e+09	3.023725e+09
2001-11-30	4.126426e+09	3.605791e+09
2002-05-31	4.046000e+06	4.035000e+06
2002-08-31	4.406000e+06	4.565000e+06
2002-11-30	4.270000e+06	4.782000e+06
2003-05-31	2.752000e+06	3.534000e+06
2003-08-31	4.078000e+06	7.211000e+06
2003-11-30	3.959000e+06	7.862000e+06
2004-04-30	3.820000e+06	3.811000e+06
2004-08-31	3.739000e+06	5.327000e+06
2004-11-30	3.929000e+06	6.691000e+06
2005-05-31	3.495000e+06	5.682000e+06
2005-07-31	2.802000e+06	7.295000e+06
2005-11-30	3.751000e+06	8.032000e+06
2006-05-31	3.589000e+06	6.857000e+06
2006-08-31	4.326000e+06	8.054000e+06
2006-11-30	4.269000e+06	9.525000e+06
2007-05-31	4.366000e+06	6.772000e+06
2007-08-31	4.701000e+06	7.556000e+06
2007-11-30	4.913000e+06	8.593000e+06
2008-04-30	4.252000e+06	9.393000e+06
2008-07-31	7.920000e+06	8.489000e+06
2008-10-31	8.055000e+06	9.338000e+06
2009-04-30	3.083000e+06	5.106000e+06
2009-08-31	3.210000e+06	6.863000e+06
2009-10-31	3.413000e+06	6.812000e+06
2010-05-31	4.773000e+06	5.368000e+06
2010-08-31	3.547000e+06	6.285000e+06
2010-11-30	3.550000e+06	7.437000e+06
2011-05-31	3.159000e+06	6.264000e+06
2012-05-31	5.324000e+06	1.371000e+07
2012-11-30	4.306000e+06	1.278200e+07
2013-05-31	5.442000e+06	9.704000e+06
2014-08-31	8.350000e+06	1.088600e+07
2014-11-30	9.741000e+06	1.313400e+07
2015-05-31	1.214200e+07	1.176900e+07

2015-08-31	1.129100e+07	1.080700e+07
2015-11-30	1.635500e+07	1.491300e+07
2016-05-31	2.554400e+07	2.361500e+07
2016-08-31	2.822500e+07	2.395000e+07
2016-11-30	4.154500e+07	3.290600e+07
2017-05-31	4.194500e+07	1.019100e+07
2017-08-31	4.385700e+07	1.095900e+07
2017-11-30	5.262800e+07	1.272900e+07
2018-05-31	6.655300e+07	1.286300e+07
2018-07-31	5.045100e+07	1.286500e+07
2018-11-30	5.148000e+07	1.379400e+07

DATE	CAPITALLEASEOBLIGATIONS	CURRENT	DEBTCURRENT	EXTRACTCODE \
2000-05-31	78081000.0	9.576920e+08	TEXT	
2000-07-31	21715000.0	9.013260e+08	TEXT	
2000-11-30	0.0	8.741190e+08	TEXT	
2001-05-31	NaN	1.012246e+09	TEXT	
2001-08-31	NaN	1.012246e+09	TEXT	
2001-11-30	103910000.0	4.678950e+08	TEXT	
2002-05-31	NaN	NaN	TEXT	
2002-08-31	NaN	NaN	TEXT	
2002-11-30	NaN	NaN	TEXT	
2003-05-31	NaN	NaN	TEXT	
2003-08-31	NaN	NaN	TEXT	
2003-11-30	NaN	NaN	TEXT	
2004-04-30	NaN	NaN	TEXT	
2004-08-31	NaN	6.630000e+05	TEXT	
2004-11-30	NaN	6.770000e+05	TEXT	
2005-05-31	NaN	4.705000e+06	TEXT	
2005-07-31	NaN	4.721000e+06	TEXT	
2005-11-30	NaN	4.736000e+06	TEXT	
2006-05-31	NaN	4.767000e+06	TEXT	
2006-08-31	NaN	4.783000e+06	HTML	
2006-11-30	NaN	4.800000e+06	HTML	
2007-05-31	NaN	8.260000e+05	HTML	
2007-08-31	NaN	8.440000e+05	HTML	
2007-11-30	NaN	8.610000e+05	HTML	
2008-04-30	NaN	9.050000e+05	HTML	
2008-07-31	NaN	9.240000e+05	HTML	
2008-10-31	NaN	9.440000e+05	HTML	
2009-04-30	NaN	9.840000e+05	HTML	
2009-08-31	NaN	1.004000e+06	HTML	
2009-10-31	NaN	3.886000e+07	HTML	
2010-05-31	NaN	3.659900e+07	HTML	
2010-08-31	NaN	1.710000e+07	HTML	
2010-11-30	NaN	1.114000e+06	HTML	
2011-05-31	NaN	1.138000e+06	HTML	



2012-05-31	NaN	1.478000e+06	XBRL
2012-11-30	NaN	1.542000e+06	XBRL
2013-05-31	NaN	1.607000e+06	XBRL
2014-08-31	NaN	1.783000e+06	XBRL
2014-11-30	NaN	2.060900e+07	XBRL
2015-05-31	NaN	1.971100e+07	XBRL
2015-08-31	NaN	1.925500e+07	XBRL
2015-11-30	NaN	1.878800e+07	XBRL
2016-05-31	NaN	2.020000e+06	XBRL
2016-08-31	NaN	1.728900e+07	XBRL
2016-11-30	NaN	1.679200e+07	XBRL
2017-05-31	NaN	1.575300e+07	XBRL
2017-08-31	NaN	1.515600e+07	XBRL
2017-11-30	NaN	1.463300e+07	XBRL
2018-05-31	NaN	1.351700e+07	XBRL
2018-07-31	NaN	1.289600e+07	XBRL
2018-11-30	NaN	1.115000e+06	XBRL

DATE	FINALLONGTERM	FINALSHORTTERM	LIABILITIESCURRENT \
2000-05-31	2.637783e+09	9.576920e+08	1.078458e+10
2000-07-31	2.420455e+09	9.013260e+08	9.553766e+09
2000-11-30	2.209705e+09	8.741190e+08	6.708853e+09
2001-05-31	1.833982e+09	1.012246e+09	1.123051e+10
2001-08-31	1.833982e+09	1.012246e+09	1.123051e+10
2001-11-30	2.272398e+10	4.678950e+08	1.891507e+10
2002-05-31	1.942400e+07	8.081000e+06	1.817400e+07
2002-08-31	1.838800e+07	8.971000e+06	1.838800e+07
2002-11-30	1.734600e+07	9.052000e+06	1.734600e+07
2003-05-31	4.000000e+06	6.286000e+06	1.678900e+07
2003-08-31	4.000000e+06	1.128900e+07	2.394000e+07
2003-11-30	4.000000e+06	1.182100e+07	2.265000e+07
2004-04-30	5.634400e+07	7.631000e+06	2.752700e+07
2004-08-31	3.728900e+07	6.630000e+05	2.736100e+07
2004-11-30	3.712000e+07	6.770000e+05	3.213200e+07
2005-05-31	3.274800e+07	4.705000e+06	3.294800e+07
2005-07-31	3.256800e+07	4.721000e+06	3.863600e+07
2005-11-30	3.238400e+07	4.736000e+06	4.831900e+07
2006-05-31	3.198200e+07	4.767000e+06	5.548700e+07
2006-08-31	3.178500e+07	4.783000e+06	5.449100e+07
2006-11-30	3.158400e+07	4.800000e+06	4.821600e+07
2007-05-31	3.115600e+07	8.260000e+05	4.316200e+07
2007-08-31	3.094200e+07	8.440000e+05	3.949500e+07
2007-11-30	3.072300e+07	8.610000e+05	3.734500e+07
2008-04-30	3.025100e+07	9.050000e+05	2.769100e+07
2008-07-31	3.001800e+07	9.240000e+05	2.765600e+07
2008-10-31	2.977900e+07	9.440000e+05	2.500700e+07
2009-04-30	4.393900e+07	9.840000e+05	1.228200e+07

2009-08-31	6.597000e+07	1.004000e+06	1.235100e+07
2009-10-31	2.875400e+07	3.886000e+07	5.016600e+07
2010-05-31	2.819900e+07	3.659900e+07	4.731600e+07
2010-08-31	2.792200e+07	1.710000e+07	2.744600e+07
2010-11-30	2.764000e+07	1.114000e+06	1.294800e+07
2011-05-31	2.734500e+07	1.138000e+06	1.077500e+07
2012-05-31	2.306300e+07	1.478000e+06	2.093300e+07
2012-11-30	2.228400e+07	1.542000e+06	1.905100e+07
2013-05-31	2.145700e+07	1.607000e+06	1.738100e+07
2014-08-31	1.925500e+07	1.783000e+06	2.189600e+07
2014-11-30	NaN	2.060900e+07	4.426900e+07
2015-05-31	8.750000e+07	1.971100e+07	4.593300e+07
2015-08-31	8.750000e+07	1.925500e+07	4.357100e+07
2015-11-30	8.750000e+07	1.878800e+07	5.179900e+07
2016-05-31	1.005500e+08	2.020000e+06	1.219430e+08
2016-08-31	8.490900e+07	1.728900e+07	1.309920e+08
2016-11-30	8.503800e+07	1.679200e+07	1.701130e+08
2017-05-31	8.526800e+07	1.575300e+07	1.370610e+08
2017-08-31	8.538300e+07	1.515600e+07	1.331730e+08
2017-11-30	8.551200e+07	1.463300e+07	1.287280e+08
2018-05-31	2.318790e+08	1.351700e+07	1.003700e+08
2018-07-31	2.321980e+08	1.289600e+07	8.133600e+07
2018-11-30	2.438300e+08	1.115000e+06	6.850600e+07

DATE	LIABILITIESNONCURRENT	LIABILITIESOTHERTHANLONGTERMDEBTNONCURRENT \
2000-05-31	1.409314e+10	NaN
2000-07-31	1.197422e+10	NaN
2000-11-30	8.918558e+09	NaN
2001-05-31	1.306449e+10	NaN
2001-08-31	1.306449e+10	NaN
2001-11-30	2.272398e+10	NaN
2002-05-31	1.975300e+07	329000.0
2002-08-31	1.870800e+07	320000.0
2002-11-30	1.788600e+07	540000.0
2003-05-31	2.664600e+07	720000.0
2003-08-31	3.307200e+07	745000.0
2003-11-30	3.090100e+07	614000.0
2004-04-30	1.101540e+08	3426000.0
2004-08-31	8.487800e+07	1082000.0
2004-11-30	9.314200e+07	1205000.0
2005-05-31	8.050900e+07	677000.0
2005-07-31	9.824700e+07	699000.0
2005-11-30	1.291130e+08	715000.0
2006-05-31	1.263690e+08	725000.0
2006-08-31	1.208160e+08	730000.0
2006-11-30	1.106980e+08	735000.0
2007-05-31	9.836400e+07	744000.0

2007-08-31	9.111900e+07	749000.0
2007-11-30	8.682300e+07	754000.0
2008-04-30	7.342500e+07	764000.0
2008-07-31	7.265000e+07	764000.0
2008-10-31	6.976200e+07	764000.0
2009-04-30	7.116000e+07	727000.0
2009-08-31	9.322300e+07	690000.0
2009-10-31	9.378500e+07	653000.0
2010-05-31	9.030600e+07	579000.0
2010-08-31	7.012000e+07	540000.0
2010-11-30	1.020190e+08	47219000.0
2011-05-31	4.932500e+07	49325000.0
2012-05-31	NaN	NaN
2012-11-30	NaN	NaN
2013-05-31	NaN	NaN
2014-08-31	NaN	NaN
2014-11-30	NaN	NaN
2015-05-31	NaN	NaN
2015-08-31	NaN	NaN
2015-11-30	NaN	NaN
2016-05-31	NaN	NaN
2016-08-31	NaN	NaN
2016-11-30	NaN	NaN
2017-05-31	NaN	NaN
2017-08-31	NaN	NaN
2017-11-30	NaN	NaN
2018-05-31	NaN	NaN
2018-07-31	NaN	NaN
2018-11-30	NaN	NaN

LONGTERMDEBTANDCAPITALLEASEOBLIGATIONSCURRENT \

DATE	
2000-05-31	9.576920e+08
2000-07-31	9.013260e+08
2000-11-30	8.741190e+08
2001-05-31	1.012246e+09
2001-08-31	1.012246e+09
2001-11-30	4.678950e+08
2002-05-31	NaN
2002-08-31	NaN
2002-11-30	NaN
2003-05-31	NaN
2003-08-31	NaN
2003-11-30	NaN
2004-04-30	NaN
2004-08-31	6.630000e+05
2004-11-30	6.770000e+05
2005-05-31	4.705000e+06

2005-07-31	4.721000e+06
2005-11-30	4.736000e+06
2006-05-31	4.767000e+06
2006-08-31	4.783000e+06
2006-11-30	4.800000e+06
2007-05-31	8.260000e+05
2007-08-31	8.440000e+05
2007-11-30	8.610000e+05
2008-04-30	9.050000e+05
2008-07-31	9.240000e+05
2008-10-31	9.440000e+05
2009-04-30	9.840000e+05
2009-08-31	1.004000e+06
2009-10-31	3.886000e+07
2010-05-31	3.659900e+07
2010-08-31	1.710000e+07
2010-11-30	1.114000e+06
2011-05-31	1.138000e+06
2012-05-31	1.478000e+06
2012-11-30	1.542000e+06
2013-05-31	1.607000e+06
2014-08-31	1.783000e+06
2014-11-30	2.060900e+07
2015-05-31	1.971100e+07
2015-08-31	1.925500e+07
2015-11-30	1.878800e+07
2016-05-31	2.020000e+06
2016-08-31	1.728900e+07
2016-11-30	1.679200e+07
2017-05-31	1.575300e+07
2017-08-31	1.515600e+07
2017-11-30	1.463300e+07
2018-05-31	1.351700e+07
2018-07-31	1.289600e+07
2018-11-30	1.115000e+06

DATE	LONGTERMDEBTCURRENT	LONGTERMDEBTNONCURRENT \
2000-05-31	8.796110e+08	2.637783e+09
2000-07-31	8.796110e+08	2.420455e+09
2000-11-30	8.741190e+08	2.209705e+09
2001-05-31	1.012246e+09	1.833982e+09
2001-08-31	1.012246e+09	1.833982e+09
2001-11-30	3.639850e+08	0.000000e+00
2002-05-31	NaN	NaN
2002-08-31	NaN	NaN
2002-11-30	NaN	NaN
2003-05-31	NaN	4.000000e+06

2003-08-31	NaN	4.000000e+06
2003-11-30	NaN	4.000000e+06
2004-04-30	NaN	5.634400e+07
2004-08-31	6.630000e+05	3.728900e+07
2004-11-30	6.770000e+05	3.712000e+07
2005-05-31	4.705000e+06	3.274800e+07
2005-07-31	4.721000e+06	3.256800e+07
2005-11-30	4.736000e+06	3.238400e+07
2006-05-31	4.767000e+06	3.198200e+07
2006-08-31	4.783000e+06	3.178500e+07
2006-11-30	4.800000e+06	3.158400e+07
2007-05-31	8.260000e+05	3.115600e+07
2007-08-31	8.440000e+05	3.094200e+07
2007-11-30	8.610000e+05	3.072300e+07
2008-04-30	9.050000e+05	3.025100e+07
2008-07-31	9.240000e+05	3.001800e+07
2008-10-31	9.440000e+05	2.977900e+07
2009-04-30	9.840000e+05	4.393900e+07
2009-08-31	1.004000e+06	6.597000e+07
2009-10-31	3.886000e+07	2.875400e+07
2010-05-31	3.659900e+07	2.819900e+07
2010-08-31	1.710000e+07	2.792200e+07
2010-11-30	1.114000e+06	2.764000e+07
2011-05-31	1.138000e+06	2.734500e+07
2012-05-31	1.478000e+06	2.306300e+07
2012-11-30	1.542000e+06	2.228400e+07
2013-05-31	1.607000e+06	2.145700e+07
2014-08-31	1.783000e+06	1.925500e+07
2014-11-30	2.060900e+07	0.000000e+00
2015-05-31	1.971100e+07	8.750000e+07
2015-08-31	1.925500e+07	8.750000e+07
2015-11-30	1.878800e+07	8.750000e+07
2016-05-31	2.020000e+06	1.005500e+08
2016-08-31	1.728900e+07	8.490900e+07
2016-11-30	1.679200e+07	8.503800e+07
2017-05-31	1.575300e+07	8.526800e+07
2017-08-31	1.515600e+07	8.538300e+07
2017-11-30	1.463300e+07	8.551200e+07
2018-05-31	1.351700e+07	2.318790e+08
2018-07-31	1.289600e+07	2.321980e+08
2018-11-30	1.115000e+06	2.438300e+08

NAME \

DATE

2000-05-31	LEXICON GENETICS INC/TX
2000-07-31	LEXICON GENETICS INC/TX
2000-11-30	LEXICON GENETICS INC/TX
2001-05-31	LEXICON GENETICS INC/TX

2001-08-31	LEXICON GENETICS INC/TX
2001-11-30	LEXICON GENETICS INC/TX
2002-05-31	LEXICON GENETICS INC/TX
2002-08-31	LEXICON GENETICS INC/TX
2002-11-30	LEXICON GENETICS INC/TX
2003-05-31	LEXICON GENETICS INC/TX
2003-08-31	LEXICON GENETICS INC/TX
2003-11-30	LEXICON GENETICS INC/TX
2004-04-30	LEXICON GENETICS INC/TX
2004-08-31	LEXICON GENETICS INC/TX
2004-11-30	LEXICON GENETICS INC/TX
2005-05-31	LEXICON GENETICS INC/TX
2005-07-31	LEXICON GENETICS INC/TX
2005-11-30	LEXICON GENETICS INC/TX
2006-05-31	LEXICON GENETICS INC/TX
2006-08-31	LEXICON GENETICS INC/TX
2006-11-30	LEXICON GENETICS INC/TX
2007-05-31	LEXICON PHARMACEUTICALS, INC./DE
2007-08-31	LEXICON PHARMACEUTICALS, INC./DE
2007-11-30	LEXICON PHARMACEUTICALS, INC./DE
2008-04-30	LEXICON PHARMACEUTICALS, INC./DE
2008-07-31	LEXICON PHARMACEUTICALS, INC./DE
2008-10-31	LEXICON PHARMACEUTICALS, INC./DE
2009-04-30	LEXICON PHARMACEUTICALS, INC./DE
2009-08-31	LEXICON PHARMACEUTICALS, INC./DE
2009-10-31	LEXICON PHARMACEUTICALS, INC./DE
2010-05-31	LEXICON PHARMACEUTICALS, INC./DE
2010-08-31	LEXICON PHARMACEUTICALS, INC./DE
2010-11-30	LEXICON PHARMACEUTICALS, INC./DE
2011-05-31	LEXICON PHARMACEUTICALS, INC./DE
2012-05-31	LEXICON PHARMACEUTICALS, INC./DE
2012-11-30	LEXICON PHARMACEUTICALS, INC./DE
2013-05-31	LEXICON PHARMACEUTICALS, INC./DE
2014-08-31	LEXICON PHARMACEUTICALS, INC./DE
2014-11-30	LEXICON PHARMACEUTICALS, INC./DE
2015-05-31	LEXICON PHARMACEUTICALS, INC.
2015-08-31	LEXICON PHARMACEUTICALS, INC.
2015-11-30	LEXICON PHARMACEUTICALS, INC.
2016-05-31	LEXICON PHARMACEUTICALS, INC.
2016-08-31	LEXICON PHARMACEUTICALS, INC.
2016-11-30	LEXICON PHARMACEUTICALS, INC.
2017-05-31	LEXICON PHARMACEUTICALS, INC.
2017-08-31	LEXICON PHARMACEUTICALS, INC.
2017-11-30	LEXICON PHARMACEUTICALS, INC.
2018-05-31	LEXICON PHARMACEUTICALS, INC.
2018-07-31	LEXICON PHARMACEUTICALS, INC.
2018-11-30	LEXICON PHARMACEUTICALS, INC.

DATE	TEXT
2000-05-31	NaN
2000-07-31	NaN
2000-11-30	NaN
2001-05-31	NaN
2001-08-31	NaN
2001-11-30	NaN
2002-05-31	NaN
2002-08-31	NaN
2002-11-30	NaN
2003-05-31	NaN
2003-08-31	NaN
2003-11-30	NaN
2004-04-30	NaN
2004-08-31	NaN
2004-11-30	NaN
2005-05-31	NaN
2005-07-31	NaN
2005-11-30	NaN
2006-05-31	NaN
2006-08-31	NaN
2006-11-30	NaN
2007-05-31	NaN
2007-08-31	NaN
2007-11-30	NaN
2008-04-30	NaN
2008-07-31	NaN
2008-10-31	NaN
2009-04-30	NaN
2009-08-31	NaN
2009-10-31	NaN
2010-05-31	NaN
2010-08-31	NaN
2010-11-30	NaN
2011-05-31	NaN
2012-05-31	Debt Obligations Mortgage Loan. In April 2004,...
2012-11-30	Debt Obligations Mortgage Loan. In April 2004,...
2013-05-31	Debt Obligations Mortgage Loan. In April 2004,...
2014-08-31	Debt Obligations Mortgage Loan. In April 2004,...
2014-11-30	Debt Obligations Mortgage Loan. In April 2004,...
2015-05-31	Debt ObligationsConvertible Debt. In November ...
2015-08-31	Debt ObligationsConvertible Debt. In November ...
2015-11-30	Debt ObligationsConvertible Debt. In November ...
2016-05-31	Debt ObligationsConvertible Debt. In November ...
2016-08-31	Debt ObligationsConvertible Debt. In November ...
2016-11-30	Debt ObligationsConvertible Debt. In November ...
2017-05-31	Debt ObligationsConvertible Debt. In November ...

2017-08-31 Debt ObligationsConvertible Debt. In November ...  
2017-11-30 Debt ObligationsConvertible Debt. In November ...  
2018-05-31 Debt ObligationsConvertible Debt. In November ...  
2018-07-31 Debt ObligationsConvertible Debt. In November ...  
2018-11-30 Debt ObligationsConvertible Debt. In November ...

In [71]: viewDisclosure(joined)

2012-05-31

Debt Obligations Mortgage Loan. In April 2004, Lexicon obtained a \$34.0 million mortgage on its

2012-11-30

Debt Obligations Mortgage Loan. In April 2004, Lexicon obtained a \$34.0 million mortgage on its

2013-05-31

Debt Obligations Mortgage Loan. In April 2004, Lexicon obtained a \$34.0 million mortgage on its

2014-08-31

Debt Obligations Mortgage Loan. In April 2004, Lexicon obtained a \$34.0 million mortgage on its

2014-11-30

Debt Obligations Mortgage Loan. In April 2004, Lexicon obtained a \$34.0 million mortgage on its

2015-05-31

Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

2015-08-31

Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

2015-11-30

Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

2016-05-31

Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

2016-08-31

Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

2016-11-30

Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

2017-05-31

Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

2017-08-31

Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

2017-11-30



Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

2018-05-31

Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

2018-07-31

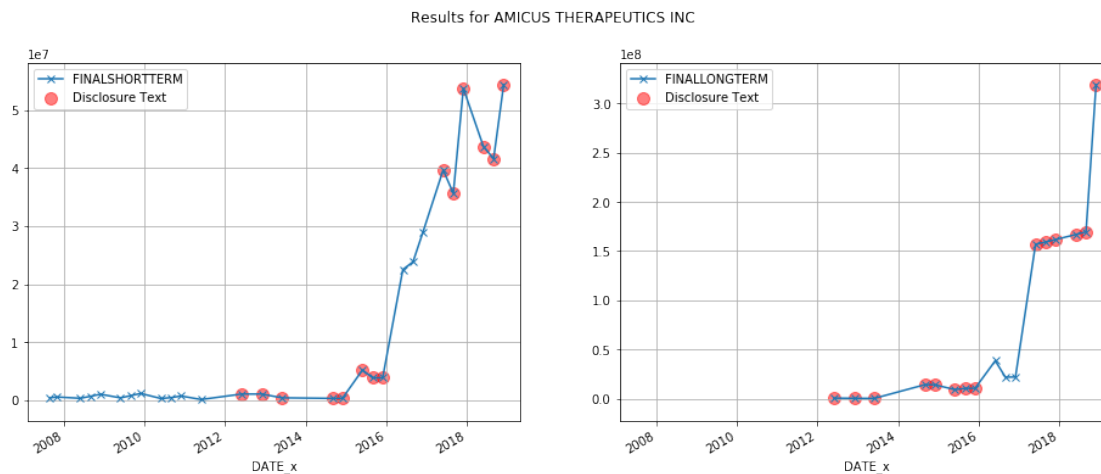
Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

2018-11-30

Debt ObligationsConvertible Debt. In November 2014, Lexicon completed an offering of \$87.5 milli

## 1.2 Company 2 Amicus Therapeutics CIK = 0001178879

```
In [105]: joined = getJoinedData(debt, disclosures, 1178879)
          makeCompanyDebtPlots(joined)
```



```
In [107]: viewFrame(joined)
```

```
Out[107]:
```

DATE	CIK	ACCOUNTSPAYABLEANDACCRUEDLIABILITIESCURRENT	EXTRACTCODE	\
2014-08-31	1541401	74807.0	HTML	
2014-11-30	1541401	97413.0	HTML	
2015-05-31	1541401	101797.0	HTML	
2015-08-31	1541401	101674.0	HTML	
2015-11-30	1541401	106699.0	HTML	
2016-05-31	1541401	119104.0	HTML	
2016-08-31	1541401	143296.0	HTML	
2016-11-30	1541401	154573.0	HTML	
2017-05-31	1541401	125910.0	HTML	

2017-08-31	1541401	136617.0	HTML
2017-11-30	1541401	142690.0	HTML
2018-05-31	1541401	106830.0	HTML
2018-08-31	1541401	129944.0	HTML
2018-11-30	1541401	128340.0	HTML

DATE	FINALLONGTERM	FINALSHORTTERM	LIABILITIESCURRENT \
2014-08-31	1476781.0	74807.0	74807.0
2014-11-30	1908913.0	97413.0	97413.0
2015-05-31	1905282.0	101797.0	101797.0
2015-08-31	1921418.0	101674.0	101674.0
2015-11-30	1936157.0	106699.0	106699.0
2016-05-31	1914396.0	119104.0	119104.0
2016-08-31	1964885.0	143296.0	143296.0
2016-11-30	1929730.0	154573.0	154573.0
2017-05-31	1891250.0	125910.0	125910.0
2017-08-31	1867248.0	136617.0	136617.0
2017-11-30	1878708.0	142690.0	142690.0
2018-05-31	2168475.0	106830.0	106830.0
2018-08-31	2179764.0	129944.0	129944.0
2018-11-30	2177381.0	128340.0	128340.0

DATE	LIABILITIESNONCURRENT	NAME \
2014-08-31	1476781.0	Empire State Realty Trust, Inc.
2014-11-30	1908913.0	Empire State Realty Trust, Inc.
2015-05-31	1905282.0	Empire State Realty Trust, Inc.
2015-08-31	1921418.0	Empire State Realty Trust, Inc.
2015-11-30	1936157.0	Empire State Realty Trust, Inc.
2016-05-31	1914396.0	Empire State Realty Trust, Inc.
2016-08-31	1964885.0	Empire State Realty Trust, Inc.
2016-11-30	1929730.0	Empire State Realty Trust, Inc.
2017-05-31	1891250.0	Empire State Realty Trust, Inc.
2017-08-31	1867248.0	Empire State Realty Trust, Inc.
2017-11-30	1878708.0	Empire State Realty Trust, Inc.
2018-05-31	2168475.0	Empire State Realty Trust, Inc.
2018-08-31	2179764.0	Empire State Realty Trust, Inc.
2018-11-30	2177381.0	Empire State Realty Trust, Inc.

DATE	TEXT
2014-08-31	Debt Mortgage notes payable are collateralized...
2014-11-30	Debt Debt consisted of the following as of Sep...
2015-05-31	Debt Debt consisted of the following as of Mar...
2015-08-31	Debt Debt consisted of the following as of Jun...
2015-11-30	Debt Debt consisted of the following as of Sep...
2016-05-31	Debt Debt consisted of the following as of Mar...

2016-08-31 Debt Debt consisted of the following as of Jun...  
 2016-11-30 Debt Debt consisted of the following as of Sep...  
 2017-05-31 Debt Debt consisted of the following as of Mar...  
 2017-08-31 Debt Debt consisted of the following as of Jun...  
 2017-11-30 Debt Debt consisted of the following as of Sep...  
 2018-05-31 Debt Debt consisted of the following as of Mar...  
 2018-08-31 Debt Debt consisted of the following as of Jun...  
 2018-11-30 Debt Debt consisted of the following as of Sep...

In [77]: viewDisclosure(joined)

2012-05-31

Note 5. Short-Term Borrowings and Long-Term Debt In May 2009, the Company entered into a loan a

2012-11-30

Note 5. Short-Term Borrowings and Long-Term Debt In May 2009, the Company entered into a loan a

2013-05-31

Note 5. Short-Term Borrowings and Long-Term Debt In August 2011, the Company entered into a loan

2014-08-31

Note 9. Short-Term Borrowings and Long-Term Debt In December 2013, the Company entered into the

2014-11-30

Note 9. Short-Term Borrowings and Long-Term Debt In December 2013, the Company entered into the

2015-05-31

Note 9. Short-Term Borrowings and Long-Term Debt In December 2013, the Company entered into a c

2015-08-31

Note 9. Short-Term Borrowings and Long-Term Debt In December 2013, the Company entered into a c

2015-11-30

Note 9. Short-Term Borrowings and Long-Term Debt In December 2013, the Company entered into a c

2017-05-31

Note 7. Debt Instruments 2016 Convertible Debt On December 21, 2016, the Company issued at par

2017-08-31

Note 7. Debt Instruments 2016 Convertible Debt On December 21, 2016, the Company issued at par

2017-11-30

Note 7. Debt Instruments 2016 Convertible Debt On December 21, 2016, the Company issued at par

2018-05-31

Note 5. Debt Convertible Notes due 2023 In December 2016, the Company issued at par value \$250

2018-08-31

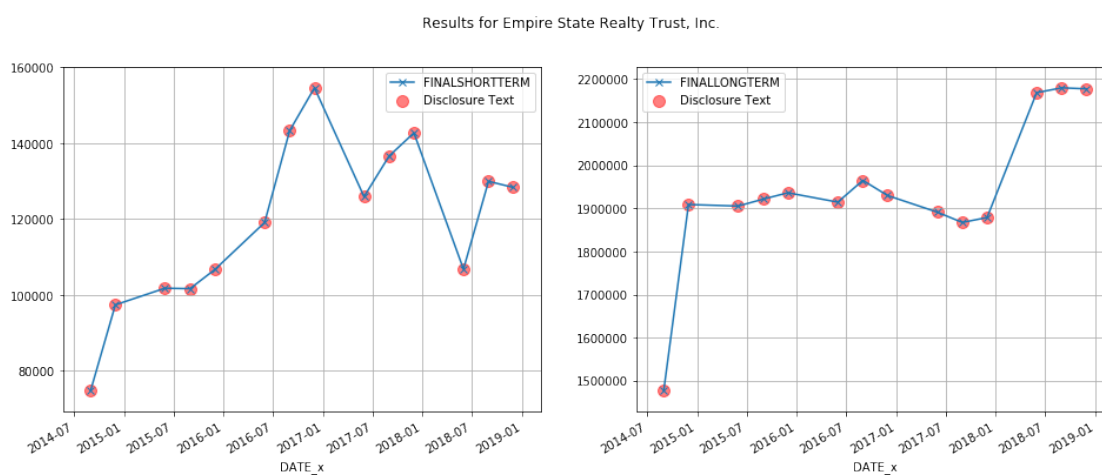
Debt Convertible Notes due 2023 In December 2016, the Company issued at par value \$250 million a

2018-11-30

Debt Senior Secured Term Loan due 2023 In September 2018, the Company entered into a loan agreem

### 1.3 Company 3 Empire State Realty Trust CIK = 0001541401

```
In [115]: joined = getJoinedData(debt, disclosures, 1541401)
          makeCompanyDebtPlots(joined)
```



```
In [80]: viewFrame(joined)
```

```
Out [80]:
```

DATE	CIK	ACCOUNTSPAYABLEANDACCRUEDLIABILITIESCURRENT	EXTRACTCODE
2014-08-31	1541401	74807.0	HTML
2014-11-30	1541401	97413.0	HTML
2015-05-31	1541401	101797.0	HTML
2015-08-31	1541401	101674.0	HTML
2015-11-30	1541401	106699.0	HTML
2016-05-31	1541401	119104.0	HTML
2016-08-31	1541401	143296.0	HTML
2016-11-30	1541401	154573.0	HTML

2017-05-31	1541401	125910.0	HTML
2017-08-31	1541401	136617.0	HTML
2017-11-30	1541401	142690.0	HTML
2018-05-31	1541401	106830.0	HTML
2018-08-31	1541401	129944.0	HTML
2018-11-30	1541401	128340.0	HTML

	FINALLONGTERM	FINALSHORTTERM	LIABILITIESCURRENT \
DATE			
2014-08-31	1476781.0	74807000.0	74807.0
2014-11-30	1908913.0	97413000.0	97413.0
2015-05-31	1905282.0	101797.0	101797.0
2015-08-31	1921418.0	101674.0	101674.0
2015-11-30	1936157.0	106699.0	106699.0
2016-05-31	1914396.0	119104.0	119104.0
2016-08-31	1964885.0	143296.0	143296.0
2016-11-30	1929730.0	154573.0	154573.0
2017-05-31	1891250.0	125910.0	125910.0
2017-08-31	1867248.0	136617.0	136617.0
2017-11-30	1878708.0	142690.0	142690.0
2018-05-31	2168475.0	106830.0	106830.0
2018-08-31	2179764.0	129944.0	129944.0
2018-11-30	2177381.0	128340.0	128340.0

	LIABILITIESNONCURRENT	NAME \
DATE		
2014-08-31	1476781.0	Empire State Realty Trust, Inc.
2014-11-30	1908913.0	Empire State Realty Trust, Inc.
2015-05-31	1905282.0	Empire State Realty Trust, Inc.
2015-08-31	1921418.0	Empire State Realty Trust, Inc.
2015-11-30	1936157.0	Empire State Realty Trust, Inc.
2016-05-31	1914396.0	Empire State Realty Trust, Inc.
2016-08-31	1964885.0	Empire State Realty Trust, Inc.
2016-11-30	1929730.0	Empire State Realty Trust, Inc.
2017-05-31	1891250.0	Empire State Realty Trust, Inc.
2017-08-31	1867248.0	Empire State Realty Trust, Inc.
2017-11-30	1878708.0	Empire State Realty Trust, Inc.
2018-05-31	2168475.0	Empire State Realty Trust, Inc.
2018-08-31	2179764.0	Empire State Realty Trust, Inc.
2018-11-30	2177381.0	Empire State Realty Trust, Inc.

	TEXT
DATE	
2014-08-31	Debt Mortgage notes payable are collateralized...
2014-11-30	Debt Debt consisted of the following as of Sep...
2015-05-31	Debt Debt consisted of the following as of Mar...
2015-08-31	Debt Debt consisted of the following as of Jun...
2015-11-30	Debt Debt consisted of the following as of Sep...

2016-05-31 Debt Debt consisted of the following as of Mar...  
 2016-08-31 Debt Debt consisted of the following as of Jun...  
 2016-11-30 Debt Debt consisted of the following as of Sep...  
 2017-05-31 Debt Debt consisted of the following as of Mar...  
 2017-08-31 Debt Debt consisted of the following as of Jun...  
 2017-11-30 Debt Debt consisted of the following as of Sep...  
 2018-05-31 Debt Debt consisted of the following as of Mar...  
 2018-08-31 Debt Debt consisted of the following as of Jun...  
 2018-11-30 Debt Debt consisted of the following as of Sep...

In [108]: viewDisclosure(joined)

2014-08-31

Debt Mortgage notes payable are collateralized by the following respective real estate properties

2014-11-30

Debt Debt consisted of the following as of September 30, 2014, and December 31, 2014 (amounts in thousands)

2015-05-31

Debt Debt consisted of the following as of March 31, 2015 and December 31, 2014 (amounts in thousands)

2015-08-31

Debt Debt consisted of the following as of June 30, 2015 and December 31, 2014 (amounts in thousands)

2015-11-30

Debt Debt consisted of the following as of September 30, 2015 and December 31, 2014 (amounts in thousands)

2016-05-31

Debt Debt consisted of the following as of March 31, 2016 and December 31, 2015 (amounts in thousands)

2016-08-31

Debt Debt consisted of the following as of June 30, 2016 and December 31, 2015 (amounts in thousands)

2016-11-30

Debt Debt consisted of the following as of September 30, 2016 and December 31, 2015 (amounts in thousands)

2017-05-31

Debt Debt consisted of the following as of March 31, 2017 and December 31, 2016 (amounts in thousands)

2017-08-31

Debt Debt consisted of the following as of June 30, 2017 and December 31, 2016 (amounts in thousands)

2017-11-30

Debt Debt consisted of the following as of September 30, 2017 and December 31, 2016 (amounts in thousands)

2018-05-31

Debt Debt consisted of the following as of March 31, 2018 and December 31, 2017 (amounts in thousands)

2018-08-31

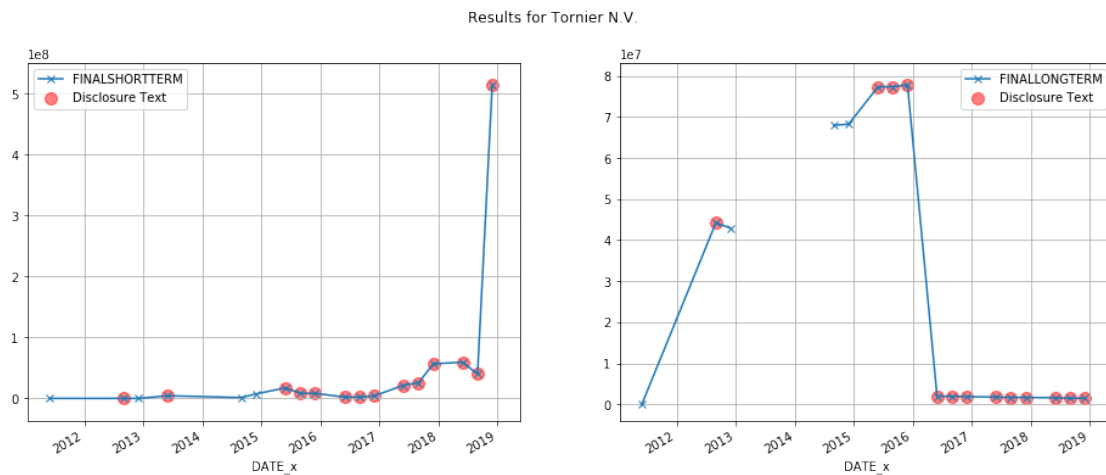
Debt Debt consisted of the following as of June 30, 2018 and December 31, 2017 (amounts in thous

2018-11-30

Debt Debt consisted of the following as of September 30, 2018 and December 31, 2017 (amounts in

## 1.4 Company 4 Wright Medical Group CIK = 0001492658

```
In [116]: joined = getJoinedData(debt, disclosures, 1492658)
          makeCompanyDebtPlots(joined)
```



```
In [111]: viewFrame(joined)
```

```
Out[111]:
```

DATE	CIK	ACCOUNTSPAYABLEANDACCRUEDLIABILITIESCURRENT \
2011-05-31	1.492658e+09	1674000.0
2012-08-31	1.492658e+06	46465000.0
2012-11-30	1.492658e+06	48383000.0
2013-05-31	1.492658e+06	63309000.0
2014-08-31	1.492658e+06	74269000.0
2014-11-30	1.492658e+06	68076000.0
2015-05-31	1.492658e+06	73767000.0
2015-08-31	1.492658e+06	73864000.0
2015-11-30	1.492658e+06	72211000.0
2016-05-31	1.492658e+06	30789000.0
2016-08-31	1.492658e+06	28104000.0
2016-11-30	1.492658e+06	425166000.0
2017-05-31	1.492658e+06	733702000.0
2017-08-31	1.492658e+06	475192000.0

2017-11-30	1.492658e+06	431042000.0
2018-05-31	1.492658e+06	310685000.0
2018-08-31	1.492658e+06	310243000.0
2018-11-30	1.492658e+06	551379000.0

DATE	ACCOUNTSPAYABLECURRENT	ACCRUEDLIABILITIESCURRENT \
2011-05-31	13180000.0	37223000.0
2012-08-31	12020000.0	34445000.0
2012-11-30	10044000.0	38339000.0
2013-05-31	15297000.0	48012000.0
2014-08-31	21149000.0	53120000.0
2014-11-30	14269000.0	53807000.0
2015-05-31	16592000.0	57175000.0
2015-08-31	20630000.0	53234000.0
2015-11-30	15306000.0	56905000.0
2016-05-31	30789000.0	NaN
2016-08-31	28104000.0	NaN
2016-11-30	25181000.0	399985000.0
2017-05-31	36057000.0	697645000.0
2017-08-31	42762000.0	432430000.0
2017-11-30	43481000.0	387561000.0
2018-05-31	43334000.0	267351000.0
2018-08-31	42208000.0	268035000.0
2018-11-30	45057000.0	506322000.0

DATE	CONVERTIBLENOTESPAYABLECURRENT	DEBTCURRENT	EXTRACTCODE \
2011-05-31	NaN	16367000.0	HTML
2012-08-31	NaN	18011000.0	XBRL
2012-11-30	NaN	25966000.0	XBRL
2013-05-31	NaN	4337000.0	XBRL
2014-08-31	NaN	1364000.0	XBRL
2014-11-30	NaN	7408000.0	XBRL
2015-05-31	NaN	17255000.0	XBRL
2015-08-31	NaN	8264000.0	XBRL
2015-11-30	NaN	8354000.0	XBRL
2016-05-31	NaN	2092000.0	XBRL
2016-08-31	NaN	2009000.0	XBRL
2016-11-30	NaN	4117000.0	XBRL
2017-05-31	285448000.0	21697000.0	XBRL
2017-08-31	NaN	25639000.0	XBRL
2017-11-30	NaN	56783000.0	XBRL
2018-05-31	NaN	59340000.0	XBRL
2018-08-31	NaN	39861000.0	XBRL
2018-11-30	NaN	514930000.0	XBRL

FINALLONGTERM	FINALSHORTTERM	LIABILITIESCURRENT \
---------------	----------------	----------------------



DATE			
2011-05-31	25562000.0	1.636700e+07	6.779600e+07
2012-08-31	44200000.0	1.801100e-02	6.547400e+07
2012-11-30	42884000.0	2.596600e-02	7.498400e+07
2013-05-31	NaN	4.337000e+06	7.602800e+07
2014-08-31	67948000.0	1.364000e+06	8.566800e+07
2014-11-30	68201000.0	7.408000e+06	7.856100e+07
2015-05-31	77286000.0	1.725500e+07	9.429200e+07
2015-08-31	77308000.0	8.264000e+06	8.487500e+07
2015-11-30	77774000.0	8.354000e+06	8.270600e+07
2016-05-31	1945000.0	2.092000e+06	1.999610e+08
2016-08-31	1975000.0	2.009000e+06	4.000360e+08
2016-11-30	1894000.0	4.117000e+06	4.313320e+08
2017-05-31	1759000.0	2.169700e+07	1.040847e+09
2017-08-31	1683000.0	2.563900e+07	5.008310e+08
2017-11-30	1683000.0	5.678300e+07	4.878250e+08
2018-05-31	1600000.0	5.934000e+07	3.700250e+08
2018-08-31	1500000.0	3.986100e+07	3.501040e+08
2018-11-30	1500000.0	5.149300e+08	1.066309e+09

	LIABILITIESNONCURRENT	LIABILITIESOTHERTHANLONGTERMDEBTNONCURRENT \
DATE		
2011-05-31	120895000.0	3964000.0
2012-08-31	NaN	NaN
2012-11-30	NaN	NaN
2013-05-31	NaN	NaN
2014-08-31	NaN	NaN
2014-11-30	NaN	NaN
2015-05-31	NaN	NaN
2015-08-31	NaN	NaN
2015-11-30	NaN	NaN
2016-05-31	NaN	NaN
2016-08-31	NaN	NaN
2016-11-30	NaN	NaN
2017-05-31	NaN	NaN
2017-08-31	NaN	NaN
2017-11-30	NaN	NaN
2018-05-31	NaN	NaN
2018-08-31	NaN	NaN
2018-11-30	NaN	NaN

	LONGTERMDEBTANDCAPITALLEASEOBLIGATIONS \
DATE	
2011-05-31	NaN
2012-08-31	NaN
2012-11-30	NaN
2013-05-31	NaN
2014-08-31	NaN

2014-11-30	NaN
2015-05-31	NaN
2015-08-31	NaN
2015-11-30	NaN
2016-05-31	5.704340e+08
2016-08-31	7.594610e+08
2016-11-30	7.693330e+08
2017-05-31	5.074300e+08
2017-08-31	8.057700e+08
2017-11-30	8.188730e+08
2018-05-31	8.515220e+08
2018-08-31	1.061998e+09
2018-11-30	5.865820e+08

LONGTERMDEBTANDCAPITALLEASEOBLIGATIONSCURRENT \

DATE	
2011-05-31	NaN
2012-08-31	39911000.0
2012-11-30	47050000.0
2013-05-31	117698000.0
2014-08-31	NaN
2014-11-30	NaN
2015-05-31	NaN
2015-08-31	NaN
2015-11-30	NaN
2016-05-31	NaN
2016-08-31	NaN
2016-11-30	NaN
2017-05-31	285448000.0
2017-08-31	NaN
2017-11-30	NaN
2018-05-31	NaN
2018-08-31	NaN
2018-11-30	NaN

LONGTERMDEBTCURRENT LONGTERMDEBTNONCURRENT \

DATE		
2011-05-31	NaN	25562000.0
2012-08-31	39911000.0	44200000.0
2012-11-30	47050000.0	42884000.0
2013-05-31	117698000.0	NaN
2014-08-31	NaN	67948000.0
2014-11-30	NaN	68201000.0
2015-05-31	NaN	77286000.0
2015-08-31	NaN	77308000.0
2015-11-30	NaN	77774000.0
2016-05-31	NaN	1945000.0
2016-08-31	NaN	1975000.0

2016-11-30	NaN	1894000.0
2017-05-31	285448000.0	1759000.0
2017-08-31	NaN	1683000.0
2017-11-30	NaN	1683000.0
2018-05-31	NaN	1600000.0
2018-08-31	NaN	1500000.0
2018-11-30	NaN	1500000.0

	LONGTERMNOTESANDLOANS	LONGTERMNOTESPAYABLE \
DATE		
2011-05-31	NaN	NaN
2012-08-31	NaN	NaN
2012-11-30	NaN	NaN
2013-05-31	NaN	NaN
2014-08-31	NaN	NaN
2014-11-30	NaN	NaN
2015-05-31	2000000.0	2000000.0
2015-08-31	2000000.0	2000000.0
2015-11-30	2000000.0	2000000.0
2016-05-31	1945000.0	1945000.0
2016-08-31	1975000.0	1975000.0
2016-11-30	1894000.0	1894000.0
2017-05-31	1759000.0	1759000.0
2017-08-31	1683000.0	1683000.0
2017-11-30	1683000.0	1683000.0
2018-05-31	1600000.0	1600000.0
2018-08-31	1500000.0	1500000.0
2018-11-30	1500000.0	1500000.0

	NAME	NOTESANDLOANSPAYABLECURRENT \
DATE		
2011-05-31	Tornier N.V.	NaN
2012-08-31	Tornier N.V.	NaN
2012-11-30	Tornier N.V.	NaN
2013-05-31	Tornier N.V.	NaN
2014-08-31	Tornier N.V.	NaN
2014-11-30	Tornier N.V.	NaN
2015-05-31	Tornier N.V.	NaN
2015-08-31	Tornier N.V.	NaN
2015-11-30	Wright Medical Group N.V.	NaN
2016-05-31	Wright Medical Group N.V.	NaN
2016-08-31	Wright Medical Group N.V.	NaN
2016-11-30	Wright Medical Group N.V.	NaN
2017-05-31	Wright Medical Group N.V.	285448000.0
2017-08-31	Wright Medical Group N.V.	NaN
2017-11-30	Wright Medical Group N.V.	NaN
2018-05-31	Wright Medical Group N.V.	NaN
2018-08-31	Wright Medical Group N.V.	NaN

2018-11-30 Wright Medical Group N.V. NaN

	NOTESPAYABLECURRENT	OTHERLONGTERMDEBTCURRENT \
DATE		
2011-05-31	NaN	NaN
2012-08-31	NaN	22262000.0
2012-11-30	NaN	21790000.0
2013-05-31	NaN	111106000.0
2014-08-31	NaN	NaN
2014-11-30	NaN	NaN
2015-05-31	NaN	NaN
2015-08-31	NaN	NaN
2015-11-30	NaN	NaN
2016-05-31	NaN	NaN
2016-08-31	NaN	NaN
2016-11-30	NaN	NaN
2017-05-31	285448000.0	NaN
2017-08-31	NaN	NaN
2017-11-30	NaN	NaN
2018-05-31	NaN	NaN
2018-08-31	NaN	NaN
2018-11-30	NaN	NaN

	OTHERLONGTERMDEBTNONCURRENT	SECUREDLONGTERMDEBT \
DATE		
2011-05-31	25562000.0	NaN
2012-08-31	21900000.0	22300000.0
2012-11-30	21084000.0	21800000.0
2013-05-31	NaN	NaN
2014-08-31	NaN	NaN
2014-11-30	NaN	NaN
2015-05-31	NaN	NaN
2015-08-31	NaN	NaN
2015-11-30	NaN	NaN
2016-05-31	NaN	NaN
2016-08-31	NaN	NaN
2016-11-30	NaN	NaN
2017-05-31	NaN	NaN
2017-08-31	NaN	NaN
2017-11-30	NaN	NaN
2018-05-31	NaN	NaN
2018-08-31	NaN	NaN
2018-11-30	NaN	NaN

	SHORTTERMBORROWINGS \
DATE	
2011-05-31	NaN
2012-08-31	1.801100e-02

2012-11-30	2.596600e-02
2013-05-31	4.337000e+06
2014-08-31	NaN
2014-11-30	NaN
2015-05-31	NaN
2015-08-31	NaN
2015-11-30	NaN
2016-05-31	NaN
2016-08-31	NaN
2016-11-30	NaN
2017-05-31	NaN
2017-08-31	NaN
2017-11-30	NaN
2018-05-31	NaN
2018-08-31	NaN
2018-11-30	NaN

DATE	TEXT
2011-05-31	NaN
2012-08-31	6. Instruments Instruments included in long-te...
2012-11-30	NaN
2013-05-31	\n9. Debt The following table\nprovides a summ...
2014-08-31	NaN
2014-11-30	NaN
2015-05-31	8. Debt A summary of debt is as follows (in t...
2015-08-31	8. Debt A summary of debt is as follows (in t...
2015-11-30	8. Debt A summary of debt is as follows (in t...
2016-05-31	Long-Term Debt and Capital Lease ObligationsLo...
2016-08-31	Long-Term Debt and Capital Lease ObligationsLo...
2016-11-30	Long-Term Debt and Capital Lease ObligationsLo...
2017-05-31	Debt and Capital Lease ObligationsDebt and cap...
2017-08-31	Debt and Capital Lease ObligationsDebt and cap...
2017-11-30	Debt and Capital Lease ObligationsDebt and cap...
2018-05-31	Debt and Capital Lease ObligationsDebt and cap...
2018-08-31	Debt and Capital Lease ObligationsDebt and cap...
2018-11-30	Debt and Capital Lease ObligationsDebt and cap...

In [117]: viewDisclosure(joined)

2012-08-31

6. Instruments Instruments included in long-term assets on the consolidated balance sheets consi  
77,631 \$

72,971 Instruments in process 18,403 18,024 Accumulated depreciation (46,702  
) (41,648

) Instruments, net \$

49,332 \$

49,347 The Company recorded an impairment of \$0.3 million for the six months ended July 1, 2012

2013-05-31

9. Debt The following table

provides a summary of the components of debt (in thousands): March 31,

2013 December 30,

2012 Lines of credit and overdraft arrangements \$

1,000 \$

1,000 Mortgages 3,454 3,719 Term debt 111,106 113,135 Shareholder debt 2,138 2,198 Total debt 11

portion (4,337

) (4,595

) Long-term debt \$

113,361 \$

115,457 Lines of

Credit On October 4, 2012,

the Company and its U.S. operating subsidiary, Tornier, Inc.

(Tornier USA), entered into a credit agreement with Bank of

America, N.A., as Administrative Agent, SG Americas Securities,

LLC, as Syndication Agent, BMO Capital Markets and JPMorgan Chase

Bank, N.A., as Co-Documentation Agents, Merrill Lynch, Pierce,

Fenner & Smith Incorporated and SG Americas Securities,

LLC, as Joint Lead Arrangers and Joint Bookrunners, and the other

lenders party thereto. The credit agreement includes a senior

secured revolving credit facility denominated at the election of

Tornier USA, in U.S. dollars, Euros, pounds, sterling and yen in an

aggregate principal amount of up to the U.S. dollar equivalent of

\$30.0 million. Funds available under the revolving credit facility

may be used for general corporate purposes. Loans under the

revolving credit facility bear interest at (a) the alternate

base rate (if denominated in U.S. dollars), equal to the greatest

of (i) the prime rate in effect on such day, (ii) the

federal funds rate in effect on such day plus 1/2 of 1%, and

(iii) the adjusted LIBO rate plus 1%, plus in the case of each

of (i)-(iii) above, an applicable rate of 2.00% or 2.25%

(depending on the Companys total net leverage ratio as

defined in the Companys credit agreement), or (b) in

the case of a eurocurrency loan (as defined in the Companys

credit agreement), at the applicable adjusted LIBO rate for the

relevant interest period plus an applicable rate of 3.00% or 3.25%

(depending on the Companys total net leverage ratio), plus

the mandatory cost (as defined in the Companys credit

agreement) if such loan is made in a currency other than U.S.

dollars or from a lending office in the United Kingdom or a

participating member state (as defined in the Companys

credit agreement). The total amount outstanding as of

March 31, 2013 and December 30, 2012 related to this line

of credit were \$1.0 million and \$1.0 million, respectively. The term of the line of credit ends in October 2017.

Mortgages The Company has a mortgage secured by an office building in Grenoble, France. This mortgage had an outstanding balance of \$3.5 million and \$3.7 million at March 31, 2013 and December 30, 2012, respectively. This mortgage bears a fixed annual interest rate of 4.9%.

#### Term

Debt In addition to the senior secured revolving credit facility discussed above, the credit agreement entered into on October 4, 2012 also provided for an aggregate credit commitment to Tornier USA of \$115.0 million of term debt, consisting of: (1) a senior secured term loan facility to Tornier USA denominated in U.S. dollars in an aggregate principal amount of up to \$75.0 million; and (2) a senior secured term loan facility to Tornier USA denominated in Euros in an aggregate principal amount of up to the U.S. dollar equivalent of \$40.0 million. The borrowings under the term loan facilities were used to pay the cash consideration for the OrthoHelix acquisition, fees, costs and expenses incurred in connection with the acquisition and the credit agreement, and to repay prior existing indebtedness of the Company and its subsidiaries. The debt matures in October 2017. Borrowings under the senior secured term loan facilities within the credit agreement as of March 31, 2013 and December 30, 2012 were as follows: March 31, 2013 December 30,

2012 Senior secured U.S. dollar term loan \$

75,351 \$

75,000 Senior secured Euro term

loan 39,356 40,772 Debt discount (4,884

) (5,138

) Total \$

109,823 \$

110,634 The U.S. dollar denominated

term facility bears interest at (a) the alternate base rate (if denominated in U.S. dollars), equal to the greatest of (i) the prime rate in effect on such day, (ii) the federal funds rate in effect on such day plus 1/2 of 1%, and (iii) the adjusted LIBO rate, with a floor of 1% (as defined in the Companys new credit agreement) plus 1%, plus in the case of each of (i)-(iii) above, an applicable rate of 2.00% or 2.25% (depending on the Companys total net leverage ratio as defined in the credit agreement), or (b) in the case of a eurocurrency loan (as defined in the Companys credit agreement), at the applicable adjusted LIBO rate for the relevant interest period, with a floor of 1%, plus an applicable rate of

3.00% or 3.25% (depending on the Companys total net leverage ratio), plus the mandatory cost (as defined in the Companys credit agreement) if such loan is made in a currency other than U.S. dollars or from a lending office in the United Kingdom or a participating member state (as defined in the Companys credit agreement). Under the Euro denominated term facility, (a) alternate base rate loans bear interest at the alternate base rate plus the applicable rate, which is 3.00% or 3.25% (depending on the Companys total net leverage ratio) and (b) eurocurrency loans bear interest at the adjusted LIBO rate for the relevant interest period, with a floor of 1%, plus an applicable rate, which is 4.00% or 4.25% (depending on the Companys total net leverage ratio), plus the mandatory cost, if applicable. The credit agreement, including the term loans and the revolving line of credit, contains customary covenants, including financial covenants which require the Company to maintain a minimum interest coverage ratio, annual capital expenditure limits and a maximum total net leverage ratio, and customary events of default. The obligations under the credit agreement are guaranteed by the Company, Tornier USA and certain other specified subsidiaries of the Company, and, subject to certain exceptions, are secured by a first priority security interest in substantially all of the assets of the Company and certain specified existing and future subsidiaries of the Company. The Company was in compliance with all covenants as of March 31, 2013. Also included in term debt is \$1.3 million and \$1.5 million related to capital leases at March 31, 2013 and December 30, 2012, respectively.

#### Shareholder

Debt In 2008, one of the Companys 51%-owned and consolidated subsidiaries borrowed \$2.2 million from a member of the Companys board of directors who is also a 49% owner of the consolidated subsidiary. This loan was used to partially fund the purchase of real estate in Grenoble, France, to be used as a manufacturing facility. Interest on the debt is variable based on three-month Euro plus 0.5%. The outstanding balance on this debt was \$2.1 million and \$2.2 million as of March 31, 2013 and December 30, 2012, respectively. The non-controlling interest in this subsidiary is deemed immaterial to the consolidated financial statements.

2015-05-31

8. Debt A summary of debt is as follows (in thousands): March 29, 2015 December 28, 2014 Line of credit 16,000 \$ 6,000 Mortgages 2,960 3,553 Bank term debt 73,616 63,743 Shareholder debt 1,965 2,203 Total debt 94,541 76,502



) (7,394  
 ) Long-term debt \$  
 77,286 \$  
 68,105 Line of Credit On October 4, 2012, the Company, and one of its U.S. operating subsidiaries  
 74,031 \$  
 64,031 Deferred financing cost (2,218  
 ) (2,315  
 ) Total \$  
 71,813 \$  
 61,716 The USD term facility bears interest at (a) the alternate base rate (if denominated in U.S. dollars)

2015-08-31

8. Debt A summary of debt is as follows (in thousands): June 28, 2015 December 28, 2014 Line of Credit \$  
 7,000 \$  
 6,000 Mortgages 2,850 3,553 Bank term debt 73,687 63,743 Shareholder debt 2,035 2,203 Total debt  
 ) (7,394  
 ) Long-term debt \$  
 77,308 \$  
 68,105 Line of Credit On October 4, 2012, the Company, and one of its U.S. operating subsidiaries  
 74,031 \$  
 64,031 Deferred financing cost (2,074  
 ) (2,315  
 ) Total \$  
 71,957 \$  
 61,716 The USD term facility bears interest at (a) the alternate base rate (if denominated in U.S. dollars)

2015-11-30

8. Debt A summary of debt is as follows (in thousands): September 27, 2015 December 28, 2014 Line of Credit \$  
 7,000 \$  
 6,000 Mortgages 2,630 3,553 Bank term debt 74,464 63,743 Shareholder debt 2,034 2,203 Total debt  
 ) (7,394  
 ) Long-term debt \$  
 77,774 \$  
 68,105 Line of Credit On October 4, 2012, the Company, and one of its U.S. operating subsidiaries  
 74,031 \$  
 64,031 Deferred financing cost (1,774  
 ) (2,315  
 ) Total \$  
 72,257 \$  
 61,716 The USD term facility bore interest at (a) the alternate base rate (if denominated in U.S. dollars)

2016-05-31

ordinary share Long-term debt and Capital Lease Obligations Long-term debt and Capital Lease Obligations

2016-08-31

og generally right. High-Tech Detroit and the Capital Markets Institute are doing the right thing - not delegating and just making the right decisions. In response,

2016-11-30

ordinary 2016. The first thing I did was to get the company's financials. I then went to the company's website and found the following information: The company's

2017-05-31

erised by \$662 million. The company's total debt was \$1.1 billion. The company's total assets were \$1.1 billion. The company's total liabilities were \$1.1 billion.

2017-08-31

fig at a price of \$1.1 billion. The company's total debt was \$1.1 billion. The company's total assets were \$1.1 billion. The company's total liabilities were \$1.1 billion.

2017-11-30

easy to find and adopt. The company's total debt was \$1.1 billion. The company's total assets were \$1.1 billion. The company's total liabilities were \$1.1 billion.

2018-05-31

some of the key points. The company's total debt was \$1.1 billion. The company's total assets were \$1.1 billion. The company's total liabilities were \$1.1 billion.

2018-08-31

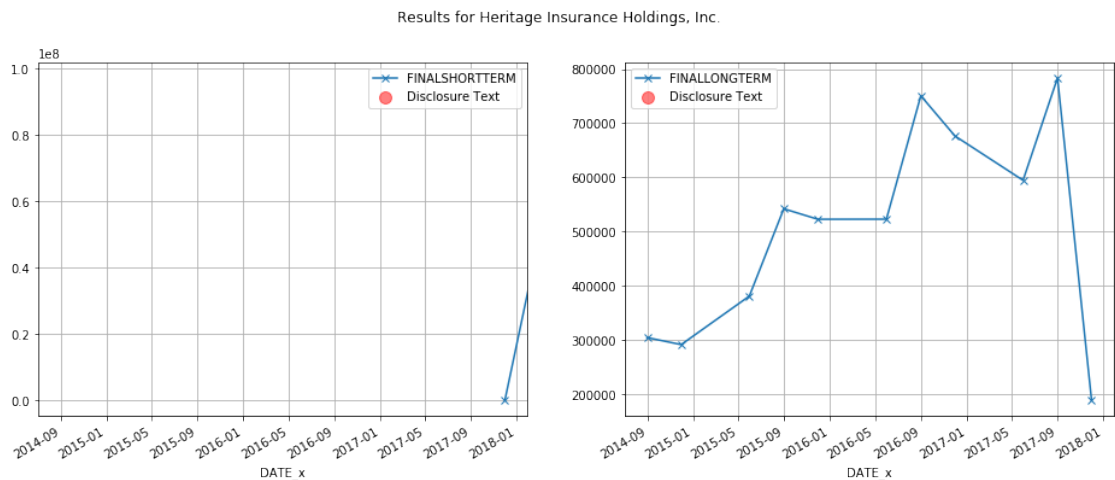
the company's total debt was \$1.1 billion. The company's total assets were \$1.1 billion. The company's total liabilities were \$1.1 billion.

2018-11-30

the company's total debt was \$1.1 billion. The company's total assets were \$1.1 billion. The company's total liabilities were \$1.1 billion.

## 1.5 Company 5 Heritage Insurance Holdings CIK = 0001598665

```
In [155]: joined = getJoinedData(debt, disclosures, 1598665)
         makeCompanyDebtPlots(joined)
```



```
In [156]: viewFrame(joined)
```

Out[156]: CIK ACCOUNTSPAYABLEANDACCRUEDLIABILITIESCURRENT \

DATE		
2014-08-31	1598665	NaN
2014-11-30	1598665	NaN
2015-05-31	1598665	NaN
2015-08-31	1598665	NaN
2015-11-30	1598665	NaN
2016-05-31	1598665	NaN
2016-08-31	1598665	NaN
2016-11-30	1598665	NaN
2017-05-31	1598665	NaN
2017-08-31	1598665	NaN
2017-11-30	1598665	20982.0
2018-05-31	1598665	NaN
2018-08-31	1598665	NaN
2018-11-30	1598665	NaN

	BANKOVERDRAFTS	DEBTCURRENT	EXTRACTCODE	FINALLONGTERM
DATE				
2014-08-31	NaN	NaN	HTML	304224.0
2014-11-30	NaN	NaN	HTML	291291.0
2015-05-31	NaN	NaN	HTML	380843.0
2015-08-31	NaN	NaN	HTML	542025.0
2015-11-30	NaN	NaN	HTML	522644.0
2016-05-31	NaN	NaN	HTML	522798.0
2016-08-31	NaN	NaN	HTML	750598.0
2016-11-30	NaN	NaN	HTML	676470.0
2017-05-31	NaN	NaN	HTML	594573.0
2017-08-31	NaN	NaN	HTML	783368.0
2017-11-30	NaN	NaN	HTML	188634.0
2018-05-31	97181000.0	97181000.0	XBRL	NaN
2018-08-31	45338000.0	45338000.0	XBRL	NaN
2018-11-30	2309000.0	2309000.0	XBRL	NaN

	FINALSHORTTERM	LIABILITIESCURRENT	LIABILITIESNONCURRENT
DATE			
2014-08-31	NaN	NaN	304224.0
2014-11-30	NaN	NaN	291291.0
2015-05-31	NaN	NaN	380843.0
2015-08-31	NaN	NaN	542025.0
2015-11-30	NaN	NaN	522644.0
2016-05-31	NaN	NaN	522798.0
2016-08-31	NaN	NaN	750598.0
2016-11-30	NaN	NaN	676470.0
2017-05-31	NaN	NaN	594573.0
2017-08-31	NaN	NaN	783368.0
2017-11-30	20982.0	20982.0	1297303.0
2018-05-31	97181000.0	97181000.0	NaN

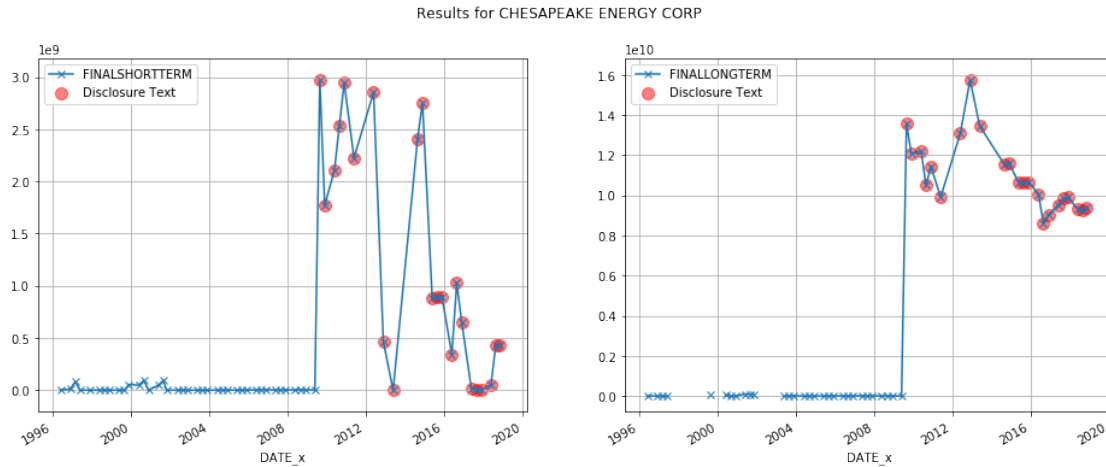
2018-08-31	45338000.0	45338000.0	NaN
2018-11-30	2309000.0	2309000.0	NaN

	LONGTERMDEBTNONCURRENT	NAME \
DATE		
2014-08-31	NaN	Heritage Insurance Holdings, Inc.
2014-11-30	NaN	Heritage Insurance Holdings, Inc.
2015-05-31	NaN	Heritage Insurance Holdings, Inc.
2015-08-31	NaN	Heritage Insurance Holdings, Inc.
2015-11-30	NaN	Heritage Insurance Holdings, Inc.
2016-05-31	NaN	Heritage Insurance Holdings, Inc.
2016-08-31	NaN	Heritage Insurance Holdings, Inc.
2016-11-30	NaN	Heritage Insurance Holdings, Inc.
2017-05-31	NaN	Heritage Insurance Holdings, Inc.
2017-08-31	NaN	Heritage Insurance Holdings, Inc.
2017-11-30	188634.0	Heritage Insurance Holdings, Inc.
2018-05-31	NaN	Heritage Insurance Holdings, Inc.
2018-08-31	NaN	Heritage Insurance Holdings, Inc.
2018-11-30	NaN	Heritage Insurance Holdings, Inc.

	SHORTTERMBORROWINGS	Quarter
DATE		
2014-08-31	NaN	20143
2014-11-30	NaN	20144
2015-05-31	NaN	20152
2015-08-31	NaN	20153
2015-11-30	NaN	20154
2016-05-31	NaN	20162
2016-08-31	NaN	20163
2016-11-30	NaN	20164
2017-05-31	NaN	20172
2017-08-31	NaN	20173
2017-11-30	NaN	20174
2018-05-31	97181000.0	20182
2018-08-31	45338000.0	20183
2018-11-30	2309000.0	20184

## 1.6 Company 6 Cheasapeake Energy Corporation CIK = 0000895126

```
In [192]: joined = getJoinedData(debt, disclosures, 895126, fixScaling=True,)
          makeCompanyDebtPlots(joined)
```



```
In [158]: viewFrame(joined)
```

```
Out[158]:
```

DATE	CIK	ACCOUNTSPAYABLEANDACCRUEDLIABILITIESCURRENT \
1996-05-31	895126	3.780000e+05
1996-11-30	895126	7.081500e+07
1997-02-28	895126	8.240000e+07
1997-05-31	895126	1.175840e+05
1997-11-30	895126	1.017760e+05
1998-05-31	895126	1.196790e+05
1998-08-31	895126	8.837000e+07
1998-11-30	895126	8.200600e+07
1999-05-31	895126	5.716900e+07
1999-08-31	895126	5.380400e+07
1999-11-30	895126	5.295900e+07
2000-05-31	895126	5.116300e+07
2000-08-31	895126	6.154000e+07
2000-11-30	895126	6.605300e+07
2001-05-31	895126	1.186200e+05
2001-08-31	895126	1.186200e+05
2001-10-31	895126	1.186200e+05
2002-05-31	895126	1.279670e+05
2002-08-31	895126	1.279670e+05
2002-11-30	895126	1.898810e+05
2003-05-31	895126	2.137630e+05
2003-08-31	895126	2.122440e+05
2003-11-30	895126	2.293860e+05
2004-05-31	895126	3.647430e+05
2004-08-31	895126	3.745910e+05
2004-11-30	895126	5.026870e+05
2005-05-31	895126	6.177550e+05

2005-08-31	895126	7.496720e+05
2005-11-30	895126	7.189680e+05
2006-05-31	895126	9.788100e+05
...	...	...
2007-05-31	895126	1.358000e+06
2007-08-31	895126	1.448000e+06
2007-11-30	895126	1.685000e+06
2008-05-31	895126	2.188000e+06
2008-08-31	895126	2.174000e+06
2008-11-30	895126	2.410000e+06
2009-05-31	895126	2.250000e+06
2009-08-31	895126	NaN
2009-11-30	895126	1.770000e+09
2010-05-31	895126	2.108000e+09
2010-08-31	895126	2.534000e+09
2010-11-30	895126	2.944000e+09
2011-05-31	895126	2.227000e+09
2012-05-31	895126	2.854000e+09
2012-11-30	895126	2.357000e+09
2013-05-31	895126	2.756000e+09
2014-08-31	895126	2.410000e+09
2014-11-30	895126	2.754000e+09
2015-05-31	895126	2.287000e+09
2015-08-31	895126	1.684000e+09
2015-11-30	895126	1.523000e+09
2016-05-31	895126	9.190000e+08
2016-08-31	895126	9.490000e+08
2016-11-30	895126	8.810000e+08
2017-05-31	895126	1.000000e+09
2017-08-31	895126	9.870000e+08
2017-11-30	895126	1.261000e+09
2018-05-31	895126	1.161000e+09
2018-08-31	895126	1.190000e+09
2018-10-31	895126	1.177000e+09

DATE	ACCOUNTSPAYABLECURRENT	ACCRUEDLIABILITIESCURRENT	DEBTCURRENT \
1996-05-31	6.249100e+07	8.048000e+06	3.267000e+06
1996-11-30	5.694600e+07	1.386900e+07	1.064200e+07
1997-02-28	7.225600e+07	1.014400e+07	NaN
1997-05-31	8.669100e+07	1.571600e+07	1.194950e+05
1997-11-30	8.173100e+07	1.853200e+07	0.000000e+00
1998-05-31	1.001350e+05	5.351900e+07	1.200000e+05
1998-08-31	5.855900e+07	4.990600e+07	4.741660e+05
1998-11-30	4.315000e+07	5.550500e+07	4.741660e+05
1999-05-31	2.648200e+07	4.637600e+07	0.000000e+00
1999-08-31	1.864900e+07	3.418900e+07	0.000000e+00
1999-11-30	1.263400e+07	4.402100e+07	5.400000e+07

2000-05-31	2.234600e+07	3.826000e+07	4.850000e+07
2000-08-31	2.376800e+07	4.310300e+07	9.350000e+07
2000-11-30	3.152000e+07	4.971300e+07	1.585000e+05
2001-05-31	6.294000e+07	NaN	4.850000e+07
2001-08-31	6.294000e+07	NaN	9.350000e+07
2001-10-31	6.294000e+07	NaN	1.585000e+05
2002-05-31	7.994500e+07	NaN	1.035000e+05
2002-08-31	7.994500e+07	NaN	6.020000e+05
2002-11-30	8.386000e+07	4.655800e+07	0.000000e+00
2003-05-31	9.738900e+07	5.049200e+07	1.390000e+05
2003-08-31	1.285790e+05	NaN	2.700000e+05
2003-11-30	1.401990e+05	NaN	4.130000e+05
2004-05-31	2.468920e+05	NaN	3.810000e+05
2004-08-31	2.445800e+05	NaN	6.110000e+05
2004-11-30	3.484210e+05	NaN	1.261000e+06
2005-05-31	4.469860e+05	NaN	5.010000e+05
2005-08-31	5.347230e+05	NaN	2.023000e+06
2005-11-30	4.952680e+05	NaN	3.620000e+06
2006-05-31	6.767390e+05	NaN	1.830000e+06
...	...	...	...
2007-05-31	8.950000e+05	4.630000e+05	8.580000e+05
2007-08-31	9.180000e+05	5.300000e+05	2.624000e+06
2007-11-30	9.790000e+05	7.060000e+05	4.177000e+06
2008-05-31	1.478000e+06	7.100000e+05	1.377000e+06
2008-08-31	1.389000e+06	7.850000e+05	6.195000e+06
2008-11-30	1.564000e+06	8.460000e+05	NaN
2009-05-31	1.424000e+06	8.260000e+05	NaN
2009-08-31	NaN	NaN	NaN
2009-11-30	9.320000e+08	8.380000e+08	NaN
2010-05-31	1.296000e+09	8.120000e+08	NaN
2010-08-31	1.564000e+09	9.700000e+08	NaN
2010-11-30	1.773000e+09	1.171000e+09	NaN
2011-05-31	2.227000e+09	NaN	NaN
2012-05-31	2.854000e+09	NaN	NaN
2012-11-30	2.357000e+09	NaN	4.630000e+08
2013-05-31	1.909000e+09	NaN	0.000000e+00
2014-08-31	1.930000e+09	NaN	NaN
2014-11-30	2.258000e+09	NaN	NaN
2015-05-31	1.630000e+09	NaN	8.850000e+08
2015-08-31	1.284000e+09	NaN	8.890000e+08
2015-11-30	1.070000e+09	NaN	8.930000e+08
2016-05-31	7.230000e+08	NaN	3.430000e+08
2016-08-31	7.020000e+08	NaN	1.028000e+09
2016-11-30	6.600000e+08	NaN	6.560000e+08
2017-05-31	6.780000e+08	NaN	1.500000e+07
2017-08-31	7.180000e+08	NaN	3.000000e+06
2017-11-30	6.780000e+08	3.130000e+08	0.000000e+00
2018-05-31	6.570000e+08	2.970000e+08	5.300000e+07

2018-08-31	7.420000e+08	2.610000e+08	4.330000e+08
2018-10-31	6.700000e+08	3.130000e+08	4.330000e+08

DATE	EXTRACTCODE	FINALLONGTERM	FINALSHORTTERM	LIABILITIESCURRENT \
1996-05-31	TEXT	1.840840e+05	3.267000e+06	1.171280e+05
1996-11-30	TEXT	2.773230e+05	1.064200e+07	1.096570e+05
1997-02-28	TEXT	2.201490e+05	8.240000e+07	1.270920e+05
1997-05-31	TEXT	3.200000e+04	1.194950e+05	1.413140e+05
1997-11-30	TEXT	NaN	0.000000e+00	1.239490e+05
1998-05-31	TEXT	NaN	1.200000e+05	1.796740e+05
1998-08-31	TEXT	NaN	4.741660e+05	1.300800e+05
1998-11-30	TEXT	NaN	4.741660e+05	1.193000e+05
1999-05-31	TEXT	NaN	0.000000e+00	1.141100e+05
1999-08-31	TEXT	3.900000e+07	0.000000e+00	7.532800e+07
1999-11-30	TEXT	NaN	5.400000e+07	8.857300e+07
2000-05-31	TEXT	4.123500e+07	4.850000e+07	8.614300e+07
2000-08-31	TEXT	9.832300e+05	9.350000e+07	1.014230e+05
2000-11-30	TEXT	9.710400e+05	1.585000e+05	1.120540e+05
2001-05-31	TEXT	9.232100e+07	4.850000e+07	1.627010e+05
2001-08-31	TEXT	9.232100e+07	9.350000e+07	1.627010e+05
2001-10-31	TEXT	9.232100e+07	1.585000e+05	1.627010e+05
2002-05-31	TEXT	NaN	1.035000e+05	1.733810e+05
2002-08-31	TEXT	NaN	6.020000e+05	1.733810e+05
2002-11-30	TEXT	NaN	0.000000e+00	2.463530e+05
2003-05-31	HTML	1.948725e+06	1.390000e+05	3.405340e+05
2003-08-31	HTML	1.968447e+06	2.700000e+05	4.158710e+05
2003-11-30	HTML	2.024336e+06	4.130000e+05	4.261770e+05
2004-05-31	HTML	2.012147e+06	3.810000e+05	7.425720e+05
2004-08-31	HTML	2.464078e+06	6.110000e+05	8.011020e+05
2004-11-30	HTML	2.762425e+06	1.261000e+06	9.730100e+05
2005-05-31	HTML	3.718679e+06	5.010000e+05	1.165841e+06
2005-08-31	HTML	4.125929e+06	2.023000e+06	1.165844e+06
2005-11-30	HTML	4.250160e+06	3.620000e+06	2.042478e+06
2006-05-31	HTML	6.320915e+06	1.830000e+06	1.591931e+06
...	...	...	...	...
2007-05-31	HTML	8.371000e+06	8.580000e+05	2.180000e+06
2007-08-31	HTML	9.417000e+06	2.624000e+06	2.213000e+06
2007-11-30	HTML	1.087200e+07	4.177000e+06	2.390000e+06
2008-05-31	HTML	1.740000e+06	1.377000e+06	4.220000e+06
2008-08-31	HTML	3.781000e+06	6.195000e+06	7.297000e+06
2008-11-30	HTML	2.275000e+06	2.410000e+06	3.601000e+06
2009-05-31	HTML	1.460000e+06	2.250000e+06	2.580000e+05
2009-08-31	XBRL	1.356800e+10	2.974000e+09	2.974000e+09
2009-11-30	XBRL	1.207300e+10	1.770000e+09	2.514000e+09
2010-05-31	XBRL	1.220400e+10	2.108000e+09	3.123000e+09
2010-08-31	XBRL	1.050100e+10	2.534000e+09	3.655000e+09
2010-11-30	XBRL	1.144500e+10	2.944000e+09	4.123000e+09



2011-05-31	XBRL	9.915000e+09	2.227000e+09	4.669000e+09
2012-05-31	XBRL	1.308200e+10	2.854000e+09	6.664000e+09
2012-11-30	XBRL	1.575500e+10	4.630000e+08	6.456000e+09
2013-05-31	XBRL	1.344900e+10	0.000000e+00	5.785000e+09
2014-08-31	XBRL	1.154900e+10	2.410000e+09	5.792000e+09
2014-11-30	XBRL	1.159200e+10	2.754000e+09	5.602000e+09
2015-05-31	XBRL	1.062300e+10	8.850000e+08	5.366000e+09
2015-08-31	XBRL	1.065500e+10	8.890000e+08	5.128000e+09
2015-11-30	XBRL	1.067400e+10	8.930000e+08	4.557000e+09
2016-05-31	XBRL	1.006200e+10	3.430000e+08	2.833000e+09
2016-08-31	XBRL	8.621000e+09	1.028000e+09	3.777000e+09
2016-11-30	XBRL	9.022000e+09	6.560000e+08	3.606000e+09
2017-05-31	XBRL	9.509000e+09	1.500000e+07	2.788000e+09
2017-08-31	XBRL	9.850000e+09	3.000000e+06	2.158000e+09
2017-11-30	XBRL	9.899000e+09	0.000000e+00	2.218000e+09
2018-05-31	XBRL	9.325000e+09	5.300000e+07	2.354000e+09
2018-08-31	XBRL	9.238000e+09	4.330000e+08	2.873000e+09
2018-10-31	XBRL	9.380000e+09	4.330000e+08	2.976000e+09

DATE	LIABILITIESNONCURRENT	LIABILITIESOTHERTHANLONGTERMDEBTNONCURRENT \
1996-05-31	NaN	NaN
1996-11-30	NaN	NaN
1997-02-28	NaN	NaN
1997-05-31	NaN	NaN
1997-11-30	NaN	NaN
1998-05-31	NaN	NaN
1998-08-31	NaN	NaN
1998-11-30	NaN	NaN
1999-05-31	NaN	NaN
1999-08-31	NaN	NaN
1999-11-30	NaN	NaN
2000-05-31	NaN	NaN
2000-08-31	NaN	NaN
2000-11-30	NaN	NaN
2001-05-31	NaN	NaN
2001-08-31	NaN	NaN
2001-10-31	NaN	NaN
2002-05-31	NaN	NaN
2002-08-31	NaN	NaN
2002-11-30	NaN	NaN
2003-05-31	NaN	NaN
2003-08-31	NaN	NaN
2003-11-30	NaN	NaN
2004-05-31	2.484711e+06	NaN
2004-08-31	3.100438e+06	NaN
2004-11-30	3.629966e+06	NaN
2005-05-31	5.009369e+06	NaN

2005-08-31	5.640396e+06	NaN
2005-11-30	6.116831e+06	NaN
2006-05-31	9.097606e+06	NaN
...	...	...
2007-05-31	1.247500e+07	NaN
2007-08-31	1.385700e+07	NaN
2007-11-30	1.549500e+07	NaN
2008-05-31	1.777200e+07	19000.0
2008-08-31	2.045000e+07	23000.0
2008-11-30	2.001000e+07	23000.0
2009-05-31	1.448100e+07	19000.0
2009-08-31	1.549300e+10	NaN
2009-11-30	1.437600e+10	NaN
2010-05-31	1.494900e+10	NaN
2010-08-31	1.369900e+10	NaN
2010-11-30	1.493700e+10	NaN
2011-05-31	1.513600e+10	NaN
2012-05-31	2.003100e+10	NaN
2012-11-30	2.152400e+10	NaN
2013-05-31	1.868200e+10	NaN
2014-08-31	1.701000e+10	NaN
2014-11-30	1.728500e+10	NaN
2015-05-31	1.463400e+10	NaN
2015-08-31	1.322700e+10	NaN
2015-11-30	1.218300e+10	NaN
2016-05-31	1.095300e+10	NaN
2016-08-31	9.481000e+09	NaN
2016-11-30	9.849000e+09	NaN
2017-05-31	1.011400e+10	NaN
2017-08-31	1.044600e+10	NaN
2017-11-30	1.046700e+10	NaN
2018-05-31	9.829000e+09	NaN
2018-08-31	9.585000e+09	NaN
2018-10-31	9.722000e+09	NaN

# LONGTERMDEBTANDCAPITALLEASEOBLIGATIONSCURRENT \

DATE	
1996-05-31	3.267000e+06
1996-11-30	1.064200e+07
1997-02-28	NaN
1997-05-31	1.194950e+05
1997-11-30	0.000000e+00
1998-05-31	1.200000e+05
1998-08-31	4.741660e+05
1998-11-30	4.741660e+05
1999-05-31	0.000000e+00
1999-08-31	0.000000e+00
1999-11-30	5.400000e+07

2000-05-31	4.850000e+07
2000-08-31	9.350000e+07
2000-11-30	1.585000e+05
2001-05-31	4.850000e+07
2001-08-31	9.350000e+07
2001-10-31	1.585000e+05
2002-05-31	1.035000e+05
2002-08-31	6.020000e+05
2002-11-30	0.000000e+00
2003-05-31	1.390000e+05
2003-08-31	2.700000e+05
2003-11-30	4.130000e+05
2004-05-31	3.810000e+05
2004-08-31	6.110000e+05
2004-11-30	1.261000e+06
2005-05-31	5.010000e+05
2005-08-31	2.023000e+06
2005-11-30	3.620000e+06
2006-05-31	1.830000e+06
...	...
2007-05-31	8.580000e+05
2007-08-31	2.624000e+06
2007-11-30	4.177000e+06
2008-05-31	1.377000e+06
2008-08-31	6.195000e+06
2008-11-30	NaN
2009-05-31	NaN
2009-08-31	NaN
2009-11-30	NaN
2010-05-31	NaN
2010-08-31	NaN
2010-11-30	NaN
2011-05-31	NaN
2012-05-31	NaN
2012-11-30	4.630000e+08
2013-05-31	0.000000e+00
2014-08-31	NaN
2014-11-30	NaN
2015-05-31	8.850000e+08
2015-08-31	8.890000e+08
2015-11-30	8.930000e+08
2016-05-31	3.430000e+08
2016-08-31	1.028000e+09
2016-11-30	6.560000e+08
2017-05-31	1.500000e+07
2017-08-31	3.000000e+06
2017-11-30	0.000000e+00
2018-05-31	5.200000e+07

2018-08-31	4.320000e+08
2018-10-31	4.320000e+08

DATE	LONGTERMDEBTCURRENT	LONGTERMDEBTNONCURRENT \
1996-05-31	3.267000e+06	1.840840e+05
1996-11-30	1.064200e+07	2.773230e+05
1997-02-28	NaN	2.201490e+05
1997-05-31	1.194950e+05	3.200000e+04
1997-11-30	0.000000e+00	0.000000e+00
1998-05-31	1.200000e+05	0.000000e+00
1998-08-31	4.741660e+05	0.000000e+00
1998-11-30	4.741660e+05	0.000000e+00
1999-05-31	0.000000e+00	0.000000e+00
1999-08-31	0.000000e+00	3.900000e+07
1999-11-30	5.400000e+07	0.000000e+00
2000-05-31	4.850000e+07	4.123500e+07
2000-08-31	9.350000e+07	9.832300e+05
2000-11-30	1.585000e+05	9.710400e+05
2001-05-31	4.850000e+07	9.232100e+07
2001-08-31	9.350000e+07	9.232100e+07
2001-10-31	1.585000e+05	9.232100e+07
2002-05-31	1.035000e+05	0.000000e+00
2002-08-31	6.020000e+05	0.000000e+00
2002-11-30	0.000000e+00	0.000000e+00
2003-05-31	1.390000e+05	1.948725e+06
2003-08-31	2.700000e+05	1.968447e+06
2003-11-30	4.130000e+05	2.024336e+06
2004-05-31	3.810000e+05	2.012147e+06
2004-08-31	6.110000e+05	2.464078e+06
2004-11-30	1.261000e+06	2.762425e+06
2005-05-31	5.010000e+05	3.718679e+06
2005-08-31	2.023000e+06	4.125929e+06
2005-11-30	3.620000e+06	4.250160e+06
2006-05-31	1.830000e+06	6.320915e+06
...	...	...
2007-05-31	8.580000e+05	8.371000e+06
2007-08-31	2.624000e+06	9.417000e+06
2007-11-30	4.177000e+06	1.087200e+07
2008-05-31	1.377000e+06	1.740000e+06
2008-08-31	6.195000e+06	3.781000e+06
2008-11-30	NaN	2.275000e+06
2009-05-31	NaN	1.460000e+06
2009-08-31	NaN	1.356800e+10
2009-11-30	NaN	1.207300e+10
2010-05-31	NaN	1.220400e+10
2010-08-31	NaN	1.050100e+10
2010-11-30	NaN	1.144500e+10

2011-05-31	NaN	9.915000e+09
2012-05-31	NaN	1.308200e+10
2012-11-30	4.630000e+08	1.575500e+10
2013-05-31	0.000000e+00	1.344900e+10
2014-08-31	NaN	1.154900e+10
2014-11-30	NaN	1.159200e+10
2015-05-31	8.850000e+08	1.062300e+10
2015-08-31	8.890000e+08	1.065500e+10
2015-11-30	8.930000e+08	1.067400e+10
2016-05-31	3.430000e+08	1.006200e+10
2016-08-31	1.028000e+09	8.621000e+09
2016-11-30	6.560000e+08	9.022000e+09
2017-05-31	1.500000e+07	9.509000e+09
2017-08-31	3.000000e+06	9.850000e+09
2017-11-30	0.000000e+00	9.899000e+09
2018-05-31	5.200000e+07	9.325000e+09
2018-08-31	4.320000e+08	9.238000e+09
2018-10-31	4.320000e+08	9.380000e+09

DATE	NAME	NOTESANDLOANSPAYABLECURRENT \
1996-05-31	CHESAPEAKE ENERGY CORP	NaN
1996-11-30	CHESAPEAKE ENERGY CORP	NaN
1997-02-28	CHESAPEAKE ENERGY CORP	NaN
1997-05-31	CHESAPEAKE ENERGY CORP	NaN
1997-11-30	CHESAPEAKE ENERGY CORP	NaN
1998-05-31	CHESAPEAKE ENERGY CORP	NaN
1998-08-31	CHESAPEAKE ENERGY CORP	NaN
1998-11-30	CHESAPEAKE ENERGY CORP	NaN
1999-05-31	CHESAPEAKE ENERGY CORP	25000000.0
1999-08-31	CHESAPEAKE ENERGY CORP	0.0
1999-11-30	CHESAPEAKE ENERGY CORP	681000.0
2000-05-31	CHESAPEAKE ENERGY CORP	NaN
2000-08-31	CHESAPEAKE ENERGY CORP	NaN
2000-11-30	CHESAPEAKE ENERGY CORP	NaN
2001-05-31	CHESAPEAKE ENERGY CORP	NaN
2001-08-31	CHESAPEAKE ENERGY CORP	NaN
2001-10-31	CHESAPEAKE ENERGY CORP	NaN
2002-05-31	CHESAPEAKE ENERGY CORP	NaN
2002-08-31	CHESAPEAKE ENERGY CORP	NaN
2002-11-30	CHESAPEAKE ENERGY CORP	NaN
2003-05-31	CHESAPEAKE ENERGY CORP	NaN
2003-08-31	CHESAPEAKE ENERGY CORP	NaN
2003-11-30	CHESAPEAKE ENERGY CORP	NaN
2004-05-31	CHESAPEAKE ENERGY CORP	NaN
2004-08-31	CHESAPEAKE ENERGY CORP	NaN
2004-11-30	CHESAPEAKE ENERGY CORP	NaN
2005-05-31	CHESAPEAKE ENERGY CORP	NaN

2005-08-31	CHESAPEAKE ENERGY CORP	NaN
2005-11-30	CHESAPEAKE ENERGY CORP	NaN
2006-05-31	CHESAPEAKE ENERGY CORP	NaN
...	...	...
2007-05-31	CHESAPEAKE ENERGY CORP	NaN
2007-08-31	CHESAPEAKE ENERGY CORP	NaN
2007-11-30	CHESAPEAKE ENERGY CORP	NaN
2008-05-31	CHESAPEAKE ENERGY CORP	NaN
2008-08-31	CHESAPEAKE ENERGY CORP	NaN
2008-11-30	CHESAPEAKE ENERGY CORP	NaN
2009-05-31	CHESAPEAKE ENERGY CORP	NaN
2009-08-31	CHESAPEAKE ENERGY CORP	NaN
2009-11-30	CHESAPEAKE ENERGY CORP	NaN
2010-05-31	CHESAPEAKE ENERGY CORP	NaN
2010-08-31	CHESAPEAKE ENERGY CORP	NaN
2010-11-30	CHESAPEAKE ENERGY CORP	NaN
2011-05-31	CHESAPEAKE ENERGY CORP	NaN
2012-05-31	CHESAPEAKE ENERGY CORP	NaN
2012-11-30	CHESAPEAKE ENERGY CORP	NaN
2013-05-31	CHESAPEAKE ENERGY CORP	NaN
2014-08-31	CHESAPEAKE ENERGY CORP	NaN
2014-11-30	CHESAPEAKE ENERGY CORP	NaN
2015-05-31	CHESAPEAKE ENERGY CORP	NaN
2015-08-31	CHESAPEAKE ENERGY CORP	NaN
2015-11-30	CHESAPEAKE ENERGY CORP	NaN
2016-05-31	CHESAPEAKE ENERGY CORP	NaN
2016-08-31	CHESAPEAKE ENERGY CORP	NaN
2016-11-30	CHESAPEAKE ENERGY CORP	NaN
2017-05-31	CHESAPEAKE ENERGY CORP	NaN
2017-08-31	CHESAPEAKE ENERGY CORP	NaN
2017-11-30	CHESAPEAKE ENERGY CORP	NaN
2018-05-31	CHESAPEAKE ENERGY CORP	NaN
2018-08-31	CHESAPEAKE ENERGY CORP	NaN
2018-10-31	CHESAPEAKE ENERGY CORP	NaN

DATE	NOTES PAYABLE CURRENT	OTHER ACCRUED LIABILITIES CURRENT \
1996-05-31	NaN	378000.0
1996-11-30	NaN	NaN
1997-02-28	NaN	NaN
1997-05-31	NaN	NaN
1997-11-30	NaN	NaN
1998-05-31	NaN	NaN
1998-08-31	NaN	NaN
1998-11-30	NaN	NaN
1999-05-31	25000000.0	NaN
1999-08-31	0.0	NaN
1999-11-30	681000.0	NaN

2000-05-31	NaN	NaN
2000-08-31	NaN	NaN
2000-11-30	NaN	NaN
2001-05-31	NaN	21637000.0
2001-08-31	NaN	21637000.0
2001-10-31	NaN	21637000.0
2002-05-31	NaN	36998000.0
2002-08-31	NaN	36998000.0
2002-11-30	NaN	59463000.0
2003-05-31	NaN	65882000.0
2003-08-31	NaN	83665000.0
2003-11-30	NaN	89187000.0
2004-05-31	NaN	117851.0
2004-08-31	NaN	130011.0
2004-11-30	NaN	154266.0
2005-05-31	NaN	170769.0
2005-08-31	NaN	214949.0
2005-11-30	NaN	223700.0
2006-05-31	NaN	302071.0
...	...	...
2007-05-31	NaN	NaN
2007-08-31	NaN	NaN
2007-11-30	NaN	NaN
2008-05-31	NaN	NaN
2008-08-31	NaN	NaN
2008-11-30	NaN	NaN
2009-05-31	NaN	NaN
2009-08-31	NaN	NaN
2009-11-30	NaN	NaN
2010-05-31	NaN	NaN
2010-08-31	NaN	NaN
2010-11-30	NaN	NaN
2011-05-31	NaN	NaN
2012-05-31	NaN	NaN
2012-11-30	NaN	NaN
2013-05-31	NaN	847000000.0
2014-08-31	NaN	480000000.0
2014-11-30	NaN	496000000.0
2015-05-31	NaN	657000000.0
2015-08-31	NaN	400000000.0
2015-11-30	NaN	453000000.0
2016-05-31	NaN	196000000.0
2016-08-31	NaN	247000000.0
2016-11-30	NaN	221000000.0
2017-05-31	NaN	322000000.0
2017-08-31	NaN	269000000.0
2017-11-30	NaN	270000000.0
2018-05-31	NaN	207000000.0

2018-08-31	NaN	187000000.0
2018-10-31	NaN	194000000.0

DATE	OTHERLIABILITIESCURRENT	OTHERLONGTERMDEBTNONCURRENT \
1996-05-31	NaN	NaN
1996-11-30	NaN	NaN
1997-02-28	NaN	NaN
1997-05-31	NaN	NaN
1997-11-30	NaN	NaN
1998-05-31	NaN	NaN
1998-08-31	NaN	NaN
1998-11-30	NaN	NaN
1999-05-31	NaN	NaN
1999-08-31	NaN	NaN
1999-11-30	NaN	NaN
2000-05-31	NaN	NaN
2000-08-31	NaN	NaN
2000-11-30	NaN	NaN
2001-05-31	NaN	NaN
2001-08-31	NaN	NaN
2001-10-31	NaN	NaN
2002-05-31	NaN	NaN
2002-08-31	NaN	NaN
2002-11-30	NaN	NaN
2003-05-31	NaN	NaN
2003-08-31	NaN	NaN
2003-11-30	NaN	NaN
2004-05-31	NaN	NaN
2004-08-31	NaN	NaN
2004-11-30	NaN	NaN
2005-05-31	NaN	NaN
2005-08-31	NaN	NaN
2005-11-30	NaN	NaN
2006-05-31	NaN	NaN
...	...	...
2007-05-31	NaN	NaN
2007-08-31	NaN	NaN
2007-11-30	NaN	NaN
2008-05-31	NaN	NaN
2008-08-31	NaN	NaN
2008-11-30	NaN	NaN
2009-05-31	NaN	NaN
2009-08-31	NaN	NaN
2009-11-30	NaN	NaN
2010-05-31	NaN	NaN
2010-08-31	3.655000e+09	NaN
2010-11-30	4.123000e+09	NaN



2011-05-31	2.103000e+09	NaN
2012-05-31	3.420000e+09	236000000.0
2012-11-30	3.097000e+09	NaN
2013-05-31	3.288000e+09	NaN
2014-08-31	3.293000e+09	NaN
2014-11-30	3.135000e+09	NaN
2015-05-31	2.474000e+09	NaN
2015-08-31	2.649000e+09	NaN
2015-11-30	2.374000e+09	NaN
2016-05-31	1.544000e+09	NaN
2016-08-31	1.632000e+09	NaN
2016-11-30	1.993000e+09	NaN
2017-05-31	1.798000e+09	NaN
2017-08-31	1.297000e+09	NaN
2017-11-30	1.397000e+09	NaN
2018-05-31	1.357000e+09	NaN
2018-08-31	1.277000e+09	NaN
2018-10-31	1.438000e+09	NaN

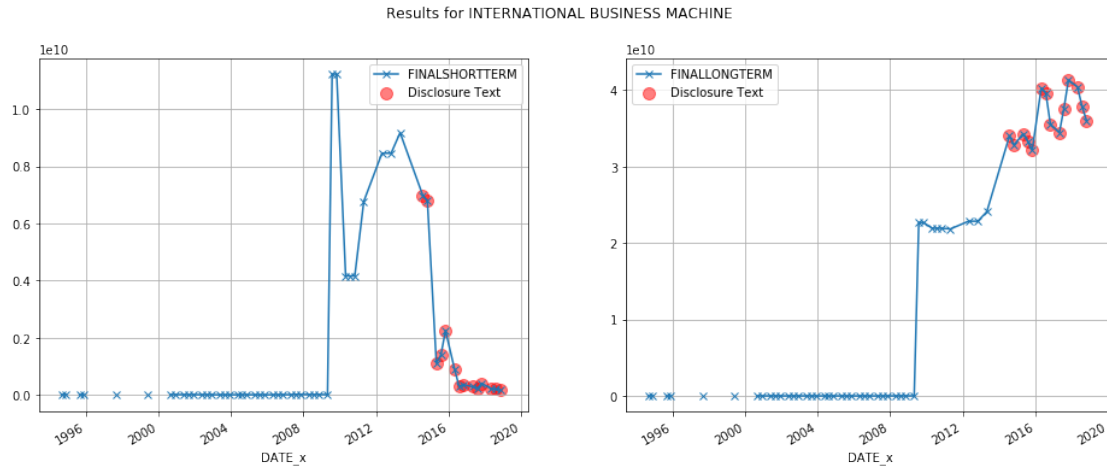
DATE	TEXT
1996-05-31	NaN
1996-11-30	NaN
1997-02-28	NaN
1997-05-31	NaN
1997-11-30	NaN
1998-05-31	NaN
1998-08-31	NaN
1998-11-30	NaN
1999-05-31	NaN
1999-08-31	NaN
1999-11-30	NaN
2000-05-31	NaN
2000-08-31	NaN
2000-11-30	NaN
2001-05-31	NaN
2001-08-31	NaN
2001-10-31	NaN
2002-05-31	NaN
2002-08-31	NaN
2002-11-30	NaN
2003-05-31	NaN
2003-08-31	NaN
2003-11-30	NaN
2004-05-31	NaN
2004-08-31	NaN
2004-11-30	NaN
2005-05-31	NaN

2005-08-31	NaN
2005-11-30	NaN
2006-05-31	NaN
...	...
2007-05-31	NaN
2007-08-31	NaN
2007-11-30	NaN
2008-05-31	NaN
2008-08-31	NaN
2008-11-30	NaN
2009-05-31	NaN
2009-08-31	6.\nSenior Notes and Revolving Bank Credit\nF...
2009-11-30	6.\nSenior Notes and\nRevolving Bank Credit F...
2010-05-31	6. Debt Our total\ndebt consisted of the foll...
2010-08-31	6. Debt Our total\ndebt consisted of the foll...
2010-11-30	6. Debt Our total\ndebt consisted of the foll...
2011-05-31	6. Debt Our long-term debt consisted of the f...
2012-05-31	3. Debt Our long-term debt consisted of the f...
2012-11-30	DebtOur long-term debt consisted of the follow...
2013-05-31	DebtOur long-term debt consisted of the follow...
2014-08-31	DebtOur long-term debt consisted of the follow...
2014-11-30	DebtOur long-term debt consisted of the follow...
2015-05-31	DebtOur long-term debt consisted of the follow...
2015-08-31	DebtOur long-term debt consisted of the follow...
2015-11-30	DebtOur long-term debt consisted of the follow...
2016-05-31	DebtOur long-term debt consisted of the follow...
2016-08-31	DebtOur long-term debt consisted of the follow...
2016-11-30	DebtOur long-term debt consisted of the follow...
2017-05-31	DebtOur long-term debt consisted of the follow...
2017-08-31	DebtOur long-term debt consisted of the follow...
2017-11-30	DebtOur long-term debt consisted of the follow...
2018-05-31	DebtOur long-term debt consisted of the follow...
2018-08-31	DebtOur long-term debt consisted of the follow...
2018-10-31	DebtOur long-term debt consisted of the follow...

[62 rows x 21 columns]

## 1.7 Company 7 International Business Machines Corporation CIK = 0000051143

```
In [173]: joined = getJoinedData(debt, disclosures, 51143, fixScaling=True)
          makeCompanyDebtPlots(joined)
```



```
In [193]: viewFrame(joined)
```

```
Out[193]:
```

DATE	CIK	ACCOUNTSPAYABLEANDACCRUEDLIABILITIESCURRENT \
1996-05-31	895126	3.780000e+05
1996-11-30	895126	7.081500e+07
1997-02-28	895126	8.240000e+07
1997-05-31	895126	1.175840e+05
1997-11-30	895126	1.017760e+05
1998-05-31	895126	1.196790e+05
1998-08-31	895126	8.837000e+07
1998-11-30	895126	8.200600e+07
1999-05-31	895126	5.716900e+07
1999-08-31	895126	5.380400e+07
1999-11-30	895126	5.295900e+07
2000-05-31	895126	5.116300e+07
2000-08-31	895126	6.154000e+07
2000-11-30	895126	6.605300e+07
2001-05-31	895126	1.186200e+05
2001-08-31	895126	1.186200e+05
2001-10-31	895126	1.186200e+05
2002-05-31	895126	1.279670e+05
2002-08-31	895126	1.279670e+05
2002-11-30	895126	1.898810e+05
2003-05-31	895126	2.137630e+05
2003-08-31	895126	2.122440e+05
2003-11-30	895126	2.293860e+05
2004-05-31	895126	3.647430e+05
2004-08-31	895126	3.745910e+05
2004-11-30	895126	5.026870e+05
2005-05-31	895126	6.177550e+05

2005-08-31	895126	7.496720e+05
2005-11-30	895126	7.189680e+05
2006-05-31	895126	9.788100e+05
...	...	...
2007-05-31	895126	1.358000e+06
2007-08-31	895126	1.448000e+06
2007-11-30	895126	1.685000e+06
2008-05-31	895126	2.188000e+06
2008-08-31	895126	2.174000e+06
2008-11-30	895126	2.410000e+06
2009-05-31	895126	2.250000e+06
2009-08-31	895126	NaN
2009-11-30	895126	1.770000e+09
2010-05-31	895126	2.108000e+09
2010-08-31	895126	2.534000e+09
2010-11-30	895126	2.944000e+09
2011-05-31	895126	2.227000e+09
2012-05-31	895126	2.854000e+09
2012-11-30	895126	2.357000e+09
2013-05-31	895126	2.756000e+09
2014-08-31	895126	2.410000e+09
2014-11-30	895126	2.754000e+09
2015-05-31	895126	2.287000e+09
2015-08-31	895126	1.684000e+09
2015-11-30	895126	1.523000e+09
2016-05-31	895126	9.190000e+08
2016-08-31	895126	9.490000e+08
2016-11-30	895126	8.810000e+08
2017-05-31	895126	1.000000e+09
2017-08-31	895126	9.870000e+08
2017-11-30	895126	1.261000e+09
2018-05-31	895126	1.161000e+09
2018-08-31	895126	1.190000e+09
2018-10-31	895126	1.177000e+09

DATE	ACCOUNTSPAYABLECURRENT	ACCRUEDLIABILITIESCURRENT	DEBTCURRENT \
1996-05-31	6.249100e+07	8.048000e+06	3.267000e+06
1996-11-30	5.694600e+07	1.386900e+07	1.064200e+07
1997-02-28	7.225600e+07	1.014400e+07	NaN
1997-05-31	8.669100e+07	1.571600e+07	1.194950e+05
1997-11-30	8.173100e+07	1.853200e+07	0.000000e+00
1998-05-31	1.001350e+05	5.351900e+07	1.200000e+05
1998-08-31	5.855900e+07	4.990600e+07	4.741660e+05
1998-11-30	4.315000e+07	5.550500e+07	4.741660e+05
1999-05-31	2.648200e+07	4.637600e+07	0.000000e+00
1999-08-31	1.864900e+07	3.418900e+07	0.000000e+00
1999-11-30	1.263400e+07	4.402100e+07	5.400000e+07

2000-05-31	2.234600e+07	3.826000e+07	4.850000e+07
2000-08-31	2.376800e+07	4.310300e+07	9.350000e+07
2000-11-30	3.152000e+07	4.971300e+07	1.585000e+05
2001-05-31	6.294000e+07	NaN	4.850000e+07
2001-08-31	6.294000e+07	NaN	9.350000e+07
2001-10-31	6.294000e+07	NaN	1.585000e+05
2002-05-31	7.994500e+07	NaN	1.035000e+05
2002-08-31	7.994500e+07	NaN	6.020000e+05
2002-11-30	8.386000e+07	4.655800e+07	0.000000e+00
2003-05-31	9.738900e+07	5.049200e+07	1.390000e+05
2003-08-31	1.285790e+05	NaN	2.700000e+05
2003-11-30	1.401990e+05	NaN	4.130000e+05
2004-05-31	2.468920e+05	NaN	3.810000e+05
2004-08-31	2.445800e+05	NaN	6.110000e+05
2004-11-30	3.484210e+05	NaN	1.261000e+06
2005-05-31	4.469860e+05	NaN	5.010000e+05
2005-08-31	5.347230e+05	NaN	2.023000e+06
2005-11-30	4.952680e+05	NaN	3.620000e+06
2006-05-31	6.767390e+05	NaN	1.830000e+06
...	...	...	...
2007-05-31	8.950000e+05	4.630000e+05	8.580000e+05
2007-08-31	9.180000e+05	5.300000e+05	2.624000e+06
2007-11-30	9.790000e+05	7.060000e+05	4.177000e+06
2008-05-31	1.478000e+06	7.100000e+05	1.377000e+06
2008-08-31	1.389000e+06	7.850000e+05	6.195000e+06
2008-11-30	1.564000e+06	8.460000e+05	NaN
2009-05-31	1.424000e+06	8.260000e+05	NaN
2009-08-31	NaN	NaN	NaN
2009-11-30	9.320000e+08	8.380000e+08	NaN
2010-05-31	1.296000e+09	8.120000e+08	NaN
2010-08-31	1.564000e+09	9.700000e+08	NaN
2010-11-30	1.773000e+09	1.171000e+09	NaN
2011-05-31	2.227000e+09	NaN	NaN
2012-05-31	2.854000e+09	NaN	NaN
2012-11-30	2.357000e+09	NaN	4.630000e+08
2013-05-31	1.909000e+09	NaN	0.000000e+00
2014-08-31	1.930000e+09	NaN	NaN
2014-11-30	2.258000e+09	NaN	NaN
2015-05-31	1.630000e+09	NaN	8.850000e+08
2015-08-31	1.284000e+09	NaN	8.890000e+08
2015-11-30	1.070000e+09	NaN	8.930000e+08
2016-05-31	7.230000e+08	NaN	3.430000e+08
2016-08-31	7.020000e+08	NaN	1.028000e+09
2016-11-30	6.600000e+08	NaN	6.560000e+08
2017-05-31	6.780000e+08	NaN	1.500000e+07
2017-08-31	7.180000e+08	NaN	3.000000e+06
2017-11-30	6.780000e+08	3.130000e+08	0.000000e+00
2018-05-31	6.570000e+08	2.970000e+08	5.300000e+07

2018-08-31	7.420000e+08	2.610000e+08	4.330000e+08
2018-10-31	6.700000e+08	3.130000e+08	4.330000e+08

DATE	EXTRACTCODE	FINALLONGTERM	FINALSHORTTERM	LIABILITIESCURRENT \
1996-05-31	TEXT	1.840840e+05	3.267000e+06	1.171280e+05
1996-11-30	TEXT	2.773230e+05	1.064200e+07	1.096570e+05
1997-02-28	TEXT	2.201490e+05	8.240000e+07	1.270920e+05
1997-05-31	TEXT	3.200000e+04	1.194950e+05	1.413140e+05
1997-11-30	TEXT	NaN	0.000000e+00	1.239490e+05
1998-05-31	TEXT	NaN	1.200000e+05	1.796740e+05
1998-08-31	TEXT	NaN	4.741660e+05	1.300800e+05
1998-11-30	TEXT	NaN	4.741660e+05	1.193000e+05
1999-05-31	TEXT	NaN	0.000000e+00	1.141100e+05
1999-08-31	TEXT	3.900000e+07	0.000000e+00	7.532800e+07
1999-11-30	TEXT	NaN	5.400000e+07	8.857300e+07
2000-05-31	TEXT	4.123500e+07	4.850000e+07	8.614300e+07
2000-08-31	TEXT	9.832300e+05	9.350000e+07	1.014230e+05
2000-11-30	TEXT	9.710400e+05	1.585000e+05	1.120540e+05
2001-05-31	TEXT	9.232100e+07	4.850000e+07	1.627010e+05
2001-08-31	TEXT	9.232100e+07	9.350000e+07	1.627010e+05
2001-10-31	TEXT	9.232100e+07	1.585000e+05	1.627010e+05
2002-05-31	TEXT	NaN	1.035000e+05	1.733810e+05
2002-08-31	TEXT	NaN	6.020000e+05	1.733810e+05
2002-11-30	TEXT	NaN	0.000000e+00	2.463530e+05
2003-05-31	HTML	1.948725e+06	1.390000e+05	3.405340e+05
2003-08-31	HTML	1.968447e+06	2.700000e+05	4.158710e+05
2003-11-30	HTML	2.024336e+06	4.130000e+05	4.261770e+05
2004-05-31	HTML	2.012147e+06	3.810000e+05	7.425720e+05
2004-08-31	HTML	2.464078e+06	6.110000e+05	8.011020e+05
2004-11-30	HTML	2.762425e+06	1.261000e+06	9.730100e+05
2005-05-31	HTML	3.718679e+06	5.010000e+05	1.165841e+06
2005-08-31	HTML	4.125929e+06	2.023000e+06	1.165844e+06
2005-11-30	HTML	4.250160e+06	3.620000e+06	2.042478e+06
2006-05-31	HTML	6.320915e+06	1.830000e+06	1.591931e+06
...	...	...	...	...
2007-05-31	HTML	8.371000e+06	8.580000e+05	2.180000e+06
2007-08-31	HTML	9.417000e+06	2.624000e+06	2.213000e+06
2007-11-30	HTML	1.087200e+07	4.177000e+06	2.390000e+06
2008-05-31	HTML	1.740000e+06	1.377000e+06	4.220000e+06
2008-08-31	HTML	3.781000e+06	6.195000e+06	7.297000e+06
2008-11-30	HTML	2.275000e+06	2.410000e+06	3.601000e+06
2009-05-31	HTML	1.460000e+06	2.250000e+06	2.580000e+05
2009-08-31	XBRL	1.356800e+10	2.974000e+09	2.974000e+09
2009-11-30	XBRL	1.207300e+10	1.770000e+09	2.514000e+09
2010-05-31	XBRL	1.220400e+10	2.108000e+09	3.123000e+09
2010-08-31	XBRL	1.050100e+10	2.534000e+09	3.655000e+09
2010-11-30	XBRL	1.144500e+10	2.944000e+09	4.123000e+09

2011-05-31	XBRL	9.915000e+09	2.227000e+09	4.669000e+09
2012-05-31	XBRL	1.308200e+10	2.854000e+09	6.664000e+09
2012-11-30	XBRL	1.575500e+10	4.630000e+08	6.456000e+09
2013-05-31	XBRL	1.344900e+10	0.000000e+00	5.785000e+09
2014-08-31	XBRL	1.154900e+10	2.410000e+09	5.792000e+09
2014-11-30	XBRL	1.159200e+10	2.754000e+09	5.602000e+09
2015-05-31	XBRL	1.062300e+10	8.850000e+08	5.366000e+09
2015-08-31	XBRL	1.065500e+10	8.890000e+08	5.128000e+09
2015-11-30	XBRL	1.067400e+10	8.930000e+08	4.557000e+09
2016-05-31	XBRL	1.006200e+10	3.430000e+08	2.833000e+09
2016-08-31	XBRL	8.621000e+09	1.028000e+09	3.777000e+09
2016-11-30	XBRL	9.022000e+09	6.560000e+08	3.606000e+09
2017-05-31	XBRL	9.509000e+09	1.500000e+07	2.788000e+09
2017-08-31	XBRL	9.850000e+09	3.000000e+06	2.158000e+09
2017-11-30	XBRL	9.899000e+09	0.000000e+00	2.218000e+09
2018-05-31	XBRL	9.325000e+09	5.300000e+07	2.354000e+09
2018-08-31	XBRL	9.238000e+09	4.330000e+08	2.873000e+09
2018-10-31	XBRL	9.380000e+09	4.330000e+08	2.976000e+09

DATE	LIABILITIESNONCURRENT	LIABILITIESOTHERTHANLONGTERMDEBTNONCURRENT \
1996-05-31	NaN	NaN
1996-11-30	NaN	NaN
1997-02-28	NaN	NaN
1997-05-31	NaN	NaN
1997-11-30	NaN	NaN
1998-05-31	NaN	NaN
1998-08-31	NaN	NaN
1998-11-30	NaN	NaN
1999-05-31	NaN	NaN
1999-08-31	NaN	NaN
1999-11-30	NaN	NaN
2000-05-31	NaN	NaN
2000-08-31	NaN	NaN
2000-11-30	NaN	NaN
2001-05-31	NaN	NaN
2001-08-31	NaN	NaN
2001-10-31	NaN	NaN
2002-05-31	NaN	NaN
2002-08-31	NaN	NaN
2002-11-30	NaN	NaN
2003-05-31	NaN	NaN
2003-08-31	NaN	NaN
2003-11-30	NaN	NaN
2004-05-31	2.484711e+06	NaN
2004-08-31	3.100438e+06	NaN
2004-11-30	3.629966e+06	NaN
2005-05-31	5.009369e+06	NaN

2005-08-31	5.640396e+06	NaN
2005-11-30	6.116831e+06	NaN
2006-05-31	9.097606e+06	NaN
...	...	...
2007-05-31	1.247500e+07	NaN
2007-08-31	1.385700e+07	NaN
2007-11-30	1.549500e+07	NaN
2008-05-31	1.777200e+07	19000.0
2008-08-31	2.045000e+07	23000.0
2008-11-30	2.001000e+07	23000.0
2009-05-31	1.448100e+07	19000.0
2009-08-31	1.549300e+10	NaN
2009-11-30	1.437600e+10	NaN
2010-05-31	1.494900e+10	NaN
2010-08-31	1.369900e+10	NaN
2010-11-30	1.493700e+10	NaN
2011-05-31	1.513600e+10	NaN
2012-05-31	2.003100e+10	NaN
2012-11-30	2.152400e+10	NaN
2013-05-31	1.868200e+10	NaN
2014-08-31	1.701000e+10	NaN
2014-11-30	1.728500e+10	NaN
2015-05-31	1.463400e+10	NaN
2015-08-31	1.322700e+10	NaN
2015-11-30	1.218300e+10	NaN
2016-05-31	1.095300e+10	NaN
2016-08-31	9.481000e+09	NaN
2016-11-30	9.849000e+09	NaN
2017-05-31	1.011400e+10	NaN
2017-08-31	1.044600e+10	NaN
2017-11-30	1.046700e+10	NaN
2018-05-31	9.829000e+09	NaN
2018-08-31	9.585000e+09	NaN
2018-10-31	9.722000e+09	NaN

# LONGTERMDEBTANDCAPITALLEASEOBLIGATIONSCURRENT \

DATE	
1996-05-31	3.267000e+06
1996-11-30	1.064200e+07
1997-02-28	NaN
1997-05-31	1.194950e+05
1997-11-30	0.000000e+00
1998-05-31	1.200000e+05
1998-08-31	4.741660e+05
1998-11-30	4.741660e+05
1999-05-31	0.000000e+00
1999-08-31	0.000000e+00
1999-11-30	5.400000e+07



2000-05-31	4.850000e+07
2000-08-31	9.350000e+07
2000-11-30	1.585000e+05
2001-05-31	4.850000e+07
2001-08-31	9.350000e+07
2001-10-31	1.585000e+05
2002-05-31	1.035000e+05
2002-08-31	6.020000e+05
2002-11-30	0.000000e+00
2003-05-31	1.390000e+05
2003-08-31	2.700000e+05
2003-11-30	4.130000e+05
2004-05-31	3.810000e+05
2004-08-31	6.110000e+05
2004-11-30	1.261000e+06
2005-05-31	5.010000e+05
2005-08-31	2.023000e+06
2005-11-30	3.620000e+06
2006-05-31	1.830000e+06
...	...
2007-05-31	8.580000e+05
2007-08-31	2.624000e+06
2007-11-30	4.177000e+06
2008-05-31	1.377000e+06
2008-08-31	6.195000e+06
2008-11-30	NaN
2009-05-31	NaN
2009-08-31	NaN
2009-11-30	NaN
2010-05-31	NaN
2010-08-31	NaN
2010-11-30	NaN
2011-05-31	NaN
2012-05-31	NaN
2012-11-30	4.630000e+08
2013-05-31	0.000000e+00
2014-08-31	NaN
2014-11-30	NaN
2015-05-31	8.850000e+08
2015-08-31	8.890000e+08
2015-11-30	8.930000e+08
2016-05-31	3.430000e+08
2016-08-31	1.028000e+09
2016-11-30	6.560000e+08
2017-05-31	1.500000e+07
2017-08-31	3.000000e+06
2017-11-30	0.000000e+00
2018-05-31	5.200000e+07

2018-08-31	4.320000e+08
2018-10-31	4.320000e+08

DATE	LONGTERMDEBTCURRENT	LONGTERMDEBTNONCURRENT \
1996-05-31	3.267000e+06	1.840840e+05
1996-11-30	1.064200e+07	2.773230e+05
1997-02-28	NaN	2.201490e+05
1997-05-31	1.194950e+05	3.200000e+04
1997-11-30	0.000000e+00	0.000000e+00
1998-05-31	1.200000e+05	0.000000e+00
1998-08-31	4.741660e+05	0.000000e+00
1998-11-30	4.741660e+05	0.000000e+00
1999-05-31	0.000000e+00	0.000000e+00
1999-08-31	0.000000e+00	3.900000e+07
1999-11-30	5.400000e+07	0.000000e+00
2000-05-31	4.850000e+07	4.123500e+07
2000-08-31	9.350000e+07	9.832300e+05
2000-11-30	1.585000e+05	9.710400e+05
2001-05-31	4.850000e+07	9.232100e+07
2001-08-31	9.350000e+07	9.232100e+07
2001-10-31	1.585000e+05	9.232100e+07
2002-05-31	1.035000e+05	0.000000e+00
2002-08-31	6.020000e+05	0.000000e+00
2002-11-30	0.000000e+00	0.000000e+00
2003-05-31	1.390000e+05	1.948725e+06
2003-08-31	2.700000e+05	1.968447e+06
2003-11-30	4.130000e+05	2.024336e+06
2004-05-31	3.810000e+05	2.012147e+06
2004-08-31	6.110000e+05	2.464078e+06
2004-11-30	1.261000e+06	2.762425e+06
2005-05-31	5.010000e+05	3.718679e+06
2005-08-31	2.023000e+06	4.125929e+06
2005-11-30	3.620000e+06	4.250160e+06
2006-05-31	1.830000e+06	6.320915e+06
...	...	...
2007-05-31	8.580000e+05	8.371000e+06
2007-08-31	2.624000e+06	9.417000e+06
2007-11-30	4.177000e+06	1.087200e+07
2008-05-31	1.377000e+06	1.740000e+06
2008-08-31	6.195000e+06	3.781000e+06
2008-11-30	NaN	2.275000e+06
2009-05-31	NaN	1.460000e+06
2009-08-31	NaN	1.356800e+10
2009-11-30	NaN	1.207300e+10
2010-05-31	NaN	1.220400e+10
2010-08-31	NaN	1.050100e+10
2010-11-30	NaN	1.144500e+10

2011-05-31	NaN	9.915000e+09
2012-05-31	NaN	1.308200e+10
2012-11-30	4.630000e+08	1.575500e+10
2013-05-31	0.000000e+00	1.344900e+10
2014-08-31	NaN	1.154900e+10
2014-11-30	NaN	1.159200e+10
2015-05-31	8.850000e+08	1.062300e+10
2015-08-31	8.890000e+08	1.065500e+10
2015-11-30	8.930000e+08	1.067400e+10
2016-05-31	3.430000e+08	1.006200e+10
2016-08-31	1.028000e+09	8.621000e+09
2016-11-30	6.560000e+08	9.022000e+09
2017-05-31	1.500000e+07	9.509000e+09
2017-08-31	3.000000e+06	9.850000e+09
2017-11-30	0.000000e+00	9.899000e+09
2018-05-31	5.200000e+07	9.325000e+09
2018-08-31	4.320000e+08	9.238000e+09
2018-10-31	4.320000e+08	9.380000e+09

DATE	NAME	NOTESANDLOANSPAYABLECURRENT \
1996-05-31	CHESAPEAKE ENERGY CORP	NaN
1996-11-30	CHESAPEAKE ENERGY CORP	NaN
1997-02-28	CHESAPEAKE ENERGY CORP	NaN
1997-05-31	CHESAPEAKE ENERGY CORP	NaN
1997-11-30	CHESAPEAKE ENERGY CORP	NaN
1998-05-31	CHESAPEAKE ENERGY CORP	NaN
1998-08-31	CHESAPEAKE ENERGY CORP	NaN
1998-11-30	CHESAPEAKE ENERGY CORP	NaN
1999-05-31	CHESAPEAKE ENERGY CORP	25000000.0
1999-08-31	CHESAPEAKE ENERGY CORP	0.0
1999-11-30	CHESAPEAKE ENERGY CORP	681000.0
2000-05-31	CHESAPEAKE ENERGY CORP	NaN
2000-08-31	CHESAPEAKE ENERGY CORP	NaN
2000-11-30	CHESAPEAKE ENERGY CORP	NaN
2001-05-31	CHESAPEAKE ENERGY CORP	NaN
2001-08-31	CHESAPEAKE ENERGY CORP	NaN
2001-10-31	CHESAPEAKE ENERGY CORP	NaN
2002-05-31	CHESAPEAKE ENERGY CORP	NaN
2002-08-31	CHESAPEAKE ENERGY CORP	NaN
2002-11-30	CHESAPEAKE ENERGY CORP	NaN
2003-05-31	CHESAPEAKE ENERGY CORP	NaN
2003-08-31	CHESAPEAKE ENERGY CORP	NaN
2003-11-30	CHESAPEAKE ENERGY CORP	NaN
2004-05-31	CHESAPEAKE ENERGY CORP	NaN
2004-08-31	CHESAPEAKE ENERGY CORP	NaN
2004-11-30	CHESAPEAKE ENERGY CORP	NaN
2005-05-31	CHESAPEAKE ENERGY CORP	NaN

2005-08-31	CHESAPEAKE ENERGY CORP	NaN
2005-11-30	CHESAPEAKE ENERGY CORP	NaN
2006-05-31	CHESAPEAKE ENERGY CORP	NaN
...	...	...
2007-05-31	CHESAPEAKE ENERGY CORP	NaN
2007-08-31	CHESAPEAKE ENERGY CORP	NaN
2007-11-30	CHESAPEAKE ENERGY CORP	NaN
2008-05-31	CHESAPEAKE ENERGY CORP	NaN
2008-08-31	CHESAPEAKE ENERGY CORP	NaN
2008-11-30	CHESAPEAKE ENERGY CORP	NaN
2009-05-31	CHESAPEAKE ENERGY CORP	NaN
2009-08-31	CHESAPEAKE ENERGY CORP	NaN
2009-11-30	CHESAPEAKE ENERGY CORP	NaN
2010-05-31	CHESAPEAKE ENERGY CORP	NaN
2010-08-31	CHESAPEAKE ENERGY CORP	NaN
2010-11-30	CHESAPEAKE ENERGY CORP	NaN
2011-05-31	CHESAPEAKE ENERGY CORP	NaN
2012-05-31	CHESAPEAKE ENERGY CORP	NaN
2012-11-30	CHESAPEAKE ENERGY CORP	NaN
2013-05-31	CHESAPEAKE ENERGY CORP	NaN
2014-08-31	CHESAPEAKE ENERGY CORP	NaN
2014-11-30	CHESAPEAKE ENERGY CORP	NaN
2015-05-31	CHESAPEAKE ENERGY CORP	NaN
2015-08-31	CHESAPEAKE ENERGY CORP	NaN
2015-11-30	CHESAPEAKE ENERGY CORP	NaN
2016-05-31	CHESAPEAKE ENERGY CORP	NaN
2016-08-31	CHESAPEAKE ENERGY CORP	NaN
2016-11-30	CHESAPEAKE ENERGY CORP	NaN
2017-05-31	CHESAPEAKE ENERGY CORP	NaN
2017-08-31	CHESAPEAKE ENERGY CORP	NaN
2017-11-30	CHESAPEAKE ENERGY CORP	NaN
2018-05-31	CHESAPEAKE ENERGY CORP	NaN
2018-08-31	CHESAPEAKE ENERGY CORP	NaN
2018-10-31	CHESAPEAKE ENERGY CORP	NaN

DATE	NOTES PAYABLE CURRENT	OTHER ACCRUED LIABILITIES CURRENT \
1996-05-31	NaN	378000.0
1996-11-30	NaN	NaN
1997-02-28	NaN	NaN
1997-05-31	NaN	NaN
1997-11-30	NaN	NaN
1998-05-31	NaN	NaN
1998-08-31	NaN	NaN
1998-11-30	NaN	NaN
1999-05-31	25000000.0	NaN
1999-08-31	0.0	NaN
1999-11-30	681000.0	NaN

2000-05-31	NaN	NaN
2000-08-31	NaN	NaN
2000-11-30	NaN	NaN
2001-05-31	NaN	21637000.0
2001-08-31	NaN	21637000.0
2001-10-31	NaN	21637000.0
2002-05-31	NaN	36998000.0
2002-08-31	NaN	36998000.0
2002-11-30	NaN	59463000.0
2003-05-31	NaN	65882000.0
2003-08-31	NaN	83665000.0
2003-11-30	NaN	89187000.0
2004-05-31	NaN	117851.0
2004-08-31	NaN	130011.0
2004-11-30	NaN	154266.0
2005-05-31	NaN	170769.0
2005-08-31	NaN	214949.0
2005-11-30	NaN	223700.0
2006-05-31	NaN	302071.0
...	...	...
2007-05-31	NaN	NaN
2007-08-31	NaN	NaN
2007-11-30	NaN	NaN
2008-05-31	NaN	NaN
2008-08-31	NaN	NaN
2008-11-30	NaN	NaN
2009-05-31	NaN	NaN
2009-08-31	NaN	NaN
2009-11-30	NaN	NaN
2010-05-31	NaN	NaN
2010-08-31	NaN	NaN
2010-11-30	NaN	NaN
2011-05-31	NaN	NaN
2012-05-31	NaN	NaN
2012-11-30	NaN	NaN
2013-05-31	NaN	847000000.0
2014-08-31	NaN	480000000.0
2014-11-30	NaN	496000000.0
2015-05-31	NaN	657000000.0
2015-08-31	NaN	400000000.0
2015-11-30	NaN	453000000.0
2016-05-31	NaN	196000000.0
2016-08-31	NaN	247000000.0
2016-11-30	NaN	221000000.0
2017-05-31	NaN	322000000.0
2017-08-31	NaN	269000000.0
2017-11-30	NaN	270000000.0
2018-05-31	NaN	207000000.0

2018-08-31	NaN	187000000.0
2018-10-31	NaN	194000000.0

DATE	OTHERLIABILITIESCURRENT	OTHERLONGTERMDEBTNONCURRENT \
1996-05-31	NaN	NaN
1996-11-30	NaN	NaN
1997-02-28	NaN	NaN
1997-05-31	NaN	NaN
1997-11-30	NaN	NaN
1998-05-31	NaN	NaN
1998-08-31	NaN	NaN
1998-11-30	NaN	NaN
1999-05-31	NaN	NaN
1999-08-31	NaN	NaN
1999-11-30	NaN	NaN
2000-05-31	NaN	NaN
2000-08-31	NaN	NaN
2000-11-30	NaN	NaN
2001-05-31	NaN	NaN
2001-08-31	NaN	NaN
2001-10-31	NaN	NaN
2002-05-31	NaN	NaN
2002-08-31	NaN	NaN
2002-11-30	NaN	NaN
2003-05-31	NaN	NaN
2003-08-31	NaN	NaN
2003-11-30	NaN	NaN
2004-05-31	NaN	NaN
2004-08-31	NaN	NaN
2004-11-30	NaN	NaN
2005-05-31	NaN	NaN
2005-08-31	NaN	NaN
2005-11-30	NaN	NaN
2006-05-31	NaN	NaN
...	...	...
2007-05-31	NaN	NaN
2007-08-31	NaN	NaN
2007-11-30	NaN	NaN
2008-05-31	NaN	NaN
2008-08-31	NaN	NaN
2008-11-30	NaN	NaN
2009-05-31	NaN	NaN
2009-08-31	NaN	NaN
2009-11-30	NaN	NaN
2010-05-31	NaN	NaN
2010-08-31	3.655000e+09	NaN
2010-11-30	4.123000e+09	NaN

2011-05-31	2.103000e+09	NaN
2012-05-31	3.420000e+09	236000000.0
2012-11-30	3.097000e+09	NaN
2013-05-31	3.288000e+09	NaN
2014-08-31	3.293000e+09	NaN
2014-11-30	3.135000e+09	NaN
2015-05-31	2.474000e+09	NaN
2015-08-31	2.649000e+09	NaN
2015-11-30	2.374000e+09	NaN
2016-05-31	1.544000e+09	NaN
2016-08-31	1.632000e+09	NaN
2016-11-30	1.993000e+09	NaN
2017-05-31	1.798000e+09	NaN
2017-08-31	1.297000e+09	NaN
2017-11-30	1.397000e+09	NaN
2018-05-31	1.357000e+09	NaN
2018-08-31	1.277000e+09	NaN
2018-10-31	1.438000e+09	NaN

DATE	TEXT
1996-05-31	NaN
1996-11-30	NaN
1997-02-28	NaN
1997-05-31	NaN
1997-11-30	NaN
1998-05-31	NaN
1998-08-31	NaN
1998-11-30	NaN
1999-05-31	NaN
1999-08-31	NaN
1999-11-30	NaN
2000-05-31	NaN
2000-08-31	NaN
2000-11-30	NaN
2001-05-31	NaN
2001-08-31	NaN
2001-10-31	NaN
2002-05-31	NaN
2002-08-31	NaN
2002-11-30	NaN
2003-05-31	NaN
2003-08-31	NaN
2003-11-30	NaN
2004-05-31	NaN
2004-08-31	NaN
2004-11-30	NaN
2005-05-31	NaN

2005-08-31	NaN
2005-11-30	NaN
2006-05-31	NaN
...	...
2007-05-31	NaN
2007-08-31	NaN
2007-11-30	NaN
2008-05-31	NaN
2008-08-31	NaN
2008-11-30	NaN
2009-05-31	NaN
2009-08-31	6.\nSenior Notes and Revolving Bank Credit\nF...
2009-11-30	6.\nSenior Notes and\nRevolving Bank Credit F...
2010-05-31	6. Debt Our total\ndebt consisted of the foll...
2010-08-31	6. Debt Our total\ndebt consisted of the foll...
2010-11-30	6. Debt Our total\ndebt consisted of the foll...
2011-05-31	6. Debt Our long-term debt consisted of the f...
2012-05-31	3. Debt Our long-term debt consisted of the f...
2012-11-30	DebtOur long-term debt consisted of the follow...
2013-05-31	DebtOur long-term debt consisted of the follow...
2014-08-31	DebtOur long-term debt consisted of the follow...
2014-11-30	DebtOur long-term debt consisted of the follow...
2015-05-31	DebtOur long-term debt consisted of the follow...
2015-08-31	DebtOur long-term debt consisted of the follow...
2015-11-30	DebtOur long-term debt consisted of the follow...
2016-05-31	DebtOur long-term debt consisted of the follow...
2016-08-31	DebtOur long-term debt consisted of the follow...
2016-11-30	DebtOur long-term debt consisted of the follow...
2017-05-31	DebtOur long-term debt consisted of the follow...
2017-08-31	DebtOur long-term debt consisted of the follow...
2017-11-30	DebtOur long-term debt consisted of the follow...
2018-05-31	DebtOur long-term debt consisted of the follow...
2018-08-31	DebtOur long-term debt consisted of the follow...
2018-10-31	DebtOur long-term debt consisted of the follow...

[62 rows x 21 columns]

In [194]: viewDisclosure(joined)

2009-08-31

6.

Senior Notes and Revolving Bank Credit

Facilities Our total debt consisted of

the following: June 30,

2009 December 31,

2008 (Adjusted) (\$ in millions) 7.5% Senior Notes due 2013 \$

364 \$

364 7.625% Senior Notes due 2013 500 500 7.0% Senior Notes due 2014 300 300 7.5% Senior Notes du





follows: Contingent Convertible Senior Notes Repurchase  
 Dates Common Stock Price Conversion Thresholds Contingent Interest First  
 Payable (if  
 applicable) 2.75% due 2035 November 15, 2015, 2020, 2025, 2030 \$  
 48.81 May 14, 2016 2.5% due 2037 May 15, 2017, 2022, 2027, 2032 \$  
 64.36 November 14, 2017 2.25% due 2038 December 15, 2018, 2023, 2028, 2033 \$  
 107.36 June 14, 2019 (c)  
 Discount at December 31, 2008 is adjusted for the  
 retrospective application of FSP APB 14-1, Accounting for  
 Convertible Debt Instruments That May Be Settled in Cash upon  
 Conversion. Discount at June 30, 2009 and  
 December 31, 2008 included \$936 million and \$1.009 billion,  
 respectively, associated with the equity component of our  
 contingent convertible senior notes. (d)  
 See Note 2 for discussion related to these  
 instruments. No scheduled principal  
 payments are required under our senior notes until 2013 when \$864  
 million is due. Our outstanding senior notes  
 are unsecured senior obligations of Chesapeake that rank equally in  
 right of payment with all of our existing and future senior  
 indebtedness and rank senior in right of payment to all of our  
 future subordinated indebtedness. We may redeem the senior notes,  
 other than the contingent convertible senior notes, at any time at  
 specified make-whole or redemption prices. Senior notes issued  
 before July 2005 are governed by indentures containing covenants  
 that limit our ability and our restricted subsidiaries  
 ability to incur additional indebtedness; pay dividends on our  
 capital stock or redeem, repurchase or retire our capital stock or  
 subordinated indebtedness; make investments and other restricted  
 payments; incur liens; enter into sale/leaseback transactions;  
 create restrictions on the payment of dividends or other amounts to  
 us from our restricted subsidiaries; engage in transactions with  
 affiliates; sell assets; and consolidate, merge or transfer assets.  
 Senior notes issued after June 2005 are governed by indentures  
 containing covenants that limit our ability and our  
 subsidiaries ability to incur certain secured indebtedness;  
 enter into sale/leaseback transactions; and consolidate, merge or  
 transfer assets. Chesapeake Energy Corporation  
 is a holding company and owns no operating assets and has no  
 significant operations independent of its subsidiaries. As of  
 September 30, 2008, our obligations under our outstanding  
 senior notes and contingent convertible notes were fully and  
 unconditionally guaranteed, jointly and severally, by all of our  
 wholly-owned restricted subsidiaries, other than minor  
 subsidiaries, on a senior unsecured basis. In October 2008, we  
 restructured our non-Appalachian midstream operations. As a result,  
 beginning in the fourth quarter of 2008, our wholly-owned midstream  
 subsidiaries having significant assets and operations do not

guarantee our outstanding senior notes. On January 1, 2009, we adopted and applied retrospectively FASB Staff Position No. APB 14-1, Accounting for Convertible Debt Instruments That May Be Settled in Cash upon Conversion (Including Partial Cash Settlement) (FSP APB 14-1). We have three debt issuances affected by this change: our 2.75% Contingent Convertible Senior Notes due 2035, our 2.5% Contingent Convertible Senior Notes due 2037 and our 2.25% Contingent Convertible Senior Notes due 2038. FSP APB 14-1 requires us to account for the liability and equity components of our convertible debt instruments separately and to reflect interest expense at the interest rate of similar nonconvertible debt at the time of issuance (6.86%, 8.0% and 8.0%, respectively). Additionally, debt issuance costs are required to be allocated in proportion to the liability and equity components and accounted for as debt issuance costs and equity issuance costs, respectively. The allocation to the equity component of the convertible notes was \$845 million (net of tax) at December 31, 2008. The accretion of the resulting discount on the debt is recognized as a part of interest expense, thereby increasing the amount of interest expense required to be recognized with respect to such instruments. Given the increase in our overall effective interest rate after adoption of FSP APB 14-1, we also capitalized additional interest which largely offset the increase in interest expense. The following table summarizes the effect of the change in accounting principle related to our contingent convertible notes on the condensed consolidated balance sheet: December 31, 2008

Previously Reported	Adjustment	Adjusted (\$ in millions)
Unevaluated properties	\$ 11,216	\$ 163
Other long-term assets	\$ 11,379	\$ 1,007
Long-term debt, net	\$ 993	\$ 14,184
Deferred income tax liability	\$ 13,175	\$ 3,763
Paid-in-capital	\$ 4,200	\$ 10,835
Retained earnings	\$ 11,680	\$ 4,694

The following table summarizes the effect of the change in accounting principle related to our contingent convertible notes on the condensed consolidated

statement of operations (\$ in millions, except per share data): Previously

Reported Adjustment Adjusted Three Months Ended

June 30, 2008: Depreciation and amortization of other assets \$

40 \$

\$

40 Interest expense \$

63 \$

(9

) \$

54 Income tax expense (benefit) \$

(1,000

) \$

4 \$

(996

) Net income (loss) \$

(1,597

) \$

5 \$

(1,592

) Weighted average common and common

equivalent shares outstanding assuming dilution (in

millions) 521 521 Earnings (loss) per common

share: Basic \$

(3.17

) \$

0.01 \$

(3.16

) Diluted \$

(3.17

) \$

0.01 \$

(3.16

) Previously

Reported Adjustment Adjusted Six Months Ended

June 30, 2008: Depreciation and amortization of other assets \$

77 \$

(1

) \$

76 Interest expense \$ 163 \$

(10

) \$ 153 Income tax expense (benefit) \$

(1,082

) \$ 4 \$

(1,078

) Net income (loss) \$

(1,729  
 ) \$  
 7 \$  
 (1,722  
 ) Weighted average common and common  
 equivalent shares outstanding assuming dilution (in  
 millions) 507 507 Earnings (loss) per common  
 share: Basic \$  
 (3.54  
 ) \$  
 0.02 \$  
 (3.52  
 ) Diluted \$  
 (3.54  
 ) \$  
 0.02 \$  
 (3.52  
 ) The following table summarizes the effect of the change in  
 accounting principle related to our contingent convertible notes on  
 the condensed consolidated statement of cash flows for the six  
 months ended June 30, 2008 (\$ in millions): Previously  
 Reported Adjustment Adjusted Six Months Ended  
 June 30, 2008: Cash flows provided by operating  
 activities \$  
 2,754 \$  
 44 \$  
 2,798 Cash flows used in investing  
 activities \$  
 (6,329  
 ) \$  
 (44  
 ) \$  
 (6,373  
 ) Cash flows provided by financing  
 activities \$  
 3,574 \$  
 \$  
 3,574 We have a \$3.5 billion  
 syndicated revolving bank credit facility which matures in November  
 2012. As of June 30, 2009, we had \$2.834 billion in  
 outstanding borrowings under this facility and utilized  
 approximately \$10 million of the facility for various letters of  
 credit. Borrowings under the facility  
 are secured by certain producing natural gas and oil properties and  
 bear interest at our option at either (i) the greater of the  
 reference rate of Union Bank, N.A. or the federal funds effective  
 rate plus 0.50%, both of which are subject to a margin that varies  
 from 0.00% to 0.75% per annum according to our senior

unsecured long-term debt ratings, or (ii) the London Interbank Offered Rate (LIBOR), plus a margin that varies from 1.50% to 2.25% per annum according to our senior unsecured long-term debt ratings. The collateral value and borrowing base are determined periodically. The unused portion of the facility is subject to a commitment fee of 0.50%. Interest is payable quarterly or, if LIBOR applies, it may be payable at more frequent intervals. The credit facility agreement contains various covenants and restrictive provisions which limit our ability to incur additional indebtedness, make investments or loans and create liens. The credit facility agreement requires us to maintain an indebtedness to total capitalization ratio (as defined) not to exceed 0.70 to 1 and an indebtedness to EBITDA ratio (as defined) not to exceed 3.75 to 1. As defined by the credit facility agreement, our indebtedness to total capitalization ratio was 0.43 to 1 and our indebtedness to EBITDA ratio was 3.47 to 1 at June 30, 2009. If we should fail to perform our obligations under these and other covenants, the revolving credit commitment could be terminated and any outstanding borrowings under the facility could be declared immediately due and payable. Such acceleration, if involving a principal amount of \$10 million (\$50 million in the case of our senior notes issued after 2004), would constitute an event of default under our senior note indentures, which could in turn result in the acceleration of a significant portion of our senior note indebtedness. The credit facility agreement also has cross default provisions that apply to other indebtedness of Chesapeake and its restricted subsidiaries with an outstanding principal amount in excess of \$75 million. Two of our subsidiaries, Chesapeake Exploration, L.L.C. and Chesapeake Appalachia, L.L.C., are the borrowers under our revolving bank credit facility. The facility is fully and unconditionally guaranteed, on a joint and several basis, by Chesapeake and all of our other wholly-owned restricted subsidiaries. We also have a \$460 million syndicated revolving bank credit facility for our midstream operations, organized under an unrestricted subsidiary, Chesapeake Midstream Partners, L.P. (CMP) and its operating subsidiary, Chesapeake Midstream Operating, L.L.C. (CMO). CMO is the borrower under the facility, which matures in October 2013 and may be expanded up to \$750 million at CMO's option, subject to additional bank participation. CMO is utilizing the facility to fund capital expenditures associated with building additional natural gas gathering and other systems associated with our drilling program and for general corporate purposes related to our midstream operations. As of June 30, 2009, we had \$297 million in outstanding borrowings under the midstream credit facility. Borrowings under the midstream credit facility are secured by all of the assets of the midstream companies organized under CMP and bear interest at our

option at either (i) the greater of the reference rate of Wells Fargo Bank, National Association, the federal funds effective rate plus 0.50%, and the one-month LIBOR plus 1.50%, all of which would be subject to a margin that varies from 0.75% to 1.50% per annum according to the most recent indebtedness to EBITDA ratio (as defined) or (ii) the LIBOR plus a margin that varies from 1.75% to 2.50% per annum according to the most recent indebtedness to EBITDA ratio (as defined). The unused portion of the facility is subject to a commitment fee that varies from 0.30% to 0.45% per annum according the most recent indebtedness to EBITDA ratio (as defined). Interest is payable quarterly or, if LIBOR applies, it may be paid at more frequent intervals. The midstream credit facility agreement contains various covenants and restrictive provisions which limit the ability of CMP and its subsidiaries to incur additional indebtedness, make investments or loans and create liens. The credit facility agreement requires maintenance of an indebtedness to EBITDA ratio (as defined) not to exceed 3.50 to 1, and an EBITDA (as defined) to interest expense coverage ratio of not less than 2.50 to 1. As defined by the credit facility agreement, our indebtedness to EBITDA ratio was 1.35 to 1 and our EBITDA to interest expense coverage ratio was 12.84 to 1 at June 30, 2009. If CMP or its subsidiaries should fail to perform their obligations under these and other covenants, the revolving credit commitment could be terminated and any outstanding borrowings under the midstream facility could be declared immediately due and payable. The midstream credit facility agreement also has cross default provisions that apply to other indebtedness CMP and its subsidiaries may have with an outstanding principal amount in excess of \$15 million. Our revolving bank credit facility and the midstream credit facility do not contain material adverse change or adequate assurance covenants. Although the applicable interest rates in our revolving bank credit facility fluctuate slightly based on our long-term senior unsecured credit ratings, neither of our credit facilities contains provisions which would trigger an acceleration of amounts due under the facilities or a requirement to post additional collateral in the event of a downgrade of our credit ratings.

2009-11-30

6.

Senior Notes and

Revolving Bank Credit Facilities Our total debt

consisted of the following at September 30, 2009 and

December 31, 2008: September 30,

2009 December 31, 2008 (Adjusted) (\$ in

millions) 7.5% Senior Notes due

2013 \$

364 \$  
 364 7.625% Senior Notes due  
 2013 500 500 7.0% Senior Notes due  
 2014 300 300 7.5% Senior Notes due  
 2014 300 300 6.375% Senior Notes due  
 2015 600 600 9.5% Senior Notes due  
 2015 1,425 6.625% Senior Notes due  
 2016 600 600 6.875% Senior Notes due  
 2016 670 670 6.25% Euro-denominated  
 Senior Notes due 2017(a) 878 835 6.5% Senior Notes due  
 2017 1,100 1,100 6.25% Senior Notes due  
 2018 600 600 7.25% Senior Notes due  
 2018 800 800 6.875% Senior Notes due  
 2020 500 500 2.75% Contingent  
 Convertible Senior Notes due 2035(b) 451 451 2.5% Contingent Convertible  
 Senior Notes due 2037(b) 1,378 1,378 2.25% Contingent  
 Convertible Senior Notes due 2038(b) 888 1,126 General corporate revolving  
 bank credit facility 1,618 3,474 CMD revolving bank credit  
 facility 460 CMP revolving bank credit  
 facility 12 Discount on senior  
 notes(c) (991  
 ) (1,094  
 ) Interest rate  
 derivatives(d) 80 211 Total notes payable and  
 long-term debt \$  
 12,073 \$ 13,175 (a)  
 The principal amount shown  
 is based on the dollar/euro exchange rate of \$1.4630 to 1.00  
 and \$1.3919 to 1.00 as of September 30, 2009 and  
 December 31, 2008, respectively. See Note 2 for  
 information on our related cross currency swap. (b)  
 The holders of our  
 contingent convertible senior notes may require us to repurchase,  
 in cash, all or a portion of their notes at 100% of the principal  
 amount of the notes on any of four dates that are five, ten,  
 fifteen and twenty years before the maturity date. The notes are  
 convertible, at the holders option, prior to maturity under  
 certain circumstances into cash and, if applicable, shares of our  
 common stock using a net share settlement process. One such  
 triggering circumstance is when the price of our common stock  
 exceeds a threshold amount during a specified period in a fiscal  
 quarter. Convertibility based on common stock price is measured  
 quarter by quarter. In the third quarter of 2009, the price of our  
 common stock was below the threshold level for each series of the  
 contingent convertible senior notes during the specified period  
 and, as a result, the holders do not have the option to convert  
 their notes into cash and common stock in the fourth quarter of  
 2009 under this provision. The notes are also convertible, at the



holders option, during specified five-day periods if the trading price of the notes is below certain levels determined by reference to the trading price of our common stock. In general, upon conversion of a contingent convertible senior note, the holder will receive cash equal to the principal amount of the note and common stock for the notes conversion value in excess of such principal amount. We will pay contingent interest on the convertible senior notes after they have been outstanding at least ten years, under certain conditions. We may redeem the convertible senior notes once they have been outstanding for ten years at a redemption price of 100% of the principal amount of the notes, payable in cash. The optional repurchase dates, the common stock price conversion threshold amounts and the ending date of the first six-month period contingent interest may be payable for the contingent convertible senior notes are as follows: Contingent Convertible Senior Notes Repurchase Dates Common Stock

Price Conversion Thresholds	Contingent Interest	First Payable (if applicable)
2.75%	due 2035	November 15, 2015, 2020, 2025, 2030
\$ 48.81	May 14, 2016	2.5% due 2037
May 14, 2016	2.5%	due 2037
May 15, 2017, 2022, 2027, 2032		
\$ 64.36	November 14, 2017	2.25% due 2038
December 15, 2018, 2023, 2028, 2033		
\$ 107.36	June 14, 2019	(c)

Discount at

December 31, 2008 is adjusted for the retrospective application of the provisions of ASC 470-20, Debt with Conversion and Other Options. Discount at September 30, 2009 and December 31, 2008 included \$859 million and \$1.009 billion, respectively, associated with the equity component of our contingent convertible senior notes. (d)

See Note 2 for discussion

related to these instruments. Senior

Notes Our senior

notes are unsecured senior obligations of Chesapeake and rank equally in right of payment with all of our existing and future senior indebtedness and rank senior in right of payment to all of our future subordinated indebtedness. Our senior note obligations are guaranteed by certain of our wholly-owned subsidiaries. See Note 13 for condensed consolidating financial information regarding our guarantor and non-guarantor subsidiaries. We may redeem the senior notes, other than the contingent convertible senior notes, at any time at specified make-whole or redemption prices. Senior notes issued before July 2005 are governed by indentures containing covenants that limit our ability and our restricted subsidiaries ability to incur additional indebtedness; pay dividends on our capital stock or redeem, repurchase or retire our capital stock or subordinated indebtedness; make investments and other restricted payments; incur liens; enter into sale/leaseback transactions; create restrictions on the payment of dividends or other amounts to us from our restricted subsidiaries; engage in

transactions with affiliates; sell assets; and consolidate, merge or transfer assets. Senior notes issued after June 2005 are governed by indentures containing covenants that limit our ability and our subsidiaries ability to incur certain secured indebtedness; enter into sale/leaseback transactions; and consolidate, merge or transfer assets. Chesapeake Energy Corporation is a holding company and owns no operating assets and has no significant operations independent of its subsidiaries. As of September 30, 2008, our obligations under our outstanding senior notes and contingent convertible notes were fully and unconditionally guaranteed, jointly and severally, by all of our wholly-owned restricted subsidiaries, other than minor subsidiaries, on a senior unsecured basis. In October 2008, we restructured our midstream operations. As a result, beginning in the fourth quarter of 2008, our wholly-owned midstream subsidiaries having significant assets and operations do not guarantee our outstanding senior notes. During the Current Period, holders of our 2.25% Contingent Convertible Senior Notes due 2038 exchanged approximately \$238 million in aggregate principal amount for an aggregate of 6,707,321 shares of our common stock in privately negotiated exchanges. No scheduled principal payments are required under our senior notes until 2013 when \$864 million is due. On January 1, 2009, we adopted and applied retrospectively the provisions of ASC 470-20, Debt with Conversion and Other Options. We have three debt issuances affected by this change: our 2.75% Contingent Convertible Senior Notes due 2035, our 2.5% Contingent Convertible Senior Notes due 2037 and our 2.25% Contingent Convertible Senior Notes due 2038. ASC 470-20 requires us to account for the liability and equity components of our convertible debt instruments separately and to reflect interest expense at the interest rate of similar nonconvertible debt at the time of issuance (6.86%, 8.0% and 8.0%, respectively). Additionally, debt issuance costs are required to be allocated in proportion to the liability and equity components and accounted for as debt issuance costs and equity issuance costs, respectively. The allocation to the equity component of the convertible notes was \$845 million (net of tax) at December 31, 2008. The accretion of the resulting discount on the debt is recognized as a part of interest expense, thereby increasing the amount of interest expense required to be recognized with respect to such instruments. Given the increase in our overall effective interest rate after adoption of ASC 470-20, we also capitalized additional interest which largely offset the increase in interest expense. The following table summarizes the effect of the change in accounting principle related to our contingent convertible notes on the condensed consolidated balance sheet: December 31, 2008

Previously Reported	Adjustment	Adjusted (\$ in
---------------------	------------	-----------------

millions) Unevaluated  
 properties \$  
 11,216 \$  
 163 \$  
 11,379 Other long-term  
 assets \$  
 1,007 \$  
 (14  
 ) \$  
 993 Long-term debt,  
 net \$  
 14,184 \$  
 (1,009  
 ) \$  
 13,175 Deferred income tax  
 liability \$  
 3,763 \$  
 437 \$  
 4,200 Paid-in-capital \$  
 10,835 \$  
 845 \$  
 11,680 Retained  
 earnings \$  
 4,694 \$  
 (125  
 ) \$  
 4,569 The following  
 table summarizes the effect of the change in accounting principle  
 related to our contingent convertible notes on the condensed  
 consolidated statements of operations (\$ in millions, except per  
 share data): Previously  
 Reported Adjustment Adjusted Three Months Ended  
 September 30, 2008: Depreciation and  
 amortization of other assets \$  
 48 \$  
 \$  
 48 Interest expense \$  
 48 \$  
 (14  
 ) \$  
 34 Income tax expense  
 (benefit) \$  
 2,074 \$  
 5 \$  
 2,079 Net income  
 (loss) \$  
 3,313 \$  
 9 \$

3,322 Weighted average common and  
 common equivalent shares outstanding assuming dilution (in  
 millions) 588 588 Earnings (loss) per common  
 share: Basic \$  
 5.93 \$  
 0.01 \$  
 5.94 Diluted \$  
 5.61 \$  
 0.01 \$  
 5.62 Previously Reported Adjustment Adjusted Nine Months Ended  
 September 30, 2008: Depreciation and  
 amortization of other assets \$  
 125 \$  
 (1  
 ) \$  
 124 Interest expense \$  
 212 \$  
 (26  
 ) \$  
 186 Income tax expense  
 (benefit) \$  
 991 \$  
 11 \$  
 1,002 Net income  
 (loss) \$  
 1,584 \$  
 16 \$  
 1,600 Weighted average common and  
 common equivalent shares outstanding assuming dilution (in  
 millions) 557 557 Earnings (loss) per common  
 share: Basic \$  
 2.85 \$  
 0.03 \$  
 2.88 Diluted \$  
 2.73 \$  
 0.03 \$  
 2.76 The following  
 table summarizes the effect of the change in accounting principle  
 related to our contingent convertible notes on the condensed  
 consolidated statement of cash flows for the nine months ended  
 September 30, 2008 (\$ in millions): Previously  
 Reported Adjustment Adjusted Nine Months Ended  
 September 30, 2008: Cash flows provided by  
 operating activities \$  
 4,305 \$  
 82 \$  
 4,387 Cash flows used in  
 investing activities \$

(8,201  
 ) \$  
 (82  
 ) \$  
 (8,283  
 ) Cash flows provided by  
 financing activities \$  
 5,859 \$  
 \$  
 5,859 Bank Credit  
 Facilities We utilize  
 three bank credit facilities, described below, as sources of  
 liquidity. General  
 Corporate Credit Facility CMD Credit Facility CMP Credit Facility (\$ in  
 millions) Borrowing  
 capacity \$  
 3,500 \$  
 250 \$  
 500 Maturity date November 2012 September 2012 September 2012 Borrowers Chesapeake  
 Exploration, L.L.C.  
 and Chesapeake  
 Appalachia, L.L.C. Chesapeake  
 Midstream  
 Operating, L.L.C.  
 (CMO) Chesapeake  
 Midstream  
 Partners, L.L.C.  
 (CMP) Facility  
 structure Senior secured  
 revolving Senior secured  
 revolving Senior secured  
 revolving Amount outstanding as of  
 September 30, 2009 \$  
 1,618 \$  
 12 Letters of credit  
 outstanding as of September 30, 2009 \$  
 11 Our credit  
 facilities do not contain material adverse change or adequate  
 assurance covenants. Although the applicable interest rates under  
 our general corporate credit facility fluctuate slightly based on  
 our long-term senior unsecured credit ratings, none of our credit  
 facilities contain provisions which would trigger an acceleration  
 of amounts due under the facilities or a requirement to post  
 additional collateral in the event of a downgrade of our credit  
 ratings. General  
 Corporate Credit Facility Our \$3.5  
 billion syndicated revolving bank credit facility is used for  
 general corporate purposes. Borrowings under the facility are

secured by certain producing natural gas and oil properties and bear interest at our option at either (i) the greater of the reference rate of Union Bank, N.A. or the federal funds effective rate plus 0.50%, both of which are subject to a margin that varies from 0.00% to 0.75% per annum according to our senior unsecured long-term debt ratings, or (ii) the London Interbank Offered Rate (LIBOR), plus a margin that varies from 1.50% to 2.25% per annum according to our senior unsecured long-term debt ratings. The collateral value and borrowing base are determined periodically. The unused portion of the facility is subject to a commitment fee of 0.50%. Interest is payable quarterly or, if LIBOR applies, it may be payable at more frequent intervals. The credit facility agreement contains various covenants and restrictive provisions which limit our ability to incur additional indebtedness, make investments or loans and create liens. The credit facility agreement requires us to maintain an indebtedness (excluding discount on senior notes) to total capitalization ratio (as defined) not to exceed 0.70 to 1 and an indebtedness to EBITDA ratio (as defined) not to exceed 3.75 to 1. As defined by the credit facility agreement, our indebtedness to total capitalization ratio was 0.41 to 1 and our indebtedness to EBITDA ratio was 3.48 to 1 at September 30, 2009. If we should fail to perform our obligations under these and other covenants, the revolving credit commitment could be terminated and any outstanding borrowings under the facility could be declared immediately due and payable. Such acceleration, if involving a principal amount of \$10 million (\$50 million in the case of our senior notes issued after 2004), would constitute an event of default under our senior note indentures, which could in turn result in the acceleration of a significant portion of our senior note indebtedness. The credit facility agreement also has cross default provisions that apply to other indebtedness of Chesapeake and its restricted subsidiaries with an outstanding principal amount in excess of \$75 million. The facility is fully and unconditionally guaranteed, on a joint and several basis, by Chesapeake and all of our other wholly-owned restricted subsidiaries. CMD Credit Facility Our Chesapeake Midstream Development, L.P. (CMD) \$250 million syndicated revolving bank credit facility is used to fund capital expenditures to build natural gas gathering and other systems for our drilling program and for general corporate purposes associated with our midstream operations. Borrowings under the CMD credit facility are secured by all of the assets of the wholly-owned subsidiaries (the restricted subsidiaries) of CMD, itself a wholly-owned subsidiary of Chesapeake, and bear interest at our option at either (i) the greater of the reference rate of Wells Fargo Bank, National Association, the federal funds effective rate plus 0.50%, and the

one-month LIBOR plus 1.00%, all of which would be subject to a margin that varies from 2.00% to 2.75% per annum according to the most recent indebtedness to EBITDA ratio (as defined) or (ii) the LIBOR plus a margin that varies from 3.00% to 3.75% per annum according to the most recent indebtedness to EBITDA ratio (as defined). The unused portion of the facility is subject to a commitment fee of 0.50% per annum according to the most recent indebtedness to EBITDA ratio (as defined). Interest is payable quarterly or, if LIBOR applies, it may be paid at more frequent intervals. The CMD credit facility agreement contains various covenants and restrictive provisions which limit the ability of CMD and its restricted subsidiaries to incur additional indebtedness, make investments or loans and create liens. The credit facility agreement requires maintenance of an indebtedness to EBITDA ratio (as defined) not to exceed 3.50 to 1, and an EBITDA (as defined) to interest expense coverage ratio of not less than 3.00 to 1. As defined by the credit facility agreement, our indebtedness to EBITDA ratio was 0.01 to 1 and our EBITDA to interest expense coverage ratio was 6.62 to 1 at September 30, 2009. If CMD or its restricted subsidiaries should fail to perform their obligations under these and other covenants, the revolving credit commitment could be terminated and any outstanding borrowings under the CMD facility could be declared immediately due and payable. The CMD credit facility agreement also has cross default provisions that apply to other indebtedness CMD and its restricted subsidiaries may have with an outstanding principal amount in excess of \$15 million. CMP Credit Facility Our Chesapeake

Midstream Partners, L.L.C. (CMP) \$500 million syndicated revolving bank credit facility was established concurrent with the midstream joint venture we formed on September 30, 2009 (see Note 8 for discussion regarding the midstream joint venture). As a result of that transaction, our existing CMD credit facility was amended and restated. Borrowings under the CMP credit facility are secured by all of the assets of the companies organized under CMP, which is 50% owned by Chesapeake and 50% owned by our joint venture partner Global Infrastructure Partners, and bear interest at our option at either (i) the greater of the reference rate of Wells Fargo Bank, National Association, the federal funds effective rate plus 0.50%, and the one-month LIBOR plus 1.00%, all of which would be subject to a margin that varies from 2.00% to 2.75% per annum according to the most recent indebtedness to EBITDA ratio (as defined) or (ii) the LIBOR plus a margin that varies from 3.00% to 3.75% per annum according to the most recent indebtedness to EBITDA ratio (as defined). The unused portion of the facility is subject to a commitment fee of 0.50% per annum according to the most recent indebtedness to EBITDA ratio (as defined). Interest is payable quarterly or, if LIBOR applies, it

may be paid at more frequent intervals. The CMP credit facility agreement contains various covenants and restrictive provisions which limit the ability of CMP and its subsidiaries to incur additional indebtedness, make investments or loans and create liens. The credit facility agreement requires maintenance of an indebtedness to EBITDA ratio (as defined) not to exceed 3.50 to 1, and an EBITDA (as defined) to interest expense coverage ratio of not less than 3.00 to 1. As defined by the credit facility agreement, our indebtedness to EBITDA ratio was 0.09 to 1 and our EBITDA to interest expense coverage ratio was 17.49 to 1 at September 30, 2009. If CMP or its subsidiaries should fail to perform their obligations under these and other covenants, the revolving credit commitment could be terminated and any outstanding borrowings under the CMP facility could be declared immediately due and payable. The CMP credit facility agreement also has cross default provisions that apply to other indebtedness CMP and its subsidiaries may have with an outstanding principal amount in excess of \$15 million.

2010-05-31

#### 6. Debt Our total

debt consisted of the following at March 31, 2010 and

December 31, 2009: March 31, 2010 December 31, 2009 (\$ in millions) 7.5% senior notes due 2013 \$

364 \$

364 7.625% senior notes due

2013 500 500 7.0% senior notes due 2014 300 300 7.5% senior notes due 2014 300 300 6.375% senior

2015 600 600 9.5% senior notes due 2015 1,425 1,425 6.625% senior Notes due

2016 600 600 6.875% senior notes due

2016 670 670 6.25% Euro-denominated senior notes

due 2017(a) 811 860 6.5% senior notes due 2017 1,100 1,100 6.25% senior notes due

2018 600 600 7.25% senior notes due

2018 800 800 6.875% senior notes due

2020 500 500 2.75% contingent convertible senior

notes due 2035(b) 451 451 2.5% contingent convertible senior

notes due 2037(b) 1,378 1,378 2.25% contingent convertible senior

notes due 2038(b) 752 763 Corporate revolving bank credit

facility 1,835 1,892 Midstream revolving bank credit

facility 37 Midstream joint venture revolving

bank credit facility(c) 44 Discount on senior

notes(d)

) (894

) (921

) Interest rate

derivatives(e)

) 75 69 Total notes payable and long-term

debt \$

12,204 \$

12,295 (a) The



principal amount shown is based on the dollar/euro exchange rate of \$1.3526 to 1.00 and \$1.4332 to 1.00 as of March 31, 2010 and December 31, 2009, respectively. See Note 2 for information on our related foreign currency derivatives. (b) The holders of our contingent convertible senior notes may require us to repurchase, in cash, all or a portion of their notes at 100% of the principal amount of the notes on any of four dates that are five, ten, fifteen and twenty years before the maturity date. The notes are convertible, at the holders option, prior to maturity under certain circumstances into cash and, if applicable, shares of our common stock using a net share settlement process. One such triggering circumstance is when the price of our common stock exceeds a threshold amount during a specified period in a fiscal quarter. Convertibility based on common stock price is measured quarter by quarter. In the first quarter of 2010, the price of our common stock was below the threshold level for each series of the contingent convertible senior notes during the specified period and, as a result, the holders do not have the option to convert their notes into cash and common stock in the second quarter of 2010 under this provision. The notes are also convertible, at the holders option, during specified five-day periods if the trading price of the notes is below certain levels determined by reference to the trading price of our common stock. In general, upon conversion of a contingent convertible senior note, the holder will receive cash equal to the principal amount of the note and common stock for the notes conversion value in excess of such principal amount. We will pay contingent interest on the convertible senior notes after they have been outstanding at least ten years, under certain conditions. We may redeem the convertible senior notes once they have been outstanding for ten years at a redemption price of 100% of the principal amount of the notes, payable in cash. The optional repurchase dates, the common stock price conversion threshold amounts and the ending date of the first six-month period contingent interest may be payable for the contingent convertible senior notes are as follows:

Contingent Convertible Senior Notes Repurchase	Dates Common Stock Price Conversion	Thresholds Contingent Interest First Payable (if applicable)
2035	November 15, 2015, 2020, 2025, 2030	\$ 48.71
2037	May 14, 2016	2.5% due
2032	May 15, 2017, 2022, 2027,	\$

64.36 November 14, 2017 2.25% due  
2038 December 15, 2018, 2023,  
2028, 2033 \$

107.36 June 14, 2019 (c) Effective January 1, 2010, our midstream joint venture, CMP, was no longer consolidated in accordance with the new authoritative guidance. See Note 1 for further details. (d) Included in this discount is \$771 million at December 31, 2009 associated with the equity component of our contingent convertible senior notes. (e) See

Note 2 for discussion related to these instruments. Senior Notes

Our

senior notes are unsecured senior obligations of Chesapeake and rank equally in right of payment with all of our other existing and future senior indebtedness and rank senior in right of payment to all of our future subordinated indebtedness. Chesapeake is a holding company and owns no operating assets and has no significant operations independent of its subsidiaries. Our senior note obligations are guaranteed by certain of our wholly owned subsidiaries. See Note 11 for condensed consolidating financial information regarding our guarantor and non-guarantor subsidiaries. We may redeem the senior notes, other than the contingent convertible senior notes, at any time at specified make-whole or redemption prices. Senior notes issued before July 2005 are governed by indentures containing covenants that limit our ability and our restricted subsidiaries ability to incur additional indebtedness; pay dividends on our capital stock or redeem, repurchase or retire our capital stock or subordinated indebtedness; make investments and other restricted payments; incur liens; enter into sale/leaseback transactions; create restrictions on the payment of dividends or other amounts to us from our restricted subsidiaries; engage in transactions with affiliates; sell assets; and consolidate, merge or transfer assets. Senior notes issued after June 2005 are governed by indentures containing covenants that limit our ability and our subsidiaries ability to incur certain secured indebtedness; enter into sale/leaseback transactions; and consolidate, merge or transfer assets.

We are

required to account for the liability and equity components of our convertible debt instruments separately and to reflect interest expense at the interest rate of similar nonconvertible debt at the time of issuance. These rates for our 2.75% Contingent Convertible Senior Notes due 2035, our 2.5% Contingent Convertible Senior Notes due 2037 and our 2.25% Contingent Convertible Senior Notes due 2038 are 6.86%, 8.0% and 8.0%, respectively.

During

the Current Quarter, holders of our 2.25% Contingent Convertible

Senior Notes due 2038 exchanged approximately \$11 million in aggregate principal amount for an aggregate of 298,500 shares of our common stock in privately negotiated exchanges.

No

scheduled principal payments are required under our senior notes until 2013 when \$864 million is due. Bank Credit

Facilities

We

utilize two bank credit facilities, described below, as sources of liquidity. Corporate Credit Facility(a) Midstream Credit Facility(b) (\$ in millions) Borrowing c

March 31, 2010 \$ 1,835 \$ 37 Letters of credit outstanding as of

March 31, 2010 \$ 41 \$ (a) Borrowers are Chesapeake Exploration, L.L.C. and Chesapeake Appalachia, L.L.C. (b) Borrower is Chesapeake Midstream Operating, L.L.C., a wholly owned subsidiary of Chesapeake Midstream Development,

L.P. Our

credit facilities do not contain material adverse change or adequate assurance covenants. Although the applicable interest rates under our general corporate credit facility fluctuate slightly based on our long-term senior unsecured credit ratings, none of our credit facilities contain provisions which would trigger an acceleration of amounts due under the facilities or a requirement to post additional collateral in the event of a downgrade of our credit ratings. Corporate Credit

Facility

Our \$3.5

billion syndicated revolving bank credit facility is used for general corporate purposes. Borrowings under the facility are secured by certain producing natural gas and oil properties and bear interest at our option at either (i) the greater of the reference rate of Union Bank, N.A. or the federal funds effective rate plus 0.50%, both of which are subject to a margin that varies from 0.00% to 0.75% per annum according to our senior unsecured long-term debt ratings, or (ii) the London Interbank Offered Rate (LIBOR), plus a margin that varies from 1.50% to 2.25% per annum according to our senior unsecured long-term debt ratings. The collateral value and borrowing base are determined periodically. The unused portion of the facility is subject to a commitment fee of 0.50%. Interest is payable quarterly or, if LIBOR applies, it may be payable at more frequent intervals.

The

credit facility agreement contains various covenants and restrictive provisions which limit our ability to incur additional indebtedness, make investments or loans and create liens. The credit facility agreement requires us to maintain an indebtedness (excluding discount on senior notes) to total capitalization ratio (as defined) not to exceed 0.70 to 1 and an indebtedness to EBITDA ratio (as defined) not to exceed 3.75 to 1. As defined by the

credit facility agreement, our indebtedness to total capitalization ratio was 0.41 to 1 and our indebtedness to EBITDA ratio was 3.05 to 1 at March 31, 2010. If we should fail to perform our obligations under these and other covenants, the revolving credit commitment could be terminated and any outstanding borrowings under the facility could be declared immediately due and payable. Such acceleration, if involving a principal amount of \$10 million (\$50 million in the case of our senior notes issued after 2004), would constitute an event of default under our senior note indentures, which could in turn result in the acceleration of a significant portion of our senior note indebtedness. The credit facility agreement also has cross default provisions that apply to other indebtedness of Chesapeake and its restricted subsidiaries with an outstanding principal amount in excess of \$75 million.

The

facility is fully and unconditionally guaranteed, on a joint and several basis, by Chesapeake and all of our other wholly owned restricted subsidiaries. Midstream Credit

Facility

Our \$250

million midstream syndicated revolving bank credit facility is used to fund capital expenditures to build natural gas gathering and other systems for our drilling program and for general corporate purposes associated with our midstream operations. Borrowings under the midstream credit facility are secured by all of the assets of the wholly owned subsidiaries (the restricted subsidiaries) of Chesapeake Midstream Development, L.P. (CMD), itself a wholly owned subsidiary of Chesapeake, and bear interest at our option at either (i) the greater of the reference rate of Wells Fargo Bank, National Association, the federal funds effective rate plus 0.50%, and the one-month LIBOR plus 1.00%, all of which are subject to a margin that varies from 2.00% to 2.75% per annum according to the most recent indebtedness to EBITDA ratio (as defined) or (ii) the LIBOR plus a margin that varies from 3.00% to 3.75% per annum according to the most recent indebtedness to EBITDA ratio (as defined). The unused portion of the facility is subject to a commitment fee of 0.50% per annum according to the most recent indebtedness to EBITDA ratio (as defined). Interest is payable quarterly or, if LIBOR applies, it may be payable at more frequent intervals.

The

midstream credit facility agreement contains various covenants and restrictive provisions which limit the ability of CMD and its restricted subsidiaries to incur additional indebtedness, make investments or loans and create liens. The credit facility agreement requires maintenance of an indebtedness to EBITDA ratio (as defined) not to exceed 3.50 to 1, and an EBITDA (as defined) to interest expense coverage ratio of not less than 3.00 to 1. As

defined by the credit facility agreement, our indebtedness to EBITDA ratio was 0.49 to 1 and our EBITDA to interest expense coverage ratio was 6.75 to 1 at March 31, 2010. If CMD or its restricted subsidiaries should fail to perform their obligations under these and other covenants, the revolving credit commitment could be terminated and any outstanding borrowings under the facility could be declared immediately due and payable. The midstream credit facility agreement also has cross default provisions that apply to other indebtedness CMD and its restricted subsidiaries may have with an outstanding principal amount in excess of \$15 million. Other

#### Financings

In 2009,

we financed 113 real estate surface assets in the Barnett Shale area for approximately \$145 million and entered into a 40-year master lease agreement under which we agreed to lease the sites for approximately \$15 million to \$27 million annually. This lease transaction was recorded as a financing lease and the cash received was recorded with an offsetting long-term liability on the condensed consolidated balance sheet. Chesapeake exercised its option to repurchase two of the assets in the Current Quarter. As of March 31, 2010, 111 assets were leased and the minimum aggregate undiscounted future lease payments were approximately \$840 million.

In 2009,

we financed our regional Barnett Shale headquarters building in Fort Worth, Texas for approximately \$54 million with a five-year term loan which has a floating rate of prime plus 275 basis points. At our option, we may prepay in full without penalty beginning in year four. The payment obligation is guaranteed by Chesapeake.

2010-08-31

#### 6. Debt Our total

debt consisted of the following at June 30, 2010 and

December 31, 2009: June 30, 2010 December 31, 2009 (\$ in millions) 7.5% senior notes due 2013 \$

364 7.625% senior notes due

2013 500 500 7.0% senior notes due 2014(a) 300 300 7.5% senior notes due 2014 300 6.375% senior

2015(b) 600 600 9.5% senior notes due 2015 1,425 1,425 6.625% senior notes due

2016(a) 600 600 6.875% senior notes due

2016 670 6.25% Euro-denominated senior notes

due 2017(c) 738 860 6.5% senior notes due 2017 1,100 1,100 6.25% senior notes due

2018(a) 600 600 7.25% senior notes due

2018 800 800 6.875% senior notes due

2020 500 500 2.75% contingent convertible senior

notes due 2035(d) 451 451 2.5% contingent convertible senior

notes due 2037(d) 1,378 1,378 2.25% contingent convertible senior

notes due 2038(d) 752 763 Corporate revolving bank credit  
 facility 1,371 1,892 Midstream revolving bank credit  
 facility 150 Midstream joint venture revolving  
 bank credit facility(e) 44 Discount on senior notes(f) (832  
 ) (921  
 ) Interest rate derivatives(g) 68 69 Total notes payable and long-term  
 debt \$  
 10,501 \$  
 12,295 (a) Subsequent to June 30, 2010, we commenced a tender offer  
 for these notes. See Note 14 for further discussion. (b) These  
 notes were called for redemption on June 21, 2010 and redeemed  
 on July 22, 2010 utilizing funds from our corporate revolving  
 credit facility. (c) The  
 principal amount shown is based on the dollar/euro exchange rate of  
 \$1.2291 to 1.00 and \$1.4332 to 1.00 as of  
 June 30, 2010 and December 31, 2009,  
 respectively. See Note 2 for information on our related  
 foreign currency derivatives. (d) The  
 holders of our contingent convertible senior notes may require us  
 to repurchase, in cash, all or a portion of their notes at 100% of  
 the principal amount of the notes on any of four dates that are  
 five, ten, fifteen and twenty years before the maturity date. The  
 notes are convertible, at the holders option, prior to  
 maturity under certain circumstances into cash and, if applicable,  
 shares of our common stock using a net share settlement process.  
 One such triggering circumstance is when the price of our common  
 stock exceeds a threshold amount during a specified period in a  
 fiscal quarter. Convertibility based on common stock price is  
 measured quarter by quarter. In the second quarter of 2010, the  
 price of our common stock was below the threshold level for each  
 series of the contingent convertible senior notes during the  
 specified period and, as a result, the holders do not have the  
 option to convert their notes into cash and common stock in the  
 third quarter of 2010 under this provision. The notes are also  
 convertible, at the holders option, during specified  
 five-day periods if the trading price of the notes is below certain  
 levels determined by reference to the trading price of our common  
 stock. In general, upon conversion of a contingent convertible  
 senior note, the holder will receive cash equal to the principal  
 amount of the note and common stock for the notes conversion  
 value in excess of such principal amount. We will pay contingent  
 interest on the convertible senior notes after they have been  
 outstanding at least ten years, under certain conditions. We may  
 redeem the convertible senior notes once they have been outstanding  
 for ten years at a redemption price of 100% of the principal amount  
 of the notes, payable in cash. The optional repurchase dates, the  
 common stock price conversion threshold amounts and the ending date  
 of the first six-month period contingent interest may be payable

for the contingent convertible senior notes are as follows: Contingent Convertible Senior

Notes Repurchase

Dates Common Stock

Price Conversion

Thresholds Contingent

Interest First

Payable (if

applicable) 2.75% due 2035 November 15, 2015, 2020, 2025, 2030 \$

48.71 May 14, 2016 2.5% due 2037 May 15, 2017, 2022, 2027, 2032 \$

64.26 November 14, 2017 2.25% due 2038 December 15, 2018, 2023, 2028, 2033 \$

107.36 June 14, 2019 (e) Effective January 1, 2010, our midstream joint venture was no longer consolidated in accordance with the new authoritative guidance. See Note 1 for further details. (f) Included in this discount is \$751 million at June and \$794 million at December 31, 2009 associated with the equity component of our contingent convertible senior notes. (g) See

Note 2 for discussion related to these instruments. Senior Notes

Our

senior notes are unsecured senior obligations of Chesapeake and rank equally in right of payment with all of our other existing and future senior indebtedness and rank senior in right of payment to all of our future subordinated indebtedness. Chesapeake is a holding company and owns no operating assets and has no significant operations independent of its subsidiaries. Our senior note obligations are guaranteed by certain of our wholly owned subsidiaries. See Note 12 for condensed consolidating financial information regarding our guarantor and non-guarantor subsidiaries. We may redeem the senior notes, other than the contingent convertible senior notes, at any time at specified make-whole or redemption prices. Senior notes issued before July 2005 are governed by indentures containing covenants that limit our ability and our restricted subsidiaries ability to incur additional indebtedness; pay dividends on our capital stock or redeem, repurchase or retire our capital stock or subordinated indebtedness; make investments and other restricted payments; incur liens; enter into sale/leaseback transactions; create restrictions on the payment of dividends or other amounts to us from our restricted subsidiaries; engage in transactions with affiliates; sell assets; and consolidate, merge or transfer assets. Senior notes issued after June 2005 are governed by indentures containing covenants that limit our ability and our subsidiaries ability to incur certain secured indebtedness; enter into sale/leaseback transactions; and consolidate, merge or transfer

assets.

We are

required to account for the liability and equity components of our convertible debt instruments separately and to reflect interest expense at the interest rate of similar nonconvertible debt at the time of issuance. These rates for our 2.75% Contingent Convertible Senior Notes due 2035, our 2.5% Contingent Convertible Senior Notes due 2037 and our 2.25% Contingent Convertible Senior Notes due 2038 are 6.86%, 8.0% and 8.0%, respectively.

On

June 21, 2010, we redeemed in whole for an aggregate redemption price of approximately \$1.366 billion, plus accrued interest, approximately \$364 million in principal amount of our outstanding 7.50% Senior Notes due 2013, \$300 million in principal amount of our 7.50% Senior Notes due 2014 and approximately \$670 million in principal amount of our 6.875% Senior Notes due 2016. Associated with the redemptions, we recognized a loss of \$69 million in the Current Period. On

June 21, 2010, we called for redemption in whole for a redemption price of approximately \$619 million, plus accrued interest, \$600 million in principal amount of our 6.375% Senior Notes due 2015. This redemption occurred on July 22, 2010.

During

the Current Period, holders of our 2.25% Contingent Convertible Senior Notes due 2038 exchanged approximately \$11 million in aggregate principal amount for an aggregate of 298,500 shares of our common stock in privately negotiated exchanges. Associated with these exchanges, we recognized a loss of \$2 million in the Current Period.

No

scheduled principal payments are required under our senior notes until 2013 when \$500 million is due. Bank Credit

Facilities

We

utilize two bank credit facilities, described below, as sources of liquidity. Corporate

Credit Facility(a) Midstream

Credit Facility(b) (\$ in millions) Borrowing capacity \$ 3,500 \$ 250 Maturity date November 2012  
June 30, 2010 \$ 1,371 \$ 150 Letters of credit outstanding as of

June 30, 2010 \$ 14 \$ (a) Borrowers are Chesapeake Exploration, L.L.C. and Chesapeake Appalachia, L.L.C. (b) Borrower is Chesapeake Midstream Operating, L.L.C., a wholly owned subsidiary of Chesapeake Midstream Development, L.P. Certain terms of the credit agreement for this facility were amended on August 2, 2010. See Note 14. Our

credit facilities do not contain material adverse change or adequate assurance covenants. Although the applicable interest rates under our corporate credit facility fluctuate slightly based



on our long-term senior unsecured credit ratings, none of our credit facilities contain provisions which would trigger an acceleration of amounts due under the facilities or a requirement to post additional collateral in the event of a downgrade of our credit ratings. Corporate Credit

Facility

Our \$3.5

billion syndicated revolving bank credit facility is used for general corporate purposes. Borrowings under the facility are secured by natural gas and oil proved reserves and bear interest at our option at either (i) the greater of the reference rate of Union Bank, N.A. or the federal funds effective rate plus 0.50%, both of which are subject to a margin that varies from 0.00% to 0.75% per annum according to our senior unsecured long-term debt ratings, or (ii) the London Interbank Offered Rate (LIBOR), plus a margin that varies from 1.50% to 2.25% per annum according to our senior unsecured long-term debt ratings. The collateral value and borrowing base are determined periodically. The unused portion of the facility is subject to a commitment fee of 0.50%. Interest is payable quarterly or, if LIBOR applies, it may be payable at more frequent intervals.

The

credit facility agreement contains various covenants and restrictive provisions which limit our ability to incur additional indebtedness, make investments or loans and create liens. It was amended during the Current Quarter to, among other things, bring in additional lenders to replace Lehman Brothers unfunded commitment. The credit facility agreement requires us to maintain an indebtedness (excluding discount on senior notes) to total capitalization ratio (as defined) not to exceed 0.70 to 1 and an indebtedness to EBITDA ratio (as defined) not to exceed 3.75 to 1. As defined by the credit facility agreement, our indebtedness to total capitalization ratio was 0.35 to 1 and our indebtedness to EBITDA ratio was 2.64 to 1 at June 30, 2010. If we should fail to perform our obligations under these and other covenants, the revolving credit commitment could be terminated and any outstanding borrowings under the facility could be declared immediately due and payable. Such acceleration, if involving a principal amount of \$10 million (\$50 million in the case of our senior notes issued after 2004), would constitute an event of default under our senior note indentures, which could in turn result in the acceleration of a significant portion of our senior note indebtedness. The credit facility agreement also has cross default provisions that apply to other indebtedness of Chesapeake and its restricted subsidiaries with an outstanding principal amount in excess of \$75 million.

The

facility is fully and unconditionally guaranteed, on a joint and

several basis, by Chesapeake and all of our other wholly owned restricted subsidiaries. Midstream Credit Facility

Our \$250

million midstream syndicated revolving bank credit facility is used to fund capital expenditures to build natural gas gathering and other systems for our drilling program and for general corporate purposes associated with our midstream operations. Borrowings under the midstream credit facility are secured by all of the assets of the wholly owned subsidiaries (the restricted subsidiaries) of Chesapeake Midstream Development, L.P. (CMD), itself a wholly owned subsidiary of Chesapeake, and bear interest at our option at either (i) the greater of the reference rate of Wells Fargo Bank, National Association, the federal funds effective rate plus 0.50%, and the one-month LIBOR plus 1.00%, all of which are subject to a margin that varies from 2.00% to 2.75% per annum according to the most recent indebtedness to EBITDA ratio (as defined) or (ii) the LIBOR plus a margin that varies from 3.00% to 3.75% per annum according to the most recent indebtedness to EBITDA ratio (as defined). The unused portion of the facility is subject to a commitment fee of 0.50% per annum according to the most recent indebtedness to EBITDA ratio (as defined). Interest is payable quarterly or, if LIBOR applies, it may be payable at more frequent intervals.

The

midstream credit facility agreement contains various covenants and restrictive provisions which limit the ability of CMD and its restricted subsidiaries to incur additional indebtedness, make investments or loans and create liens. The credit facility agreement requires maintenance of an indebtedness to EBITDA ratio (as defined) not to exceed 3.50 to 1, and an EBITDA (as defined) to interest expense coverage ratio of not less than 3.00 to 1. As defined by the credit facility agreement, our indebtedness to EBITDA ratio was 1.03 to 1 and our EBITDA to interest expense coverage ratio was 19.77 to 1 at June 30, 2010. If CMD or its restricted subsidiaries should fail to perform their obligations under these and other covenants, the revolving credit commitment could be terminated and any outstanding borrowings under the facility could be declared immediately due and payable. The midstream credit facility agreement also has cross default provisions that apply to other indebtedness CMD and its restricted subsidiaries may have with an outstanding principal amount in excess of \$15 million. Other

Financings

In 2009,

we financed 113 real estate surface assets in the Barnett Shale area for approximately \$145 million and entered into a 40-year master lease agreement under which we agreed to lease the sites for

approximately \$15 million to \$27 million annually. This lease transaction was recorded as a financing lease and the cash received was recorded with an offsetting long-term liability on the condensed consolidated balance sheet. Chesapeake exercised its option to repurchase two of the assets in the Current Period. As of June 30, 2010, 111 assets were leased and the minimum aggregate undiscounted future lease payments were approximately \$836 million.

In 2009,

we financed our regional Barnett Shale headquarters building in Fort Worth, Texas for net proceeds of approximately \$54 million with a five-year term loan which has a floating rate of prime plus 275 basis points. At our option, we may prepay in full without penalty beginning in year four. The payment obligation is guaranteed by Chesapeake.

2010-11-30

6. Debt Our total

debt consisted of the following at September 30, 2010 and

December 31, 2009: September 30,

2010 December 31,

2009 (\$ in millions) 7.5% senior notes due 2013 \$

\$

364 7.625% senior notes due

2013 500 500 7.0% senior notes due 2014 300 7.5% senior notes due 2014 300 6.375% senior notes

2015 600 9.5% senior notes due 2015 1,425 1,425 6.625% senior notes due

2016 600 6.875% senior notes due

2016 670 6.25% euro-denominated senior notes

due 2017(a) 816 860 6.5% senior notes due 2017 1,100 1,100 6.25% senior notes due

2018 600 6.875% senior notes due

2018 600 7.25% senior notes due

2018 800 800 6.625% senior notes due

2020 1,400 6.875% senior notes due

2020 500 500 2.75% contingent convertible senior

notes due 2035(b) 451 451 2.5% contingent convertible senior

notes due 2037(b) 1,378 1,378 2.25% contingent convertible senior

notes due 2038(b) 752 763 Corporate revolving bank credit

facility 2,237 1,892 Midstream revolving bank credit

facility 250 Midstream joint venture revolving

bank credit facility(c) 44 Discount on senior

notes(d) (800

) (921

) Interest rate

derivatives(e) 36 69 Total notes payable and long-term

debt \$

11,445 \$

12,295 (a) The

principal amount shown is based on the dollar/euro exchange rate of

\$1.3601 to 1.00 and \$1.4332 to 1.00 as of September 30, 2010 and December 31, 2009, respectively. See Note 2 for information on our related foreign currency derivatives. (b) The holders of our contingent convertible senior notes may require us to repurchase, in cash, all or a portion of their notes at 100% of the principal amount of the notes on any of four dates that are five, ten, fifteen and twenty years before the maturity date. The notes are convertible, at the holders option, prior to maturity under certain circumstances into cash and, if applicable, shares of our common stock using a net share settlement process. One such triggering circumstance is when the price of our common stock exceeds a threshold amount during a specified period in a fiscal quarter. Convertibility based on common stock price is measured quarter by quarter. In the third quarter of 2010, the price of our common stock was below the threshold level for each series of the contingent convertible senior notes during the specified period and, as a result, the holders do not have the option to convert their notes into cash and common stock in the fourth quarter of 2010 under this provision. The notes are also convertible, at the holders option, during specified five-day periods if the trading price of the notes is below certain levels determined by reference to the trading price of our common stock. In general, upon conversion of a contingent convertible senior note, the holder will receive cash equal to the principal amount of the note and common stock for the notes conversion value in excess of such principal amount. We will pay contingent interest on the convertible senior notes after they have been outstanding at least ten years, under certain conditions. We may redeem the convertible senior notes once they have been outstanding for ten years at a redemption price of 100% of the principal amount of the notes, payable in cash. The optional repurchase dates, the common stock price conversion threshold amounts and the ending date of the first six-month period contingent interest may be payable for the contingent convertible senior notes are as follows: Contingent Convertible Senior Notes Repurchase Dates Common Stock Price Conversion Thresholds Contingent Interest First Payable (if applicable) 2.75% due 2035 November 15, 2015, 2020, 2025, 2030 \$ 48.71 May 14, 2016 2.5% due 2037 May 15, 2017, 2022, 2027, 2032 \$ 64.26 November 14, 2017 2033 \$ 107.36 June 14, 2019 (c) Effective January 1, 2010, our midstream joint venture was no longer consolidated in accordance with the new authoritative guidance. See Notes 1 and 9 for further details. (d) Included in this discount is \$731 million at 2010 and \$794 million at December 31, 2009 associated with the equity component of our contingent convertible senior notes. (e) See Note 2 for discussion related to these instruments. Senior

## Notes

Our

senior notes are unsecured senior obligations of Chesapeake and rank equally in right of payment with all of our other existing and future senior indebtedness and rank senior in right of payment to all of our future subordinated indebtedness. Chesapeake is a holding company and owns no operating assets and has no significant operations independent of its subsidiaries. Our senior note obligations are guaranteed by certain of our wholly owned subsidiaries. See Note 12 for condensed consolidating financial information regarding our guarantor and non-guarantor subsidiaries. We may redeem the senior notes, other than the contingent convertible senior notes, at any time at specified make-whole or redemption prices. Our senior notes are governed by indentures containing covenants that limit our ability and our subsidiaries ability to incur certain secured indebtedness; enter into sale/leaseback transactions; and consolidate, merge or transfer assets.

We are

required to account for the liability and equity components of our convertible debt instruments separately and to reflect interest expense at the interest rate of similar nonconvertible debt at the time of issuance. These rates for our 2.75% Contingent Convertible Senior Notes due 2035, our 2.5% Contingent Convertible Senior Notes due 2037 and our 2.25% Contingent Convertible Senior Notes due 2038 are 6.86%, 8.0% and 8.0%, respectively.

On

June 21, 2010, we redeemed in whole for an aggregate redemption price of approximately \$1.366 billion, plus accrued interest, approximately \$364 million in principal amount of our outstanding 7.50% Senior Notes due 2013, \$300 million in principal amount of our 7.50% Senior Notes due 2014 and approximately \$670 million in principal amount of our 6.875% Senior Notes due 2016. Associated with the redemptions, we recognized a loss of \$69 million in the Current Period.

On

July 22, 2010, we redeemed in whole for a redemption price of approximately \$619 million, plus accrued interest, all \$600 million in principal amount of our 6.375% Senior Notes due 2015. Associated with the redemption, we recognized a loss of \$19 million in the Current Quarter.

On

August 3, 2010, we filed a shelf registration statement on Form S-3 with the SEC for the offering from time to time of debt securities. On

August 17, 2010, we completed a public offering of \$2.0 billion aggregate principal amount of senior notes for net proceeds of approximately \$1.967 billion. The offering consisted of \$600

million of 6.875% Senior Notes due 2018 and \$1.4 billion of 6.625% Senior Notes due 2020. Both series were priced at par.

On

August 30, 2010, we completed tender offers to purchase for cash \$245 million of 7.00% Senior Notes due 2014, \$567 million of 6.625% Senior Notes due 2016 and \$582 million of 6.25% Senior Notes due 2018. On September 16, 2010, we redeemed the remaining \$55 million of 7.00% Senior Notes due 2014, \$33 million of 6.625% Senior Notes due 2016 and \$18 million of 6.25% Senior Notes due 2018 based on the redemption provisions in the indentures.

Associated with the tender offers and redemptions, we recognized a loss of \$40 million in the Current Quarter.

During

the Current Period, holders of our 2.25% Contingent Convertible Senior Notes due 2038 exchanged approximately \$11 million in aggregate principal amount for an aggregate of 298,500 shares of our common stock in privately negotiated exchanges. Associated with these exchanges, we recognized a loss of \$2 million in the Current Period.

No

scheduled principal payments are required under our senior notes until 2013 when \$500 million is due. Bank Credit Facilities

We

utilize two bank credit facilities, described below, as sources of liquidity. Corporate

Credit Facility(a) Midstream

Credit Facility(b) (\$ in millions) Borrowing capacity \$ 3,500 \$ 300 Maturity date November 2012 September 30, 2010 \$ 2,237 \$ 250 Letters of credit outstanding as of September 30, 2010 \$ 13 \$ (a) Borrowers are Chesapeake Exploration, L.L.C. and Chesapeake Appalachia, L.L.C. (b) Borrower is Chesapeake Midstream Operating, L.L.C., a wholly owned subsidiary of Chesapeake Midstream Development, L.P. Our

credit facilities do not contain material adverse change or adequate assurance covenants. Although the applicable interest rates under our corporate credit facility fluctuate slightly based on our long-term senior unsecured credit ratings, neither of our credit facilities contains provisions which would trigger an acceleration of amounts due under the facilities or a requirement to post additional collateral in the event of a downgrade of our credit ratings. Corporate Credit

Facility

Our \$3.5

billion syndicated revolving bank credit facility is used for general corporate purposes. Borrowings under the facility are secured by natural gas and oil proved reserves and bear interest at our option at either (i) the greater of the reference rate of Union Bank, N.A. or the federal funds effective rate plus 0.50%,

both of which are subject to a margin that varies from 0.00% to 0.75% per annum according to our senior unsecured long-term debt ratings, or (ii) the London Interbank Offered Rate (LIBOR), plus a margin that varies from 1.50% to 2.25% per annum according to our senior unsecured long-term debt ratings. The collateral value and borrowing base are determined periodically. The unused portion of the facility is subject to a commitment fee of 0.50%. Interest is payable quarterly or, if LIBOR applies, it may be payable at more frequent intervals. The credit facility agreement contains various covenants and restrictive provisions which limit our ability to incur additional indebtedness, make investments or loans and create liens and require us to maintain an indebtedness to total capitalization ratio and an indebtedness to EBITDA ratio, in each case as defined in the agreement. We were in compliance with all covenants under the agreement at September 30, 2010. If we should fail to perform our obligations under these and other covenants, the revolving credit commitment could be terminated and any outstanding borrowings under the facility could be declared immediately due and payable. Such acceleration, if involving a principal amount of \$50 million or more, would constitute an event of default under our senior note indentures, which could in turn result in the acceleration of a significant portion of our senior note indebtedness. The credit facility agreement also has cross default provisions that apply to other indebtedness of Chesapeake and its restricted subsidiaries with an outstanding principal amount in excess of \$75 million.

The facility is fully and unconditionally guaranteed, on a joint and several basis, by Chesapeake and certain of our other wholly owned subsidiaries. Midstream Credit

#### Facility

#### Our \$300

million midstream syndicated revolving bank credit facility is used to fund capital expenditures to build natural gas gathering and other systems for our drilling program and for general corporate purposes associated with our midstream operations. Borrowings under the midstream credit facility are secured by all of the assets of the wholly owned subsidiaries (the restricted subsidiaries) of Chesapeake Midstream Development, L.P. (CMD), itself a wholly owned subsidiary of Chesapeake, and bear interest at our option at either (i) the greater of the reference rate of Wells Fargo Bank, National Association, the federal funds effective rate plus 0.50%, and the one-month LIBOR plus 1.00%, all of which are subject to a margin that varies from 1.75% to 2.25% per annum according to the most recent leverage ratio described below or (ii) the LIBOR plus a margin that varies from 2.75% to 3.25% per annum according to the most recent leverage ratio. The unused portion of

the facility is subject to a commitment fee of 0.50% per annum according to the most recent leverage ratio. Interest is payable quarterly or, if LIBOR applies, it may be payable at more frequent intervals.

The

midstream credit facility agreement contains various covenants and restrictive provisions which limit the ability of CMD and its restricted subsidiaries to incur additional indebtedness, make investments or loans and create liens. The agreement requires maintenance of a leverage ratio based on the ratio of indebtedness to EBITDA and an interest coverage ratio based on the ratio of EBITDA to interest expense, in each case as defined in the agreement. The leverage ratio increases during any three-quarter period, beginning in the quarter in which CMD makes a material disposition of assets to our master limited partnership midstream affiliate, Chesapeake Midstream Partners, L.P. We were in compliance with all covenants under the agreement at September 30, 2010. If CMD or its restricted subsidiaries should fail to perform their obligations under these and other covenants, the revolving credit commitment could be terminated and any outstanding borrowings under the facility could be declared immediately due and payable. The midstream credit facility agreement also has cross default provisions that apply to other indebtedness CMD and its restricted subsidiaries may have with an outstanding principal amount in excess of \$15 million. Other

Financings

In 2009,

we financed 113 real estate surface assets in the Barnett Shale area for approximately \$145 million and entered into a 40-year master lease agreement under which we agreed to lease the sites for approximately \$15 million to \$27 million annually. This lease transaction was recorded as a financing lease and the cash received was recorded with an offsetting long-term liability on the condensed consolidated balance sheet. Chesapeake exercised its option to repurchase two of the assets in the Current Period. As of September 30, 2010, 111 assets were leased and the minimum aggregate undiscounted future lease payments were approximately \$832 million.

In 2009,

we financed our regional Barnett Shale headquarters building in Fort Worth, Texas for net proceeds of approximately \$54 million with a five-year term loan which has a floating rate of prime plus 275 basis points. At our option, we may prepay in full without penalty beginning in year four. The payment obligation is guaranteed by Chesapeake.

2011-05-31

6. Debt Our long-term debt consisted of the following at March 31, 2011 and December 31, 2010:





2017-11-30

ts under the Department and we were able to identify the following as of September 30, 2017 and December 31, 2016.

2018-05-31

DebtOur long-term debt consisted of the following as of March 31, 2018 and December 31, 2017: Ma

2018-08-31

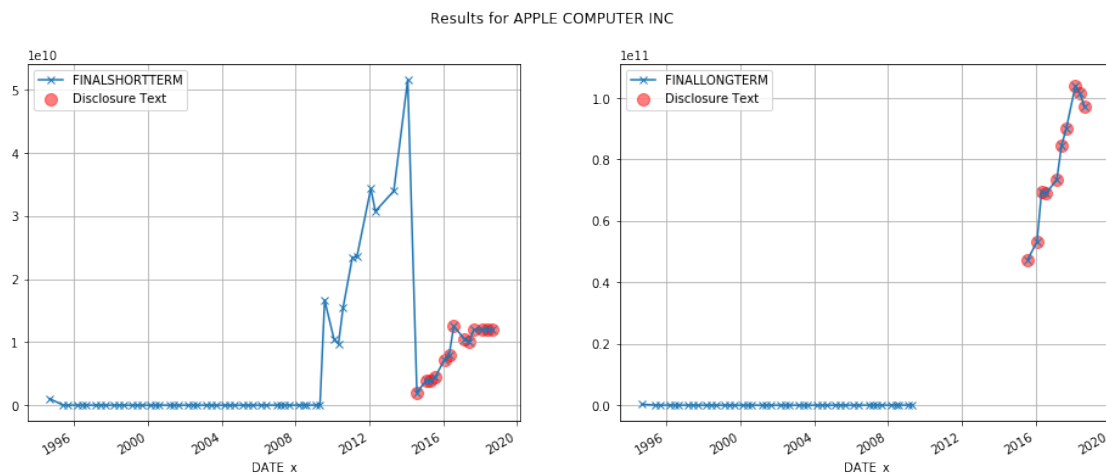
DebtOur long-term debt consisted of the following as of June 30, 2018 and December 31, 2017: Jun

2018-10-31

DebtOur long-term debt consisted of the following as of September 30, 2018 and December 31, 2017

## 1.8 Company 8 Apple Inc CIK = 0000320193

```
In [195]: joined = getJoinedData(debt, disclosures, 320193, fixScaling=True, threshold=1e7)
          makeCompanyDebtPlots(joined)
```



```
In [196]: viewFrame(joined)
```

```
Out[196]:
```

DATE	CIK	ACCOUNTSPAYABLEANDACCRUEDLIABILITIESCURRENT \
1994-08-31	320193000	1.041335e+09
1995-05-31	320193000	1.270000e+06
1995-08-31	320193000	1.438000e+06
1996-02-29	320193000	1.431000e+06
1996-05-31	320193000	1.304000e+06
1996-08-31	320193000	7.620000e+05
1997-02-28	320193000	8.380000e+05

1997-05-31	320193000	8.400000e+05
1997-08-31	320193000	1.093000e+06
1998-02-28	320193000	1.022000e+06
1998-05-31	320193000	7.000000e+03
1998-08-31	320193000	7.000000e+03
1999-02-28	320193000	9.200000e+04
1999-05-31	320193000	1.160000e+05
1999-08-31	320193000	1.160000e+05
2000-02-29	320193000	4.360000e+05
2000-05-31	320193000	3.680000e+05
2000-07-31	320193000	3.920000e+05
2001-02-28	320193000	7.360000e+05
2001-05-31	320193000	1.014000e+06
2001-08-31	320193000	8.590000e+05
2002-02-28	320193000	8.640000e+05
2002-05-31	320193000	9.970000e+05
2002-08-31	320193000	9.870000e+05
2003-02-28	320193000	8.590000e+05
2003-05-31	320193000	9.680000e+05
2003-08-31	320193000	9.870000e+05
2004-02-29	320193000	1.356000e+06
2004-05-31	320193000	1.216000e+06
2004-08-31	320193000	1.305000e+06
...	...	...
2007-05-31	320193000	3.030000e+06
2007-08-31	320193000	4.326000e+06
2008-02-29	320193000	6.844000e+06
2008-05-31	320193000	5.475000e+06
2008-07-31	320193000	4.816000e+06
2009-01-31	320193000	4.789000e+06
2009-04-30	320193000	3.976000e+06
2009-07-31	320193	NaN
2010-01-31	320193	1.050700e+10
2010-04-30	320193	9.687000e+09
2010-07-31	320193	1.544600e+10
2011-01-31	320193	2.343800e+10
2011-04-30	320193	2.348600e+10
2012-01-31	320193	3.432600e+10
2012-04-30	320193	3.073200e+10
2013-04-30	320193	3.394500e+10
2014-01-31	320193	5.155300e+10
2014-07-31	320193	4.157400e+10
2015-01-31	320193	7.220300e+10
2015-04-30	320193	5.788500e+10
2015-07-31	320193	6.064800e+10
2016-01-31	320193	5.734400e+10
2016-04-30	320193	4.830600e+10
2016-07-31	320193	4.713800e+10

2017-02-28	320193	6.224900e+10
2017-05-31	320193	5.166900e+10
2017-08-31	320193	5.521900e+10
2018-02-28	320193	8.926600e+10
2018-05-31	320193	6.106700e+10
2018-08-31	320193	6.367300e+10

DATE	ACCOUNTSPAYABLECURRENT	ACCRUEDLIABILITIESCURRENT \
1994-08-31	6.960320e+08	NaN
1995-05-31	8.540000e+05	NaN
1995-08-31	1.048000e+06	NaN
1996-02-29	1.431000e+06	NaN
1996-05-31	8.170000e+05	NaN
1996-08-31	7.620000e+05	NaN
1997-02-28	8.200000e+05	NaN
1997-05-31	8.400000e+05	NaN
1997-08-31	8.120000e+05	NaN
1998-02-28	6.550000e+05	NaN
1998-05-31	5.000000e+03	NaN
1998-08-31	5.000000e+03	NaN
1999-02-28	6.400000e+04	NaN
1999-05-31	7.200000e+04	NaN
1999-08-31	7.300000e+04	NaN
2000-02-29	3.620000e+05	NaN
2000-05-31	2.990000e+05	NaN
2000-07-31	2.280000e+05	NaN
2001-02-28	5.200000e+05	NaN
2001-05-31	9.610000e+05	NaN
2001-08-31	8.470000e+05	NaN
2002-02-28	8.300000e+05	NaN
2002-05-31	9.870000e+05	NaN
2002-08-31	9.040000e+05	NaN
2003-02-28	8.170000e+05	NaN
2003-05-31	9.210000e+05	NaN
2003-08-31	8.800000e+05	NaN
2004-02-29	1.085000e+06	NaN
2004-05-31	9.910000e+05	NaN
2004-08-31	1.061000e+06	NaN
...	...	...
2007-05-31	2.403000e+06	NaN
2007-08-31	3.660000e+06	NaN
2008-02-29	5.366000e+06	NaN
2008-05-31	4.154000e+06	NaN
2008-07-31	3.683000e+06	NaN
2009-01-31	4.715000e+06	NaN
2009-04-30	3.976000e+06	NaN
2009-07-31	NaN	NaN

2010-01-31	6.511000e+09	3.996000e+09
2010-04-30	5.666000e+09	4.021000e+09
2010-07-31	8.469000e+09	4.452000e+09
2011-01-31	1.430100e+10	5.953000e+09
2011-04-30	1.371400e+10	7.022000e+09
2012-01-31	1.822100e+10	1.150000e+10
2012-04-30	1.701100e+10	9.778000e+09
2013-04-30	1.491200e+10	1.333100e+10
2014-01-31	2.958800e+10	1.582400e+10
2014-07-31	2.053500e+10	1.526400e+10
2015-01-31	3.800100e+10	2.272400e+10
2015-04-30	2.315900e+10	2.282700e+10
2015-07-31	2.647400e+10	2.272400e+10
2016-01-31	3.331200e+10	2.403200e+10
2016-04-30	2.509800e+10	2.320800e+10
2016-07-31	2.631800e+10	2.082000e+10
2017-02-28	3.851000e+10	2.373900e+10
2017-05-31	2.857300e+10	2.309600e+10
2017-08-31	3.191500e+10	2.330400e+10
2018-02-28	6.298500e+10	2.628100e+10
2018-05-31	3.431100e+10	2.675600e+10
2018-08-31	3.848900e+10	2.518400e+10

DATE	COMMERCIALPAPER	DEBTCURRENT	EXTRACTCODE	FINALLONGTERM \
1994-08-31	NaN	NaN	TEXT	3.048150e+08
1995-05-31	NaN	6.270000e+05	TEXT	3.040000e+05
1995-08-31	NaN	4.060000e+05	TEXT	3.030000e+05
1996-02-29	NaN	4.980000e+05	TEXT	3.040000e+05
1996-05-31	NaN	3.520000e+05	TEXT	3.030000e+05
1996-08-31	NaN	1.870000e+05	TEXT	9.490000e+05
1997-02-28	NaN	NaN	TEXT	9.500000e+05
1997-05-31	NaN	NaN	TEXT	9.520000e+05
1997-08-31	NaN	NaN	TEXT	9.510000e+05
1998-02-28	NaN	NaN	TEXT	9.520000e+05
1998-05-31	NaN	2.300000e+04	TEXT	9.000000e+03
1998-08-31	NaN	NaN	TEXT	9.000000e+03
1999-02-28	NaN	NaN	TEXT	9.540000e+05
1999-05-31	NaN	NaN	TEXT	9.000000e+03
1999-08-31	NaN	NaN	TEXT	3.000000e+03
2000-02-29	NaN	NaN	TEXT	3.000000e+05
2000-05-31	NaN	NaN	TEXT	3.000000e+05
2000-07-31	NaN	NaN	TEXT	3.000000e+05
2001-02-28	NaN	NaN	TEXT	3.110000e+05
2001-05-31	NaN	NaN	HTML	3.170000e+05
2001-08-31	NaN	NaN	HTML	3.170000e+05
2002-02-28	NaN	NaN	HTML	3.150000e+05
2002-05-31	NaN	NaN	HTML	3.110000e+05

2002-08-31	NaN	NaN	HTML	3.160000e+05
2003-02-28	NaN	NaN	HTML	2.153000e+06
2003-05-31	NaN	3.100000e+05	HTML	3.160000e+05
2003-08-31	NaN	3.070000e+05	HTML	3.160000e+05
2004-02-29	NaN	3.020000e+05	HTML	2.382000e+06
2004-05-31	NaN	3.040000e+05	HTML	1.980000e+06
2004-08-31	NaN	3.040000e+05	HTML	2.155000e+06
...	...	...	...	...
2007-05-31	NaN	NaN	HTML	6.434000e+06
2007-08-31	NaN	NaN	HTML	8.226000e+06
2008-02-29	NaN	NaN	HTML	1.250800e+07
2008-05-31	NaN	NaN	HTML	1.171800e+07
2008-07-31	NaN	NaN	HTML	1.136000e+07
2009-01-31	NaN	NaN	HTML	1.819700e+07
2009-04-30	NaN	NaN	HTML	1.721100e+07
2009-07-31	NaN	NaN	XBRL	NaN
2010-01-31	NaN	NaN	XBRL	NaN
2010-04-30	NaN	NaN	XBRL	NaN
2010-07-31	NaN	NaN	XBRL	NaN
2011-01-31	NaN	NaN	XBRL	NaN
2011-04-30	NaN	NaN	XBRL	NaN
2012-01-31	NaN	NaN	XBRL	NaN
2012-04-30	NaN	NaN	XBRL	NaN
2013-04-30	NaN	NaN	XBRL	NaN
2014-01-31	NaN	NaN	XBRL	NaN
2014-07-31	2.010000e+09	2.010000e+09	XBRL	NaN
2015-01-31	3.899000e+09	3.899000e+09	XBRL	NaN
2015-04-30	3.799000e+09	3.799000e+09	XBRL	NaN
2015-07-31	4.499000e+09	6.999000e+09	XBRL	4.741900e+10
2016-01-31	7.259000e+09	9.759000e+09	XBRL	5.320400e+10
2016-04-30	7.998000e+09	1.049800e+10	XBRL	6.937400e+10
2016-07-31	1.249600e+10	1.599600e+10	XBRL	6.893900e+10
2017-02-28	1.049300e+10	1.399200e+10	XBRL	7.355700e+10
2017-05-31	1.000000e+10	1.399900e+10	XBRL	8.453100e+10
2017-08-31	1.198000e+10	1.847500e+10	XBRL	8.986400e+10
2018-02-28	1.198000e+10	1.847800e+10	XBRL	1.039220e+11
2018-05-31	1.198000e+10	2.047800e+10	XBRL	1.013620e+11
2018-08-31	1.197400e+10	1.747200e+10	XBRL	9.712800e+10

DATE	FINALSHORTTERM	LIABILITIESCURRENT	LIABILITIESNONCURRENT \
1994-08-31	1.041335e+09	1.917487e+09	NaN
1995-05-31	6.270000e+05	2.243000e+06	NaN
1995-08-31	4.060000e+05	2.178000e+06	NaN
1996-02-29	4.980000e+05	2.705000e+06	NaN
1996-05-31	3.520000e+05	2.273000e+06	NaN
1996-08-31	1.870000e+05	1.926000e+06	NaN
1997-02-28	8.380000e+05	2.044000e+06	NaN

1997-05-31	8.400000e+05	2.011000e+06	NaN
1997-08-31	1.093000e+06	1.910000e+06	NaN
1998-02-28	1.022000e+06	1.669000e+06	NaN
1998-05-31	2.300000e+04	1.000000e+03	NaN
1998-08-31	7.000000e+03	1.000000e+03	NaN
1999-02-28	9.200000e+04	1.000000e+03	2000.0
1999-05-31	1.160000e+05	1.000000e+03	2000.0
1999-08-31	1.160000e+05	1.000000e+03	2000.0
2000-02-29	4.360000e+05	1.965000e+06	3172000.0
2000-05-31	3.680000e+05	1.853000e+06	2792000.0
2000-07-31	3.920000e+05	1.873000e+06	2756000.0
2001-02-28	7.360000e+05	1.637000e+06	2274000.0
2001-05-31	1.014000e+06	1.795000e+06	2392000.0
2001-08-31	8.590000e+05	1.614000e+06	2213000.0
2002-02-28	8.640000e+05	1.579000e+06	2156000.0
2002-05-31	9.970000e+05	1.709000e+06	2250000.0
2002-08-31	9.870000e+05	1.718000e+06	2227000.0
2003-02-28	8.590000e+05	1.595000e+06	2153000.0
2003-05-31	3.100000e+05	2.007000e+06	2222000.0
2003-08-31	3.070000e+05	2.025000e+06	2243000.0
2004-02-29	3.020000e+05	2.382000e+06	2641000.0
2004-05-31	3.040000e+05	1.980000e+06	2245000.0
2004-08-31	3.040000e+05	2.155000e+06	2411000.0
...	...	...	...
2007-05-31	3.030000e+06	9.650000e+05	6450000.0
2007-08-31	4.326000e+06	1.251000e+06	8243000.0
2008-02-29	6.844000e+06	2.700000e+06	13235000.0
2008-05-31	5.475000e+06	2.784000e+06	12418000.0
2008-07-31	4.816000e+06	2.869000e+06	12087000.0
2009-01-31	4.789000e+06	1.475700e+07	19878000.0
2009-04-30	3.976000e+06	1.375100e+07	18926000.0
2009-07-31	1.666100e+10	1.666100e+10	NaN
2010-01-31	1.050700e+10	1.309700e+10	NaN
2010-04-30	9.687000e+09	1.222900e+10	NaN
2010-07-31	1.544600e+10	1.561200e+10	NaN
2011-01-31	2.343800e+10	2.379500e+10	NaN
2011-04-30	2.348600e+10	2.432700e+10	NaN
2012-01-31	3.432600e+10	3.460700e+10	NaN
2012-04-30	3.073200e+10	3.203600e+10	NaN
2013-04-30	3.394500e+10	3.550800e+10	NaN
2014-01-31	5.155300e+10	5.376900e+10	NaN
2014-07-31	2.010000e+09	4.620500e+10	NaN
2015-01-31	3.899000e+09	7.361100e+10	NaN
2015-04-30	3.799000e+09	5.872900e+10	NaN
2015-07-31	4.499000e+09	6.528500e+10	NaN
2016-01-31	7.259000e+09	7.609200e+10	NaN
2016-04-30	7.998000e+09	6.826500e+10	NaN
2016-07-31	1.249600e+10	7.148600e+10	NaN

2017-02-28	1.049300e+10	8.413000e+10	NaN
2017-05-31	1.000000e+10	7.334200e+10	NaN
2017-08-31	1.198000e+10	8.130200e+10	NaN
2018-02-28	1.198000e+10	1.157880e+11	NaN
2018-05-31	1.198000e+10	8.932000e+10	NaN
2018-08-31	1.197400e+10	8.854800e+10	NaN

# LIABILITIESOTHERTHANLONGTERMDEBTNONCURRENT \

## DATE

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1995-05-31	NaN
1995-08-31	NaN
1996-02-29	NaN
1996-05-31	NaN
1996-08-31	NaN
1997-02-28	NaN
1997-05-31	NaN
1997-08-31	NaN
1998-02-28	NaN
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2001-02-28	NaN
2001-05-31	NaN
2001-08-31	NaN
2002-02-28	NaN
2002-05-31	NaN
2002-08-31	NaN
2003-02-28	NaN
2003-05-31	NaN
2003-08-31	218000.0
2004-02-29	259000.0
2004-05-31	265000.0
2004-08-31	256000.0
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2007-05-31	16000.0
2007-08-31	17000.0
2008-02-29	727000.0
2008-05-31	700000.0
2008-07-31	727000.0
2009-01-31	1681000.0
2009-04-30	1715000.0
2009-07-31	NaN



2010-01-31	NaN
2010-04-30	NaN
2010-07-31	NaN
2011-01-31	NaN
2011-04-30	NaN
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2014-01-31	NaN
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2016-01-31	NaN
2016-04-30	NaN
2016-07-31	NaN
2017-02-28	NaN
2017-05-31	NaN
2017-08-31	NaN
2018-02-28	NaN
2018-05-31	NaN
2018-08-31	NaN

LONGTERMDEBTANDCAPITALLEASEOBLIGATIONSCURRENT \

DATE	
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1995-05-31	NaN
1995-08-31	NaN
1996-02-29	NaN
1996-05-31	NaN
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1997-02-28	NaN
1997-05-31	NaN
1997-08-31	NaN
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2000-02-29	NaN
2000-05-31	NaN
2000-07-31	NaN
2001-02-28	NaN
2001-05-31	NaN
2001-08-31	NaN
2002-02-28	NaN
2002-05-31	NaN

2002-08-31	NaN
2003-02-28	NaN
2003-05-31	NaN
2003-08-31	NaN
2004-02-29	NaN
2004-05-31	3.000000e+05
2004-08-31	3.000000e+05
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2012-01-31	NaN
2012-04-30	NaN
2013-04-30	NaN
2014-01-31	NaN
2014-07-31	NaN
2015-01-31	NaN
2015-04-30	NaN
2015-07-31	2.500000e+09
2016-01-31	2.500000e+09
2016-04-30	2.500000e+09
2016-07-31	3.500000e+09
2017-02-28	3.499000e+09
2017-05-31	3.999000e+09
2017-08-31	6.495000e+09
2018-02-28	6.498000e+09
2018-05-31	8.498000e+09
2018-08-31	5.498000e+09

DATE	LONGTERMDEBTCURRENT	LONGTERMDEBTNONCURRENT	NAME \
1994-08-31	NaN	3.048150e+08	APPLE COMPUTER INC
1995-05-31	NaN	3.040000e+05	APPLE COMPUTER INC
1995-08-31	NaN	3.030000e+05	APPLE COMPUTER INC
1996-02-29	NaN	3.040000e+05	APPLE COMPUTER INC
1996-05-31	NaN	3.030000e+05	APPLE COMPUTER INC
1996-08-31	NaN	9.490000e+05	APPLE COMPUTER INC
1997-02-28	NaN	9.500000e+05	APPLE COMPUTER INC

1997-05-31	NaN	9.520000e+05	APPLE COMPUTER INC
1997-08-31	NaN	9.510000e+05	APPLE COMPUTER INC
1998-02-28	NaN	9.520000e+05	APPLE COMPUTER INC
1998-05-31	2.300000e+04	9.000000e+03	APPLE COMPUTER INC
1998-08-31	NaN	9.000000e+03	APPLE COMPUTER INC
1999-02-28	NaN	9.540000e+05	APPLE COMPUTER INC
1999-05-31	NaN	9.000000e+03	APPLE COMPUTER INC
1999-08-31	NaN	3.000000e+03	APPLE COMPUTER INC
2000-02-29	NaN	3.000000e+05	APPLE COMPUTER INC
2000-05-31	NaN	3.000000e+05	APPLE COMPUTER INC
2000-07-31	NaN	3.000000e+05	APPLE COMPUTER INC
2001-02-28	NaN	3.110000e+05	APPLE COMPUTER INC
2001-05-31	NaN	3.170000e+05	APPLE COMPUTER INC
2001-08-31	NaN	3.170000e+05	APPLE COMPUTER INC
2002-02-28	NaN	3.150000e+05	APPLE COMPUTER INC
2002-05-31	NaN	3.110000e+05	APPLE COMPUTER INC
2002-08-31	NaN	3.160000e+05	APPLE COMPUTER INC
2003-02-28	NaN	NaN	APPLE COMPUTER INC
2003-05-31	NaN	3.160000e+05	APPLE COMPUTER INC
2003-08-31	NaN	3.160000e+05	APPLE COMPUTER INC
2004-02-29	NaN	NaN	APPLE COMPUTER INC
2004-05-31	3.000000e+05	NaN	APPLE COMPUTER INC
2004-08-31	3.000000e+05	NaN	APPLE COMPUTER INC
...	...	...	...
2007-05-31	NaN	NaN	APPLE INC
2007-08-31	NaN	NaN	APPLE INC
2008-02-29	NaN	NaN	APPLE INC
2008-05-31	NaN	NaN	APPLE INC
2008-07-31	NaN	NaN	APPLE INC
2009-01-31	NaN	NaN	APPLE INC
2009-04-30	NaN	NaN	APPLE INC
2009-07-31	NaN	NaN	APPLE INC
2010-01-31	NaN	NaN	APPLE INC
2010-04-30	NaN	NaN	APPLE INC
2010-07-31	NaN	NaN	APPLE INC
2011-01-31	NaN	NaN	APPLE INC
2011-04-30	NaN	NaN	APPLE INC
2012-01-31	NaN	NaN	APPLE INC
2012-04-30	NaN	NaN	APPLE INC
2013-04-30	NaN	NaN	APPLE INC
2014-01-31	NaN	NaN	APPLE INC
2014-07-31	NaN	NaN	APPLE INC
2015-01-31	NaN	NaN	APPLE INC
2015-04-30	NaN	NaN	APPLE INC
2015-07-31	2.500000e+09	4.741900e+10	APPLE INC
2016-01-31	2.500000e+09	5.320400e+10	APPLE INC
2016-04-30	2.500000e+09	6.937400e+10	APPLE INC
2016-07-31	3.500000e+09	6.893900e+10	APPLE INC

2017-02-28	3.499000e+09	7.355700e+10	APPLE INC
2017-05-31	3.999000e+09	8.453100e+10	APPLE INC
2017-08-31	6.495000e+09	8.986400e+10	APPLE INC
2018-02-28	6.498000e+09	1.039220e+11	APPLE INC
2018-05-31	8.498000e+09	1.013620e+11	APPLE INC
2018-08-31	5.498000e+09	9.712800e+10	APPLE INC

DATE	NOTESANDLOANSPAYABLECURRENT	NOTESPAYABLECURRENT \
1994-08-31	NaN	NaN
1995-05-31	NaN	NaN
1995-08-31	NaN	NaN
1996-02-29	NaN	NaN
1996-05-31	NaN	NaN
1996-08-31	NaN	NaN
1997-02-28	NaN	NaN
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1998-02-28	NaN	NaN
1998-05-31	23000.0	23000.0
1998-08-31	NaN	NaN
1999-02-28	NaN	NaN
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1999-08-31	NaN	NaN
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2003-08-31	NaN	NaN
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...	...	...
2007-05-31	NaN	NaN
2007-08-31	NaN	NaN
2008-02-29	NaN	NaN
2008-05-31	NaN	NaN
2008-07-31	NaN	NaN
2009-01-31	NaN	NaN
2009-04-30	NaN	NaN
2009-07-31	NaN	NaN

2010-01-31	NaN	NaN
2010-04-30	NaN	NaN
2010-07-31	NaN	NaN
2011-01-31	NaN	NaN
2011-04-30	NaN	NaN
2012-01-31	NaN	NaN
2012-04-30	NaN	NaN
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2014-07-31	NaN	NaN
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2015-07-31	NaN	NaN
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2016-04-30	NaN	NaN
2016-07-31	NaN	NaN
2017-02-28	NaN	NaN
2017-05-31	NaN	NaN
2017-08-31	NaN	NaN
2018-02-28	NaN	NaN
2018-05-31	NaN	NaN
2018-08-31	NaN	NaN

DATE	NOTES PAYABLE TO BANK CURRENT	OTHER ACCRUED LIABILITIES CURRENT \
1994-08-31	NaN	3.453030e+08
1995-05-31	NaN	4.160000e+05
1995-08-31	NaN	3.900000e+05
1996-02-29	NaN	NaN
1996-05-31	NaN	4.870000e+05
1996-08-31	NaN	NaN
1997-02-28	NaN	1.800000e+04
1997-05-31	NaN	NaN
1997-08-31	NaN	2.810000e+05
1998-02-28	NaN	3.670000e+05
1998-05-31	23000.0	2.000000e+03
1998-08-31	NaN	2.000000e+03
1999-02-28	NaN	2.800000e+04
1999-05-31	NaN	4.400000e+04
1999-08-31	NaN	4.300000e+04
2000-02-29	NaN	7.400000e+04
2000-05-31	NaN	6.900000e+04
2000-07-31	NaN	1.640000e+05
2001-02-28	NaN	2.160000e+05
2001-05-31	NaN	5.300000e+04
2001-08-31	NaN	1.200000e+04
2002-02-28	NaN	3.400000e+04
2002-05-31	NaN	1.000000e+04

2002-08-31	NaN	8.300000e+04
2003-02-28	NaN	4.200000e+04
2003-05-31	NaN	4.700000e+04
2003-08-31	NaN	1.070000e+05
2004-02-29	NaN	2.710000e+05
2004-05-31	NaN	2.250000e+05
2004-08-31	NaN	2.440000e+05
...	...	...
2007-05-31	NaN	6.270000e+05
2007-08-31	NaN	6.660000e+05
2008-02-29	NaN	1.478000e+06
2008-05-31	NaN	1.321000e+06
2008-07-31	NaN	1.133000e+06
2009-01-31	NaN	7.400000e+04
2009-04-30	NaN	NaN
2009-07-31	NaN	NaN
2010-01-31	NaN	NaN
2010-04-30	NaN	NaN
2010-07-31	NaN	2.525000e+09
2011-01-31	NaN	3.184000e+09
2011-04-30	NaN	2.750000e+09
2012-01-31	NaN	4.605000e+09
2012-04-30	NaN	3.943000e+09
2013-04-30	NaN	5.702000e+09
2014-01-31	NaN	6.141000e+09
2014-07-31	NaN	5.775000e+09
2015-01-31	NaN	1.147800e+10
2015-04-30	NaN	1.189900e+10
2015-07-31	NaN	1.145000e+10
2016-01-31	NaN	NaN
2016-04-30	NaN	NaN
2016-07-31	NaN	NaN
2017-02-28	NaN	NaN
2017-05-31	NaN	NaN
2017-08-31	NaN	NaN
2018-02-28	NaN	NaN
2018-05-31	NaN	NaN
2018-08-31	NaN	NaN

# SHORTTERMBORROWINGS \

DATE

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1995-08-31	4.060000e+05
1996-02-29	4.980000e+05
1996-05-31	3.520000e+05
1996-08-31	1.870000e+05
1997-02-28	NaN

1997-05-31	NaN
1997-08-31	NaN
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1998-05-31	NaN
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2000-02-29	NaN
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2015-04-30	3.799000e+09
2015-07-31	4.499000e+09
2016-01-31	7.259000e+09
2016-04-30	7.998000e+09
2016-07-31	1.249600e+10

2017-02-28	1.049300e+10
2017-05-31	1.000000e+10
2017-08-31	1.198000e+10
2018-02-28	1.198000e+10
2018-05-31	1.198000e+10
2018-08-31	1.197400e+10

DATE	TEXT
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1995-08-31	NaN
1996-02-29	NaN
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1997-08-31	NaN
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2007-05-31	NaN
2007-08-31	NaN
2008-02-29	NaN
2008-05-31	NaN
2008-07-31	NaN
2009-01-31	NaN
2009-04-30	NaN
2009-07-31	NaN



2010-01-31	NaN
2010-04-30	NaN
2010-07-31	NaN
2011-01-31	NaN
2011-04-30	NaN
2012-01-31	NaN
2012-04-30	NaN
2013-04-30	NaN
2014-01-31	NaN
2014-07-31	\nNote 6 Debt\nCommercial Paper In April 201...
2015-01-31	Note 6 Debt Commercial Paper\nIn April 2014...
2015-04-30	Note 6 Debt Commercial Paper\nIn 2014, the ...
2015-07-31	Note 6 Debt Commercial Paper\nIn 2014, the ...
2016-01-31	Note 6 Debt Commercial Paper\nThe Company i...
2016-04-30	Note 6 Debt Commercial Paper\nThe Company i...
2016-07-31	DebtCommercial PaperThe Company issues unsecur...
2017-02-28	DebtCommercial PaperThe Company issues unsecur...
2017-05-31	DebtCommercial PaperThe Company issues unsecur...
2017-08-31	DebtCommercial PaperThe Company issues unsecur...
2018-02-28	DebtCommercial PaperThe Company issues unsecur...
2018-05-31	DebtCommercial PaperThe Company issues unsecur...
2018-08-31	DebtCommercial PaperThe Company issues unsecur...

[67 rows x 22 columns]

In [197]: viewDisclosure(joined)

2014-07-31

Note 6 Debt

Commercial Paper In April 2014, the Board of Directors authorized the Company to issue unsecured Long-Term Debt In the third quarter of 2014 and 2013, the Company issued \$12.0 billion and \$17.0 billion. The following table provides a summary of the Companys long-term debt as of June 28, 2014 and September 28, 2013 (in millions)

Effective	Interest Rate	Amount
(in millions)	Effective	
Interest Rate	Floating-rate notes due 2016	\$ 1,000
0.51%		\$ 1,000
0.51%	Floating-rate notes due 2017	1,000
0.29%		0
	Floating-rate notes due 2018	2,000
		1,100
		(40)
	Hedge accounting fair value adjustments	83
	Total	\$ 29,030
		\$ 16,960

The Company has entered, and may enter in the future, into interest rate swaps to manage its interest rate risk. As of June 28, 2014 and September 28, 2013, the fair value of the Companys Notes, based on the closing price of the Notes on the date of valuation, was \$0.0 million and \$0.0 million, respectively.

2015-01-31

Note 6 Debt Commercial Paper

In April 2014, the Board of Directors authorized the Company to issue unsecured short-term promissory notes. The following table provides a summary of cash flows associated with the issuance and maturities of the notes.

62 Maturities greater than 90 days: Proceeds from commercial paper 197 Repayments of commercial paper

) Maturities greater than 90 days, net (2,471)

) Total repayments of commercial paper, net \$

(2,409)

) Long-Term Debt

As of December 27, 2014, the Company has issued floating- and fixed-rate notes with varying maturities.

The following table provides a summary of the Company's long-term debt as of December 27, 2014 and September 27, 2014.

Interest Rate Amount (in millions) Effective

Interest Rate Floating-rate notes due 2016 (1) \$

1,000 0.51% \$

1,000 0.51% Floating-rate notes due 2017 (2) 1,000 0.30% 1,000 0.31% Floating-rate notes due 2018

) (52)

) Hedge accounting fair value adjustments 155 39 Total long-term debt \$

32,504 \$

28,987 (1) Tranche relates to the \$17.0 billion debt issuance in the third quarter of 2013. (2)

In the first quarter of 2015, the Company issued 2.8 billion of Euro-denominated long-term debt.

The effective rates for the Notes include the interest on the Notes, amortization of the discount, and the effect of the hedge accounting.

0 2016 2,500 2017 2,500 2018 6,000 2019 3,000 Thereafter 18,418 Total future principal payments

32,418 As of December 27, 2014 and September 27, 2014, the fair value of the Company's Notes, based on the closing bid price of the Company's common stock, was \$32.4 billion.

2015-04-30

Note 6 Debt Commercial Paper

In 2014, the Board of Directors authorized the Company to issue unsecured short-term promissory notes. The following table provides a summary of cash flows associated with the issuance and maturities of the notes.

985 Maturities greater than 90 days: Proceeds from commercial paper 547 Repayments of commercial paper

) Maturities greater than 90 days, net (3,493)

) Total repayments of commercial paper, net \$

(2,508)

) Long-Term Debt

As of March 28, 2015, the Company has outstanding floating- and fixed-rate notes with varying maturities.

Interest Rate Amount (in millions) Effective

Interest Rate Floating-rate notes due 2016 (1) \$

1,000 0.51% \$

1,000 0.51% Floating-rate notes due 2017 (2) 1,000 0.33% 1,000 0.31% Floating-rate notes due 2018

) (52)

) Hedge accounting fair value adjustments 277 39 Total long-term debt \$

40,072 \$

28,987 (1) Tranche relates to the \$17.0 billion debt issuance in the third quarter of 2013. (2)

Future principal payments for the Company's Notes as of March 28, 2015 are as follows (in millions):

0 2016 2,500 2017 2,500 2018 6,000 2019 3,000 Thereafter 25,875 Total future principal payments

39,875 As of March 28, 2015 and September 27, 2014, the fair value of the Company's Notes, based on the closing bid price of the Company's common stock, was \$39.9 billion.

2015-07-31

Note 6 Debt Commercial Paper

In 2014, the Board of Directors authorized the Company to issue unsecured short-term promissory notes. The following table provides a summary of cash flows associated with the issuance and maturities of these notes.

579 Maturities greater than 90 days: Proceeds from commercial paper 2,601 Repayments of commercial paper (2,387)

) Maturities greater than 90 days, net (2,387)

) Total change in commercial paper, net \$

(1,808)

) Long-Term Debt

As of June 27, 2015, the Company has outstanding floating- and fixed-rate notes with varying maturities.

Interest Rate Amount (in millions) Effective

Interest Rate 2013 debt issuance of \$17.0 billion: Floating-rate notes 2016 - 2018 \$

3,000 0.51% - 1.10% \$

3,000 0.51% - 1.10% Fixed-rate 0.45% - 3.85% notes 2016 - 2043 14,000 0.51% - 3.91% 14,000 0.51%

) (52)

) Hedge accounting fair value adjustments 24 39 Less: Current portion of long-term debt (2,500)

) 0 Total long-term debt \$

47,419 \$

28,987 To manage foreign currency risk associated with the euro-denominated notes issued in the second quarter of 2014.

To manage interest rate risk on the U.S. dollar-denominated fixed-rate notes issued in the second quarter of 2014.

For further discussion regarding the Companys use of derivative instruments see the Derivative Financial Instruments section of the 2015 Form 10-K.

The effective interest rates for the Notes include the interest on the Notes, amortization of the premium on the Notes, and the interest on the interest.

Future principal payments for the Companys Notes as of June 27, 2015 are as follows (in millions):

0 2016 2,500 2017 3,500 2018 6,000 2019 3,000 Thereafter 34,992 Total future principal payments 49,992

49,992 As of June 27, 2015 and September 27, 2014, the fair value of the Companys Notes, based on the closing bid price of the Notes, was \$47.4 million and \$47.4 million, respectively.

2016-01-31

Note 6 Debt Commercial Paper

The Company issues unsecured short-term promissory notes (Commercial Paper) pursuant to a commercial paper program.

The following table provides a summary of cash flows associated with the issuance and maturities of these notes.

(393)

) \$

62 Maturities greater than 90 days: Proceeds from commercial paper 492 197 Repayments of commercial paper (2,668)

) (2,668)

) Proceeds from (repayments of) commercial paper, net (847)

) (2,471)

) Total change in commercial paper, net \$

(1,240)

) \$

(2,409)

) Long-Term Debt

As of December 26, 2015, the Company had outstanding floating- and fixed-rate notes with varying maturities.

Interest Rate Amount (in millions) Effective

Interest Rate 2013 debt issuance of \$17.0 billion: Floating-rate notes 2016 - 2018 \$

3,000 0.51% - 1.10% \$

3,000 0.51% - 1.10% Fixed-rate 0.45% - 3.85% notes 2016 - 2043 14,000 0.51% - 3.91% 14,000 0.51%

) (114)

) Hedge accounting fair value adjustments 265 376 Less: Current portion of long-term debt (2,500)

) (2,500

) Total long-term debt \$

53,204 \$

53,463 As of December 26, 2015, ¥118.0 billion of Japanese yen-denominated notes was designated  
The effective interest rates for the Notes include the interest on the Notes, amortization of th  
As of December 26, 2015 and September 26, 2015, the fair value of the Companys Notes, based on L

2016-04-30

Note 6 Debt Commercial Paper

The Company issues unsecured short-term promissory notes (Commercial Paper) pursuant to a commer  
The following table provides a summary of cash flows associated with the issuance and maturities  
2016 March 28,

2015 Maturities less than 90 days: Proceeds from (repayments of) commercial paper, net \$  
660 \$

985 Maturities greater than 90 days: Proceeds from commercial paper 669 547 Repayments of commer

) (4,040

) Proceeds from (repayments of) commercial paper, net (1,163

) (3,493

) Total change in commercial paper, net \$

(503

) \$

(2,508

) Long-Term Debt

As of March 26, 2016, the Company had outstanding floating- and fixed-rate notes with varying ma  
Interest Rate Amount (in millions) Effective

Interest Rate 2013 debt issuance of \$17.0 billion: Floating-rate notes 2016 - 2018 \$

3,000 0.51% - 1.10% \$

3,000 0.51% - 1.10% Fixed-rate 0.45% - 3.85% notes 2016 - 2043 14,000 0.51% - 3.91% 14,000 0.51%

) Hedge accounting fair value adjustments 515 376 Less: Current portion of long-term debt (2,500

) (2,500

) Total long-term debt \$

69,374 \$

53,463 During the second quarter of 2016, the Company issued \$15.5 billion U.S. dollar-denominat  
As of March 26, 2016, ¥149.3 billion of Japanese yen-denominated notes was designated as a hedge  
The effective interest rates for the Notes include the interest on the Notes, amortization of th  
As of March 26, 2016 and September 26, 2015, the fair value of the Companys Notes, based on Leve

2016-07-31

DebtCommercial PaperThe Company issues unsecured short-term promissory notes (Commercial Paper)

2017-02-28

DebtCommercial PaperThe Company issues unsecured short-term promissory notes (Commercial Paper)

2017-05-31

DebtCommercial PaperThe Company issues unsecured short-term promissory notes (Commercial Paper)

2017-08-31

DebtCommercial PaperThe Company issues unsecured short-term promissory notes (Commercial Paper)

2018-02-28

DebtCommercial PaperThe Company issues unsecured short-term promissory notes (Commercial Paper)

2018-05-31

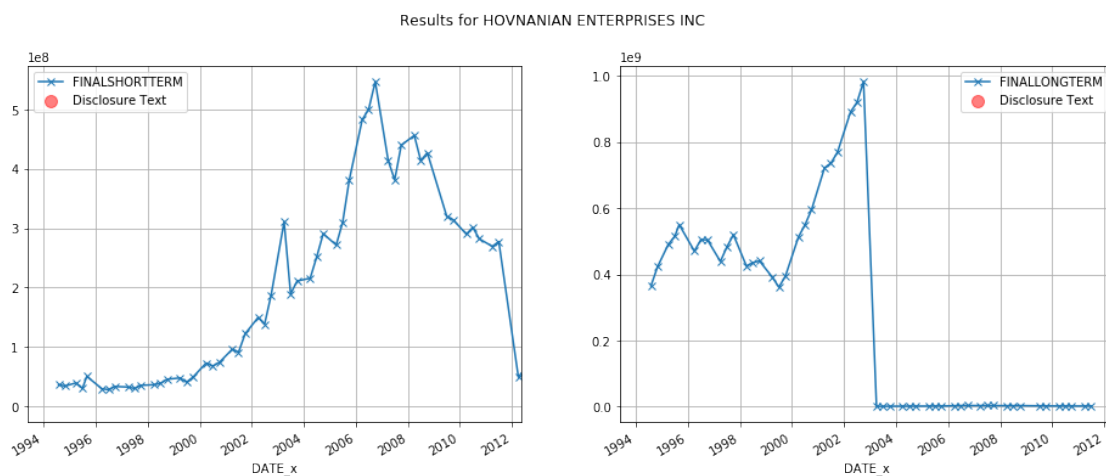
DebtCommercial PaperThe Company issues unsecured short-term promissory notes (Commercial Paper)

2018-08-31

DebtCommercial PaperThe Company issues unsecured short-term promissory notes (Commercial Paper)

## 1.9 Company 9 Hovnanian Enterprises Inc CIK = 0000357294

```
In [198]: joined = getJoinedData(debt, disclosures, 357294, fixScaling=True, scaleBy=1e3)
          makeCompanyDebtPlots(joined)
```

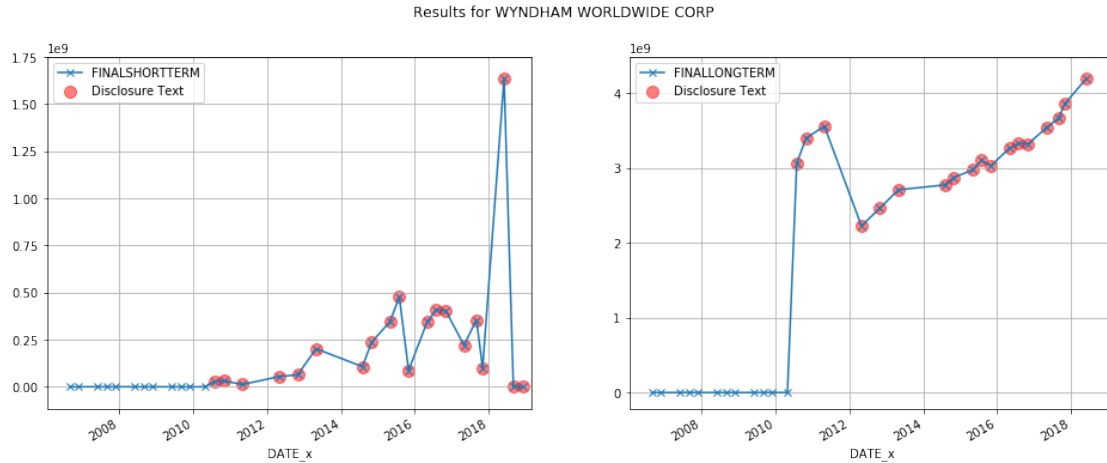


```
In [201]: viewFrame(joined)
```

```
In [202]: viewDisclosure(joined)
```

## 1.10 Company 10 Wyndham Destinations, Inc CIK = 1361658

```
In [205]: joined = getJoinedData(debt, disclosures, 1361658)
          makeCompanyDebtPlots(joined)
```



```
In [206]: viewFrame(joined)
```

```
Out[206]:
```

DATE	CIK	ACCOUNTSPAYABLEANDACCRUEDLIABILITIESCURRENT \
2006-08-31	1361658	79.0
2006-11-30	1361658	242.0
2007-05-31	1361658	135.0
2007-08-31	1361658	55.0
2007-11-30	1361658	118.0
2008-05-31	1361658	69.0
2008-08-31	1361658	1.0
2008-11-30	1361658	55.0
2009-05-31	1361658	112.0
2009-08-31	1361658	4.0
2009-11-30	1361658	58.0
2010-04-30	1361658	121.0
2010-07-31	1361658	332000000.0
2010-10-31	1361658	215000000.0
2011-04-30	1361658	493000000.0
2012-04-30	1361658	460000000.0
2012-10-31	1361658	272000000.0
2013-04-30	1361658	503000000.0
2014-07-31	1361658	525000000.0
2014-10-31	1361658	310000000.0
2015-04-30	1361658	576000000.0
2015-07-31	1361658	552000000.0
2015-10-31	1361658	348000000.0
2016-04-30	1361658	634000000.0
2016-07-31	1361658	580000000.0
2016-10-31	1361658	392000000.0
2017-04-30	1361658	740000000.0

2017-08-31	1361658	670000000.0
2017-10-31	1361658	432000000.0
2018-05-31	1361658	245000000.0
2018-08-31	1361658	197000000.0
2018-11-30	1361658	147000000.0

DATE	ACCOUNTSPAYABLECURRENT	BRIDGELOAN	COMMERCIALPAPER \
2006-08-31	344.0	NaN	NaN
2006-11-30	240.0	NaN	NaN
2007-05-31	466.0	NaN	NaN
2007-08-31	401.0	NaN	NaN
2007-11-30	342.0	NaN	NaN
2008-05-31	467.0	NaN	NaN
2008-08-31	415.0	NaN	NaN
2008-11-30	273.0	NaN	NaN
2009-05-31	384.0	NaN	NaN
2009-08-31	373.0	NaN	NaN
2009-11-30	247.0	NaN	NaN
2010-04-30	402.0	NaN	NaN
2010-07-31	332000000.0	NaN	NaN
2010-10-31	215000000.0	NaN	NaN
2011-04-30	493000000.0	NaN	NaN
2012-04-30	460000000.0	NaN	NaN
2012-10-31	272000000.0	NaN	NaN
2013-04-30	503000000.0	NaN	202000000.0
2014-07-31	525000000.0	NaN	107000000.0
2014-10-31	310000000.0	NaN	237000000.0
2015-04-30	576000000.0	NaN	346000000.0
2015-07-31	552000000.0	NaN	476000000.0
2015-10-31	348000000.0	NaN	87000000.0
2016-04-30	634000000.0	NaN	343000000.0
2016-07-31	580000000.0	NaN	408000000.0
2016-10-31	392000000.0	NaN	404000000.0
2017-04-30	740000000.0	NaN	221000000.0
2017-08-31	670000000.0	NaN	355000000.0
2017-10-31	432000000.0	NaN	100000000.0
2018-05-31	245000000.0	1.500000e+09	136000000.0
2018-08-31	197000000.0	NaN	0.0
2018-11-30	147000000.0	NaN	0.0

DATE	CONVERTIBLENOTESPAYABLECURRENT	DEBTCURRENT	EXTRACTCODE \
2006-08-31	NaN	NaN	HTML
2006-11-30	NaN	143.0	HTML
2007-05-31	NaN	123.0	HTML
2007-08-31	NaN	140.0	HTML
2007-11-30	NaN	159.0	HTML

2008-05-31	NaN	193.0	HTML
2008-08-31	NaN	207.0	HTML
2008-11-30	NaN	182.0	HTML
2009-05-31	NaN	166.0	HTML
2009-08-31	NaN	169.0	HTML
2009-11-30	NaN	176.0	HTML
2010-04-30	NaN	23.0	HTML
2010-07-31	NaN	29000000.0	XBRL
2010-10-31	NaN	32000000.0	XBRL
2011-04-30	NaN	12000000.0	XBRL
2012-04-30	NaN	54000000.0	XBRL
2012-10-31	12000000.0	64000000.0	XBRL
2013-04-30	NaN	254000000.0	XBRL
2014-07-31	NaN	50000000.0	XBRL
2014-10-31	NaN	49000000.0	XBRL
2015-04-30	NaN	53000000.0	XBRL
2015-07-31	NaN	52000000.0	XBRL
2015-10-31	NaN	44000000.0	XBRL
2016-04-30	NaN	45000000.0	XBRL
2016-07-31	NaN	46000000.0	XBRL
2016-10-31	NaN	33000000.0	XBRL
2017-04-30	NaN	40000000.0	XBRL
2017-08-31	NaN	41000000.0	XBRL
2017-10-31	NaN	42000000.0	XBRL
2018-05-31	NaN	91000000.0	XBRL
2018-08-31	NaN	0.0	XBRL
2018-11-30	NaN	0.0	XBRL

DATE	FINALLONGTERM	FINALSHORTTERM	LIABILITIESCURRENT \
2006-08-31	6.002000e+03	7.900000e+01	3.151000e+03
2006-11-30	1.021000e+03	1.430000e+02	2.047000e+03
2007-05-31	1.296000e+03	1.230000e+02	2.145000e+03
2007-08-31	1.463000e+03	1.400000e+02	2.183000e+03
2007-11-30	1.386000e+03	1.590000e+02	2.257000e+03
2008-05-31	1.359000e+03	1.930000e+02	2.461000e+03
2008-08-31	1.406000e+03	2.070000e+02	2.463000e+03
2008-11-30	1.547000e+03	1.820000e+02	2.307000e+03
2009-05-31	1.747000e+03	1.660000e+02	2.194000e+03
2009-08-31	1.759000e+03	1.690000e+02	2.018000e+03
2009-11-30	1.813000e+03	1.760000e+02	1.822000e+03
2010-04-30	2.059000e+03	2.300000e+01	1.909000e+03
2010-07-31	3.061000e+09	2.900000e+07	1.852000e+09
2010-10-31	3.397000e+09	3.200000e+07	1.521000e+09
2011-04-30	3.557000e+09	1.200000e+07	1.775000e+09
2012-04-30	2.226000e+09	5.400000e+07	1.765000e+09
2012-10-31	2.465000e+09	6.400000e+07	1.608000e+09
2013-04-30	2.707000e+09	2.020000e+08	2.089000e+09



2014-07-31	2.772000e+09	1.070000e+08	2.167000e+09
2014-10-31	2.873000e+09	2.370000e+08	1.811000e+09
2015-04-30	2.971000e+09	3.460000e+08	2.086000e+09
2015-07-31	3.100000e+09	4.760000e+08	2.163000e+09
2015-10-31	3.029000e+09	8.700000e+07	1.901000e+09
2016-04-30	3.261000e+09	3.430000e+08	2.256000e+09
2016-07-31	3.328000e+09	4.080000e+08	2.188000e+09
2016-10-31	3.318000e+09	4.040000e+08	1.931000e+09
2017-04-30	3.535000e+09	2.210000e+08	2.349000e+09
2017-08-31	3.667000e+09	3.550000e+08	2.384000e+09
2017-10-31	3.858000e+09	1.000000e+08	2.121000e+09
2018-05-31	4.193000e+09	1.636000e+09	3.099000e+09
2018-08-31	NaN	0.000000e+00	1.970000e+08
2018-11-30	NaN	0.000000e+00	1.470000e+08

DATE	LIABILITIESNONCURRENT	LIABILITIESOTHERTHANLONGTERMDEBTNONCURRENT \
2006-08-31	6069.0	67.0
2006-11-30	5506.0	65.0
2007-05-31	6358.0	122.0
2007-08-31	6694.0	106.0
2007-11-30	6792.0	124.0
2008-05-31	7285.0	164.0
2008-08-31	7292.0	141.0
2008-11-30	7244.0	130.0
2009-05-31	7065.0	198.0
2009-08-31	6869.0	189.0
2009-11-30	6715.0	191.0
2010-04-30	6884.0	175.0
2010-07-31	NaN	NaN
2010-10-31	NaN	NaN
2011-04-30	NaN	NaN
2012-04-30	NaN	NaN
2012-10-31	NaN	NaN
2013-04-30	NaN	NaN
2014-07-31	NaN	NaN
2014-10-31	NaN	NaN
2015-04-30	NaN	NaN
2015-07-31	NaN	NaN
2015-10-31	NaN	NaN
2016-04-30	NaN	NaN
2016-07-31	NaN	NaN
2016-10-31	NaN	NaN
2017-04-30	NaN	NaN
2017-08-31	NaN	NaN
2017-10-31	NaN	NaN
2018-05-31	NaN	NaN
2018-08-31	NaN	NaN

2018-11-30

NaN

NaN

LONGTERMDEBTANDCAPITALLEASEOBLIGATIONSCURRENT \

DATE

2006-08-31	NaN
2006-11-30	143.0
2007-05-31	123.0
2007-08-31	140.0
2007-11-30	159.0
2008-05-31	193.0
2008-08-31	207.0
2008-11-30	182.0
2009-05-31	166.0
2009-08-31	169.0
2009-11-30	176.0
2010-04-30	23.0
2010-07-31	248000000.0
2010-10-31	187000000.0
2011-04-30	216000000.0
2012-04-30	206000000.0
2012-10-31	218000000.0
2013-04-30	228000000.0
2014-07-31	187000000.0
2014-10-31	192000000.0
2015-04-30	217000000.0
2015-07-31	211000000.0
2015-10-31	210000000.0
2016-04-30	207000000.0
2016-07-31	198000000.0
2016-10-31	200000000.0
2017-04-30	191000000.0
2017-08-31	185000000.0
2017-10-31	192000000.0
2018-05-31	198000000.0
2018-08-31	NaN
2018-11-30	NaN

LONGTERMDEBTCURRENT LONGTERMDEBTNONCURRENT \

DATE

2006-08-31	NaN	NaN
2006-11-30	143.0	1.021000e+03
2007-05-31	123.0	1.296000e+03
2007-08-31	140.0	1.463000e+03
2007-11-30	159.0	1.386000e+03
2008-05-31	193.0	1.359000e+03
2008-08-31	207.0	1.406000e+03
2008-11-30	182.0	1.547000e+03
2009-05-31	166.0	1.747000e+03

2009-08-31	169.0	1.759000e+03
2009-11-30	176.0	1.813000e+03
2010-04-30	23.0	2.059000e+03
2010-07-31	248000000.0	3.061000e+09
2010-10-31	187000000.0	3.397000e+09
2011-04-30	216000000.0	3.557000e+09
2012-04-30	206000000.0	2.226000e+09
2012-10-31	218000000.0	2.465000e+09
2013-04-30	228000000.0	2.707000e+09
2014-07-31	187000000.0	2.772000e+09
2014-10-31	192000000.0	2.873000e+09
2015-04-30	217000000.0	2.971000e+09
2015-07-31	211000000.0	3.100000e+09
2015-10-31	210000000.0	3.029000e+09
2016-04-30	207000000.0	3.261000e+09
2016-07-31	198000000.0	3.328000e+09
2016-10-31	200000000.0	3.318000e+09
2017-04-30	191000000.0	3.535000e+09
2017-08-31	185000000.0	3.667000e+09
2017-10-31	192000000.0	3.858000e+09
2018-05-31	198000000.0	4.193000e+09
2018-08-31	NaN	NaN
2018-11-30	NaN	NaN

DATE	NAME	NOTESANDLOANSPAYABLECURRENT \
2006-08-31	WYNDHAM WORLDWIDE CORP	NaN
2006-11-30	WYNDHAM WORLDWIDE CORP	NaN
2007-05-31	WYNDHAM WORLDWIDE CORP	NaN
2007-08-31	WYNDHAM WORLDWIDE CORP	NaN
2007-11-30	WYNDHAM WORLDWIDE CORP	NaN
2008-05-31	WYNDHAM WORLDWIDE CORP	NaN
2008-08-31	WYNDHAM WORLDWIDE CORP	NaN
2008-11-30	WYNDHAM WORLDWIDE CORP	NaN
2009-05-31	WYNDHAM WORLDWIDE CORP	NaN
2009-08-31	WYNDHAM WORLDWIDE CORP	NaN
2009-11-30	WYNDHAM WORLDWIDE CORP	NaN
2010-04-30	WYNDHAM WORLDWIDE CORP	NaN
2010-07-31	WYNDHAM WORLDWIDE CORP	NaN
2010-10-31	WYNDHAM WORLDWIDE CORP	NaN
2011-04-30	WYNDHAM WORLDWIDE CORP	NaN
2012-04-30	WYNDHAM WORLDWIDE CORP	NaN
2012-10-31	WYNDHAM WORLDWIDE CORP	12000000.0
2013-04-30	WYNDHAM WORLDWIDE CORP	NaN
2014-07-31	WYNDHAM WORLDWIDE CORP	NaN
2014-10-31	WYNDHAM WORLDWIDE CORP	NaN
2015-04-30	WYNDHAM WORLDWIDE CORP	NaN
2015-07-31	WYNDHAM WORLDWIDE CORP	NaN

2015-10-31	WYNDHAM WORLDWIDE CORP	NaN
2016-04-30	WYNDHAM WORLDWIDE CORP	NaN
2016-07-31	WYNDHAM WORLDWIDE CORP	NaN
2016-10-31	WYNDHAM WORLDWIDE CORP	NaN
2017-04-30	WYNDHAM WORLDWIDE CORP	NaN
2017-08-31	WYNDHAM WORLDWIDE CORP	NaN
2017-10-31	WYNDHAM WORLDWIDE CORP	NaN
2018-05-31	WYNDHAM WORLDWIDE CORP	NaN
2018-08-31	Wyndham Destinations, Inc.	NaN
2018-11-30	Wyndham Destinations, Inc.	NaN

DATE	NOTESPAYABLECURRENT	OTHERACCRUEDLIABILITIESCURRENT \
2006-08-31	NaN	484.0
2006-11-30	NaN	665.0
2007-05-31	NaN	607.0
2007-08-31	NaN	654.0
2007-11-30	NaN	733.0
2008-05-31	NaN	665.0
2008-08-31	NaN	661.0
2008-11-30	NaN	694.0
2009-05-31	NaN	614.0
2009-08-31	NaN	532.0
2009-11-30	NaN	578.0
2010-04-30	NaN	562.0
2010-07-31	NaN	NaN
2010-10-31	NaN	NaN
2011-04-30	NaN	NaN
2012-04-30	NaN	NaN
2012-10-31	12000000.0	NaN
2013-04-30	NaN	NaN
2014-07-31	NaN	NaN
2014-10-31	NaN	NaN
2015-04-30	NaN	NaN
2015-07-31	NaN	NaN
2015-10-31	NaN	NaN
2016-04-30	NaN	NaN
2016-07-31	NaN	NaN
2016-10-31	NaN	NaN
2017-04-30	NaN	NaN
2017-08-31	NaN	NaN
2017-10-31	NaN	NaN
2018-05-31	NaN	NaN
2018-08-31	NaN	NaN
2018-11-30	NaN	NaN

DATE	OTHERLIABILITIESCURRENT	OTHERLONGTERMDEBTNONCURRENT \
------	-------------------------	-------------------------------

2006-08-31	NaN	NaN
2006-11-30	NaN	NaN
2007-05-31	NaN	NaN
2007-08-31	NaN	NaN
2007-11-30	NaN	NaN
2008-05-31	NaN	NaN
2008-08-31	NaN	NaN
2008-11-30	NaN	NaN
2009-05-31	NaN	NaN
2009-08-31	NaN	NaN
2009-11-30	NaN	NaN
2010-04-30	NaN	NaN
2010-07-31	575000000.0	1.763000e+09
2010-10-31	643000000.0	1.969000e+09
2011-04-30	546000000.0	1.959000e+09
2012-04-30	561000000.0	2.226000e+09
2012-10-31	665000000.0	2.465000e+09
2013-04-30	611000000.0	2.707000e+09
2014-07-31	801000000.0	2.772000e+09
2014-10-31	774000000.0	2.873000e+09
2015-04-30	696000000.0	2.971000e+09
2015-07-31	798000000.0	3.100000e+09
2015-10-31	852000000.0	3.029000e+09
2016-04-30	774000000.0	3.261000e+09
2016-07-31	787000000.0	3.328000e+09
2016-10-31	842000000.0	3.318000e+09
2017-04-30	750000000.0	3.535000e+09
2017-08-31	866000000.0	3.667000e+09
2017-10-31	919000000.0	3.858000e+09
2018-05-31	753000000.0	4.193000e+09
2018-08-31	NaN	NaN
2018-11-30	NaN	NaN

DATE	SECUREDDEBTCURRENT	SECUREDLONGTERMDEBT	SHORTTERMBORROWINGS \
2006-08-31	NaN	NaN	NaN
2006-11-30	NaN	NaN	NaN
2007-05-31	NaN	NaN	NaN
2007-08-31	NaN	NaN	NaN
2007-11-30	NaN	NaN	NaN
2008-05-31	NaN	NaN	NaN
2008-08-31	NaN	NaN	NaN
2008-11-30	NaN	NaN	NaN
2009-05-31	NaN	NaN	NaN
2009-08-31	NaN	NaN	NaN
2009-11-30	NaN	NaN	NaN
2010-04-30	NaN	NaN	NaN
2010-07-31	248000000.0	1.298000e+09	NaN

2010-10-31	187000000.0	1.428000e+09	NaN
2011-04-30	216000000.0	1.598000e+09	NaN
2012-04-30	206000000.0	1.794000e+09	NaN
2012-10-31	206000000.0	1.716000e+09	NaN
2013-04-30	228000000.0	1.766000e+09	2.020000e+08
2014-07-31	187000000.0	1.704000e+09	1.070000e+08
2014-10-31	192000000.0	1.749000e+09	2.370000e+08
2015-04-30	217000000.0	1.971000e+09	3.460000e+08
2015-07-31	211000000.0	1.883000e+09	4.760000e+08
2015-10-31	210000000.0	1.900000e+09	8.700000e+07
2016-04-30	207000000.0	1.919000e+09	3.430000e+08
2016-07-31	198000000.0	1.834000e+09	4.080000e+08
2016-10-31	200000000.0	1.898000e+09	4.040000e+08
2017-04-30	191000000.0	1.947000e+09	2.210000e+08
2017-08-31	185000000.0	1.867000e+09	3.550000e+08
2017-10-31	192000000.0	1.809000e+09	1.000000e+08
2018-05-31	198000000.0	1.779000e+09	1.636000e+09
2018-08-31	NaN	NaN	0.000000e+00
2018-11-30	NaN	NaN	0.000000e+00

# TEXT

## DATE

2006-08-31	NaN
2006-11-30	NaN
2007-05-31	NaN
2007-08-31	NaN
2007-11-30	NaN
2008-05-31	NaN
2008-08-31	NaN
2008-11-30	NaN
2009-05-31	NaN
2009-08-31	NaN
2009-11-30	NaN
2010-04-30	NaN
2010-07-31	7. Long-Term Debt and Borrowing Arrangements ...
2010-10-31	7. Long-Term Debt and Borrowing Arrangements ...
2011-04-30	6. Long-Term Debt and Borrowing Arrangements ...
2012-04-30	5.\nLong-Term Debt and Borrowing Arrangements...
2012-10-31	Long-Term Debt and Borrowing ArrangementsThe C...
2013-04-30	Long-Term Debt and Borrowing ArrangementsThe C...
2014-07-31	Long-Term Debt and Borrowing ArrangementsThe C...
2014-10-31	Long-Term Debt and Borrowing ArrangementsThe C...
2015-04-30	Long-Term Debt and Borrowing ArrangementsThe C...
2015-07-31	Long-Term Debt and Borrowing ArrangementsThe C...
2015-10-31	Long-Term Debt and Borrowing ArrangementsThe C...
2016-04-30	Long-Term Debt and Borrowing ArrangementsThe C...
2016-07-31	Long-Term Debt and Borrowing ArrangementsThe C...
2016-10-31	Long-Term Debt and Borrowing ArrangementsThe C...

2017-04-30	Long-Term Debt and Borrowing ArrangementsThe C...
2017-08-31	Long-Term Debt and Borrowing ArrangementsThe C...
2017-10-31	Long-Term Debt and Borrowing ArrangementsThe C...
2018-05-31	Long-Term Debt and Borrowing ArrangementsThe C...
2018-08-31	DebtThe Companys indebtedness consisted of: J...
2018-11-30	DebtThe Companys indebtedness consisted of: S...

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In [207]: viewDisclosure(joined)
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2010-07-31

7. Long-Term Debt and Borrowing Arrangements The Company's indebtedness consisted of: June 30, 2014, 79.0908 shares of common stock per \$1,000 principal amount (equivalent to a conversion price of \$12.50) were used, in addition to borrowings under the Company's revolving credit facility, to pay down the principal amount of the Company's senior unsecured notes. The terms of the Company's revolving credit facility are applicable to such notes. Holders of the Convertible Senior Unsecured Notes may convert all or any portion of such notes into shares of common stock at any time after the date of the closing of the offering of the Convertible Senior Unsecured Notes, provided that the conversion price is at least \$12.50 per share of common stock.

2010-10-31

7. Long-Term Debt and Borrowing Arrangements The Company's indebtedness consisted of: September 2007 senior unsecured notes. The remaining proceeds were used, in addition to borrowings under other debt, to fund the Company's operations and for general corporate purposes. The consolidated leverage ratio is calculated as the ratio of consolidated debt to consolidated capitalization (as defined in the credit agreement). The consolidated leverage ratio is calculated as of December 31, 2007, as 1.00x. The 6.00% senior unsecured notes, 9.875% senior unsecured notes, 7.375% senior unsecured notes, and 7.375% senior unsecured notes are all secured by all of the Company's assets and the events of default for the Company's senior unsecured notes are based on market conditions. The activities of these SPEs are limited to (i) purchasing and selling securities, (ii) entering into interest rate swap agreements, and (iii) entering into other financial instruments. The Company entered into an interest rate swap agreement, which resulted in the reclassification of a \$14 million unrealized gain to other comprehensive income.

2011-04-30

change. As of March 31, 2011 Debt and Payor was in Arrangements With Company's shareholders as described March 31,

2012-04-30

5.

Long-Term Debt and Borrowing Arrangements The Company's indebtedness consisted of: March 31, 2011  
1,896 \$

1,625 Bank conduit facility (b) 104 237 Total securitized vacation ownership debt 2,000 1,862 Le  
1,794 \$

1,666 Long-term debt: Revolving credit facility (due July 2016) (c) \$  
47 \$

218 3.50% convertible notes (due May 2012) (d) 44 36 9.875% senior unsecured notes (due May 2014)

Maturities and Capacity The Company's outstanding debt as of March 31, 2012 matures as follows:

2,000 \$

2,280 \$

4,280 (\*) Includes a liability of \$32 million related to the Bifurcated Conversion Feature associated with the 2017 convertible preferred stock.  
496 \$ 953 (b) (a) The capacity of this facility is subject to the Company's ability to provide a

2012-10-31

Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: September 30, 2014

2013-04-30

Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: March 31, 2013

2014-07-31

Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: June 30, 2014 D

2014-10-31

Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: September 30, 20

2015-04-30

Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: March 31, 2015

2015-07-31

Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: June 30, 2015 D

2015-10-31

Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: September 30, 2

2016-04-30

Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: March 31, 2016

2016-07-31

Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: June 30, 2016 D

2016-10-31

Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: September 30, 2

2017-04-30

rest on the Consolidated Balance Sheet and Statement of Financial Position. The Companys indebtedness consisted of: March 31, 2017 D

2017-08-31

ee and six months. Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: June 30, 2017 D

2017-10-31

partially offset by Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: September 30, 2017 D

2018-05-31

Long-Term Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: March 31, 2018

2018-08-31

550 \$1,000Less: Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: June 30, 2018 D

2018-11-30

and 5 years176 Debt and Borrowing ArrangementsThe Companys indebtedness consisted of: September 30, 2018 D