

Rosetta Resources Inc.  
Form FWP  
October 05, 2006

Rio Vista  
**OCTOBER 4, 2006**

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**Issuer Free Writing Prospectus**

**Filed Pursuant To Rule 433**

**Registration Statement No. 333-128888**

**October 4, 2006**

The issuer has filed a registration statement (including a prospectus) with the SEC for the offering to which this communication relates. Before you invest, you should read the prospectus in that registration statement and other documents the issuer has filed with the SEC for more complete information about the issuer and this offering. You may get these documents for free by visiting EDGAR on the SEC Web site at [www.sec.gov](http://www.sec.gov). Dealer participating in the offering will arrange to send you the prospectus if you request it by calling (713) 335-4000. The prospectus relating to this offering is available by clicking on the following link:

**<http://www.sec.gov/Archives/edgar/data/1340282/000119312506027644/d424b3.htm>**

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Disclaimer

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**Forward-Looking Statements**

Forward-Looking Statements: All statements, other than statements of historical fact, included in this presentation are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements are based upon current expectations and are subject to a number of risks, uncertainties and assumptions, which are more fully described in Rosetta Resources Inc.'s Annual Report on Form 10-K and Quarterly Reports on Form 10-Q filed with the Securities and Exchange Commission. These risks, uncertainties and assumptions could cause actual results to differ materially from those described in the forward-looking statements. Rosetta Resources Inc. assumes no obligation and expressly disclaims any duty to update the information contained herein except as required by law.

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**Deterding #8, Rio Vista, California**  
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Key Facts

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§

Rio Vista is the largest onshore gas field in California – 3.6 TCF produced to date.\*

§

Peak production was 600 MMCFE/D in 1945.\*

§

Field was discovered in 1936 by Amerada.\*

§

Interest in Rio Vista Field acquired from Amerada Hess by Sheridan Energy January 25, 1999.

§

Sheridan Energy acquired by Calpine October 1, 1999

§

Sold to Rosetta Resources Inc. July 7, 2005.

\* *California Department of Conservation.*

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W ell Count  
- 5 -

|   |            |
|---|------------|
| §<br><b>Currently producing wells</b>                 | <b>135</b> |
| §<br><b>Wells waiting on completion</b>               | <b>4</b>   |
| §<br><b>Shut-in wells with recompletion potential</b> | <b>63</b>  |
| <b>Total *</b>  | <b>202</b> |

\* *Gross*

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Field Geology

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The stratigraphic section of Rio Vista is made up of Cretaceous to Eocene marine rocks that are unconformably overlain by Miocene and Pliocene non-marine sediments. All of the section is known to be productive. The deepest well in Rio Vista has seen the Forbes section at a TD of 15,050'.

The gas field trap is described as a downthrown rollover anticline that is elongate to the NW. The Eocene Domingene and Paleocene Hamilton formations, which are massive marine sandstones, have been the most prolific producers in Rio Vista. Middle shelf sequences of the Eocene Capay and Paleocene Martinez have been found productive and there is considerable production from deeper marine turbidites of the Cretaceous Petersen and Winters formations.

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**2000' to 12000'**  
Rio Vista Type Log

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New Technology Implemented Since 1997

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Hydraulic fracturing – new to Sacramento Basin

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3D seismic survey utilizing special acquisition recording and processing procedures to optimize data for amplitude versus offset interpretation (AVO)

§

Under-balanced drilling in low pressure reservoirs

§

Petrophysical/log processing using neural network processing techniques

§

Frac pack sand control

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Production Curves - Gross

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**Forecast**

**Rio Vista Daily Wellhead Production – Gross Operated**

**Current rate = 52 MMCFE/D**

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R io Vista Wells

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(November 5, 2005 – September 25, 2006)

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**R**io Vista Production  
Proved and Probable Location Inventory  
Total 130 Locations

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R io Vista Production  
**Production by Reservoir**  
52 Mmcfe/d  
**- 12 -**

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**Southern Extension**

R io Vista – Upper Capay and Martinez

- 13 -

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Recently drilled wells have extended the Upper, Middle, Lower Capay and also the Martinez within the Rio Vista Gas Field.

§

Two Capay wells drilled in the Southern Extension, RVGU 265 and RVGU 270 are producing 0.6 and 1.5 MMCFE/D respectively and the two Martinez wells drilled in the extension, Twitchell 4 and Twitchell 5 are producing 1.8 and 3.2 MMCFE/D respectively.

§

This extension has added 18 Bcf of proved and probable reserves to date.

Capay Extension  
Martinez Extension

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§  
Acquiring 12.0 sq. mi. (~7700 acres) proprietary 3D seismic data over the Southern Rio Vista Gas Unit.  
Approximately 70% (~ 5400 acres) of the 3D covers acreage with no seismic coverage.

§  
Prospective zones include the  
Nortonville, Capay, Hamilton,  
Martinez, and McCormick.

§  
Only 17 wells in survey – only 4 below 5000’.

§  
20 BCF reserve potential.

**Bradford Island 3D Shoot**

R io Vista

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§

Over 1.1 Tcf of gas produced to the North, East and South of Rio Vista field. Only 5 penetrations to date in this 90-square mile field area.

§

Welch

with producing rate of 3 MMcfe/d.  
13 well drilled in April in the Winters

§

W

K1 but not logged due to hole conditions.  
ilcox 13 has good mud log shows in the

§

Wilcox 14 well has good mud log shows and calculated pay on open hole logs but tests show zone to be wet. Maddie location to be drilled with deep rig in 2007.

§

Identification of additional locations is currently underway. Plans underway for K1 test in Wilcox 13 fault block.

Rio Vista Unit

**K 1 & W i n t e r s P l a y**

R i o V i s t a

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Cash Cost Structure 2006

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|                            |           | Rio Vista   |           | Total<br>Company |
|----------------------------|-----------|-------------|-----------|------------------|
| <b>Costs/MCFE</b>          |           |             |           |                  |
| \$ Direct LOE              | \$        | 0.70        | \$        | 0.64             |
| \$ Ad Valorem Tax          |           | 0.47        |           | 0.22             |
| \$ Production Tax          |           | 0.00        |           | 0.21             |
| \$ Workover                |           | 0.04        |           | 0.14             |
| \$ Insurance               |           | 0.01        |           | 0.02             |
| <b>Total Lifting Costs</b> | <b>\$</b> | <b>1.22</b> | <b>\$</b> | <b>1.23</b>      |

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Cost Control Innovation  
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F ield Trip

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Rio Vista Office

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Detering Compressor

§

Big Brannan

§

Baby Brannan

§

Emigh #1

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Field Delivery Points

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CPN Delivery Points

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Main CPN Delivery Point  
(High Pressure)

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Secondary CPN Delivery  
Point (High Pressure)

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PG&E Delivery Points

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Twitchell-PG&E Delivery Point  
(Low Pressure)

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Main-PG&E Delivery Point  
(High Pressure)

§

West-PG&E Delivery Point  
(High Pressure)

West-PG&E Delivery  
Point

Secondary-CPN Delivery  
Point

Main-CPN Delivery  
Point

Main-PG&E Delivery  
Point

Twitchell-PG&E Delivery  
Point

Compressor Stations

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| <b>Comp Station</b> | <b>BHP</b>     | <b>Suction<br/>PSIG</b> | <b>Discharge<br/>PSIG</b> | <b>Capacity<br/>MCFPD</b> | <b>Market<br/>Delivery<br/>Capacity</b> | <b>Current<br/>MCFPD</b> | <b>Deliver To</b> |
|---------------------|----------------|-------------------------|---------------------------|---------------------------|---|--------------------------|-------------------|
| Deterding           | 3,100          | 3                       | 850                       | 9,000                     | 9,000                                   | 4,500                    | Calpine /PG&E     |
| Big Brannan         | 6,600<br>1,600 | 75                      | 900                       | 37,500<br>9,000           | 37,500                                  | 21,000                   | Calpine/PG&E      |
| Baby Brannan        |                | 3                       | 80                        |                           | 0                                       | 0                        | Big Brannan       |
|                     |                |                         |                           |                           | <b>46,500</b>                           | <b>Total</b>             |                   |

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Gas Marketing

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**Calpine Gas Sales Contract Summary**

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Covers all production from leases in producing as of  
May 2006 (including new wells).

§

Expires December 31, 2009 with a Right of First  
Refusal for an additional 10 years.

§

Price based on published index market prices for Sac  
Basin (PG&E Citygate)

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Gas is delivered to Calpine pipeline for delivery to  
Calpine power plants or PG&E during plant  
curtailments.

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Gas is paid for one business day in arrears to minimize  
credit exposure.

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Gathering System Projects

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PG&E Gathering System

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Reduce operating cost and increase gathering efficiencies

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Assets Identified and PSA complete

Ø

Requires 851 filing with PUC

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Expected acquisition in mid to late 2007

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PG&E Bradford Island Pipeline

Ø

PG&E line from emerging development area

Ø

Completing due diligence

Ø

Expected closing in November (no PUC filing)

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PG&E Twitchell Island Pipeline

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Provides additional capacity on East side of the unit

Ø

Under evaluation

§

ConocoPhillips Pipelines

Ø

Abandoned lines that extend into future development areas

Ø

Started preliminary negotiations

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California Demand

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**California Gas Production**

13%

**87%**

**Gas Imports**

**State Avg. Gas Use = 6 bcf/d**

**Calpine Local Gas Use 350 MMCFE/D**

| <b>Calpine<br/>Power Plants</b> | <b>MW/h</b>  | <b>MMcf/d</b> |
|---------------------------------|--------------|---------------|
| <b>Greenleaf 1</b>              | <b>50</b>    | <b>11</b>     |
| <b>Greenleaf 2</b>              | <b>50</b>    | <b>11</b>     |
| <b>Feather<br/>River</b>        | <b>35</b>    | <b>10</b>     |
| <b>Sutter</b>                   | <b>500</b>   | <b>90</b>     |
| <b>DEC</b>                      | <b>800</b>   | <b>130</b>    |
| <b>LMEC</b>                     | <b>500</b>   | <b>80</b>     |
| <b>Dow</b>                      | <b>65</b>    | <b>18</b>     |
| <b>Total</b>                    | <b>2,000</b> | <b>350</b>    |

*\* California Energy Commission Report Natural Gas Facts*



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Historical Prices PG&E

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H H GD vs. PG&E Historical  
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Basis Differential HH GD vs. PG&E

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P G&E as a % of Henry Hub GD

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