PROSPECT CAPITAL CORP

Form 497

April 28, 2014

The information in this preliminary pricing supplement is not complete and may be changed. This preliminary pricing supplement and the accompanying prospectus supplement and prospectus are not offers to sell these securities and are not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

Subject to completion

Preliminary Pricing Supplement dated

April 28, 2014

Prospect Capital Corporation

Prospect Capital InterNotes®

3.750% Senior Notes due 2018 (the "2018 Notes")

4.500% Senior Notes due 2019 (the "2019 Notes")

5.250% Senior Notes due 2021 (the "2021 Notes")

5.750% Senior Notes due 2024 (the "2024 Notes")

6.250% Senior Notes due 2039 (the "2039 Notes"

and together with the 2018 Notes, the 2019 Notes,

the 2021 Notes and the 2024 Notes, the "Notes")

Filed under Rule 497, Registration Statement No. 333-190850

Preliminary Pricing Supplement Nos. 319, 320, 321, 322 and 323—Dated Monday, April 28, 2014

(To: Prospectus Dated October 15, 2013, and Prospectus Supplement Dated February 3, 2014)

CUSIP ISIN PrincipalSelling Gross CouponCouponCoupon Net Maturity 1st Coupon 1st C Number Number **Amount Price** Concession Proceeds Type Rate Frequency Date Date Amo

74348YPD7US74348YPD75\$ 100.000% 1.150% \$ Fixed 3.750% Semi-Annual 5/15/2018 11/15/2014 \$19.

Redemption Information: Callable at 100.000% on 5/15/2015 and every coupon date thereafter.

CUSIP ISIN PrincipalSelling Gross Net CouponCouponCoupon Maturity 1st Coupon1st CouponPrincipalSelling Number Amount Price Concession Proceeds Type Rate Frequency Date Date Amount Price Concession Proceeds Type Rate Frequency Date Date Amount Price CouponPrincipalSelling Gross Net CouponCouponCoupon Maturity 1st Coupon1st CouponBright Gross Net CouponCouponCoupon Maturity 1st CouponSelling Gross Net CouponCouponCoupon Maturity 1st CouponBright Gross Net CouponCoupon Maturity 1st CouponBright Gross Net CouponB

74348YPE5 US74348YPE58 \$ 100.000% 1.500% \$ Fixed 4.500% Semi-Annual 5/15/2019 11/15/2014 \$23.

Redemption Information: Callable at 100.000% on 5/15/2015 and every coupon date thereafter.

CUSIP ISIN PrincipalSelling Gross Net CouponCouponCoupon Maturity 1st Coupon1st Coupon Number Amount Price Concession Proceeds Type Rate Frequency Date Date Amount Price Concession Proceeds Type Rate Frequency Date Date Amount Price CouponCouponCoupon Maturity 1st Coupon1st CouponState PrincipalSelling CouponState PrincipalSelling CouponCouponCoupon Maturity 1st Coupon1st CouponState PrincipalSelling CouponCouponCoupon Maturity 1st Coupon1st CouponState PrincipalSelling Coupo

74348YPF2 US74348YPF24 \$ 100.000% 1.750% \$ Fixed 5.250% Semi-Annual 5/15/2021 11/15/2014 \$27.

Redemption Information: Callable at 100.000% on 5/15/2015 and every coupon date thereafter.

74348YPG0US74348YPG07\$ 100.000% 2.200% \$ Fixed 5.750% Semi-Annual 5/15/2024 11/15/2014 \$29.

Redemption Information: Callable at 100.000% on 5/15/2015 and every coupon date thereafter.

CUSIP ISIN PrincipalSelling Gross Net CouponCouponCoupon Maturity 1st Coupon1st Coupon Number Number Amount Price Concession Proceeds Type Rate Frequency Date Date Amount Price Concession Proceeds Type Rate Frequency Date Date Amount Price CouponCouponCoupon Maturity 1st Coupon1st CouponCouponCoupon Maturity 1st Coupon1st CouponCouponCoupon Maturity 1st Coupon1st CouponCouponCouponCoupon Maturity 1st Coupon1st CouponCouponCouponCouponCoupon Maturity 1st Coupon1st CouponCouponCouponCouponCouponCouponCoupon Maturity 1st Coupon1st Coupon

74348YPH8US74348YPH89\$ 100.000% 3.650% \$ Fixed 6.250% Semi-Annual 5/15/2039 11/15/2014\$32.

Redemption Information: Callable at 100.000% on 5/15/2017 and every coupon date thereafter.

Trade Date: Monday, May 5, 2014 @ 12:00 PM ET

Settle Date: Thursday, May 8, 2014

Minimum Denomination/Increments: \$1,000.00/\$1,000.00 Initial trades settle flat and clear SDFS: DTC Book Entry only

The Notes will be issued pursuant to the Indenture, dated as of February 16, 2012, as amended and supplemented by that certain Three Hundred Nineteenth Supplemental Indenture, Three Hundred Twentieth Supplemental Indenture, Three Hundred Twenty-First Supplemental Indenture, Three Hundred Twenty-Second Supplemental Indenture and Three Hundred Twenty-Third Supplemental Indenture, respectively, each dated as of May 8, 2014.

The date from which interest shall accrue on the Notes is Thursday, May 8, 2014. The "Interest Payment Dates" for the Notes shall be May 15 and November 15 of each year, commencing November 15, 2014; the interest payable on any Interest Payment Date, will be paid to the Person in whose name the Note (or one or more predecessor Notes) is registered at the close of business on the Regular Record Date (as defined in the Indenture) for such interest, which shall be May 1 or November 1, as the case may be, next preceding such Interest Payment Date.

The 2018 Notes, the 2019 Notes, the 2021 Notes, the 2024 Notes, and the 2039 Notes will be redeemable in whole or in part at any time or from time to time, at the option of Prospect Capital Corporation, on or after May15, 2015, May 15, 2015, May 15, 2015 and May 15, 2017, respectively, at a redemption price of \$1,000 per Note plus accrued and unpaid interest payments otherwise payable for the then-current semi-annual interest period accrued to, but excluding, the date fixed for redemption and upon not less than 30 days nor more that 60 days prior notice to the noteholder and the trustee, as described in the prospectus.

Prospect Capital Corporation is a financial services company that lends to and invests in middle market, privately-held companies. We are organized as an externally-managed, non-diversified closed-end management investment company that has elected to be treated as a business development company under the Investment Company Act of 1940. Prospect Capital Management LLC manages our investments and Prospect Administration LLC provides the administrative services necessary for us to operate.

This preliminary pricing supplement relates only to the securities described in the accompanying prospectus supplement and prospectus, is only a summary of changes and should be read together with the accompanying prospectus supplement and prospectus, including among other things the section entitled "Risk Factors" beginning on page S-7 of such prospectus supplement and page 10 of such prospectus. This preliminary pricing supplement and the accompanying prospectus supplement and prospectus contain important information you should know before investing in our securities. Please read it before you invest and keep it for future reference. We file annual, quarterly and current reports, proxy statements and other information about us with the Securities and Exchange Commission, or the "SEC." This information is available free of charge by contacting us at 10 East 40th Street, 44th Floor, New York, NY 10016 or by telephone at (212) 448-0702. The SEC maintains a website at www.sec.gov where such information is available without charge upon written or oral request. Our internet website address is www.prospectstreet.com. Information contained on our website is not incorporated by reference into this prospectus supplement or the accompanying prospectus and you should not consider information contained on our website to be part of this prospectus supplement or the accompanying prospectus.

Neither the SEC nor any state securities commission has approved or disapproved of these securities or passed on the adequacy or accuracy of this preliminary pricing supplement. Any representation to the contrary is a criminal offense. Obligations of Prospect Capital Corporation and any subsidiary of Prospect Capital Corporation are not guaranteed by the full faith and credit of the United States of America. Neither Prospect Capital Corporation nor any subsidiary of Prospect Capital Corporation is a government-sponsored enterprise or an instrumentality of the United States of America.

InterNotes® is a registered trademark of Incapital Holdings LLC.

Recent Developments:

On February 4, 2014, we made a secured debt investment of \$25.0 million in Ikaria, Inc., a biotherapeutics company focused on developing and commercializing innovative therapies designed to meet the unique and complex medical needs of critically ill patients.

On February 5, 2014, we sold \$8.0 million of our investment in a consumer products company.

On February 5, 2014, we made an investment of \$32.4 million to purchase 94.27% of the subordinated notes in ING IM CLO 2014-I, Ltd.

On February 7, 2014, we made an investment of \$22.9 million to purchase 62.99% of the subordinated notes in Halcyon Loan Advisors Funding 2014-I, Ltd.

On February 10, 2014, the SEC granted our exemptive application to permit us to participate in negotiated co-investments with other funds managed by Prospect Capital Management LLC, Priority Senior Secured Income Management, LLC or Pathway Energy Infrastructure Management, LLC or affiliated advisers in a manner consistent with our investment objective, strategies and restrictions as well as regulatory requirements and other pertinent factors, subject to the conditions therein.

On February 11, 2014, we made a \$7.0 million follow-on investment in Interdent, Inc. to fund an acquisition. On February 11, 2014, we made a secured debt investment of \$10.0 million in TriMark USA LLC, a foodservice equipment and supplies distributor and provider of custom kitchen design services.

On February 12, 2014, we made a \$2.0 million follow-on investment in NPH Property Holdings, LLC ("NPH") to support the peer-to-peer lending initiative. We invested \$0.3 million of equity and \$1.7 million of debt in NPH. On February 19, 2014, we provided \$17.0 million of secured floating rate financing to support the acquisition of Keane by Lovell Minnick Partners. Keane provides unclaimed property services to many of the nation's largest financial institutions including transfer agents, mutual funds, banks, brokerages and insurance companies. On February 21, 2014, we sold \$6.5 million of our investment in a consumer products company.

On March 3, 2014, we announced an increase of \$45.0 million to our commitments to our credit facility. The commitments to the credit facility now stand at \$757.5 million.

On March 7, 2014, we provided \$78.0 million of senior secured floating rate debt to support the continued growth of Tolt Solutions, Inc., a retail-focused information technology services company, providing customized network architecture solutions, installation, deployment, maintenance, and customer support to retailers nationwide. On March 12, 2014, we made a secured debt investment of \$10.0 million in Tectum Holdings, Inc., a manufacturer of aftermarket accessories for the lite-truck market.

On March 18, 2014, we made a \$28.3 million follow-on investment in LaserShip, Inc., of which \$22.3 million was funded at closing, to finance an acquisition.

On March 20, 2014, New Star Metals, Inc. repaid the \$50.5 million loan receivable to us.

On March 25, 2014, we made a secured debt investment of \$28.5 million in a provider of contract and permanent placement staffing services, with a strategic focus on the information technology segment.

On March 26, 2014, Material Handling Services, LLC repaid the \$64.5 million loan receivable to us.

On March 28, 2014, we provided \$277.5 million of secured floating rate debt to support the refinancing of Instant Web, LLC, a provider of direct marketing solutions to direct marketers for acquisition and loyalty programs in the United States.

On March 28, 2014, we increased total commitments to our credit facility by \$35.0 million. The commitments to the credit facility now stand at \$792.5 million.

On March 31, 2014, we made a secured debt investment of \$60.0 million in United States Environmental Services, LLC, a provider of industrial, environmental, and maritime services in the Gulf States region.

On March 31, 2014, we provided a \$153.5 million follow-on investment in Progrexion Holdings, Inc. to fund a dividend recapitalization.

On March 31, 2014, we invested \$246.3 million in cash and 2,306,294 unregistered shares of our common stock to support the recapitalization of Harbortouch Payments, LLC (f/k/a United Bank Card, Inc. (d/b/a Harbortouch)), a provider of transaction processing services and point-of-sale equipment used by merchants across the United States. We invested \$24.9 million of equity and \$123.0 million of debt in Harbortouch Holdings of Delaware Inc., the newly-formed holding company, and \$130.8 million of debt in Harbortouch Payments, LLC, the operating company. Through the recapitalization, we acquired a controlling interest in Harbortouch Holdings of Delaware Inc. After the recapitalization, we received repayment of the \$23.9 million loan previously outstanding.

On March 31, 2014, we provided \$78.5 million of debt and \$14.1 million of equity financing to Echelon Aviation LLC ("Echelon"), a newly established portfolio company which provides liquidity alternatives on aviation assets. We are the controlling equity owner of Echelon.

On March 31, 2014, we sold \$10.0 million of our \$277.5 million investment in Instant Web, LLC. There was no gain or loss realized on the sale.

On April 7, 2014, we issued \$300.0 million aggregate principal amount of 5.00% senior unsecured notes due 2019 (the "5.00% 2019 Notes") for net proceeds following underwriting and other expenses of approximately \$250.8 million. Included in the issuance is \$45,000 of Prospect Capital InterNotes® that was converted into the 5.00% 2019 Notes. The 5.00% 2019 Notes bear interest at a rate of 5.00%, payable semi-annually on January 15 and July 15 of each year, beginning July 15, 2014 and mature on July 15, 2019.

On April 8, 2014, we provided \$59.0 million of senior secured financing, of which \$54.0 million was funded at closing, to support the recapitalization of Ark-La-Tex Wireline Services, LLC and affiliates ("AWS"), a provider of cased hole wireline and related completion-stage services in connection with oil and gas production.

On April 8, 2014, we refinanced our existing \$15.0 million subordinated loan to Pelican Products, Inc., making a new debt investment. Concurrent with the refinancing, we received repayment of the \$15.0 million loan previously outstanding

On April 11, 2014, we made an investment of \$21.7 million to purchase 52.87% of the subordinated notes in Washington Mill CLO Ltd.

On April 11, 2014, we issued \$400.0 million aggregate principal amount of senior convertible notes that mature on April 15, 2020 (the "2020 Notes"), unless previously converted or repurchased in accordance with their terms. The 2020 Notes bear interest at a rate of 4.75% per year, payable semi-annually on April 15 and October 15 each year, beginning October 15, 2014. Total proceeds from the issuance of the 2020 Notes, net of underwriting discounts and offering costs, were \$387.5 million.

On April 14, 2014, we made an investment of \$38.2 million to purchase 78.37% of the subordinated notes in Halcyon Loan Advisors Funding 2014-2 Ltd.

On April 21, 2014, we made an \$18.3 million follow-on investment in InterDent, Inc. to fund an acquisition. During the period from February 13, 2014 to April 24, 2014 (net of redemptions and exchanges), we issued \$103.7 million in aggregate principal amount of our Prospect Capital InterNotes® for net proceeds of \$101.8 million.

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Filed pursuant to Rule 497
File No. 333-190850
PROSPECTUS SUPPLEMENT
(To Prospectus dated October 15, 2013)
Prospect Capital Corporation
Prospect Capital InterNotes®

We may offer to sell our Prospect Capital InterNotes® from time to time. The specific terms of the notes will be set prior to the time of sale and described in a pricing supplement. You should read this prospectus supplement, the accompanying prospectus and the applicable pricing supplement carefully before you invest. We may offer other debt securities from time to time other than the notes under our Registration Statement or in private placements. We may offer the notes to or through agents for resale. The applicable pricing supplement will specify the purchase price, agent discounts and net proceeds of any particular offering of notes. The agents are not required to sell any specific amount of notes but will use their reasonable best efforts to sell the notes. We also may offer the notes directly. We have not set a date for termination of our offering.

The agents have advised us that from time to time they may purchase and sell notes in the secondary market, but they are not obligated to make a market in the notes and may suspend or completely stop that activity at any time. Unless otherwise specified in the applicable pricing supplement, we do not intend to list the notes on any stock exchange. Investing in the notes involves certain risks, including those described in the "Risk Factors" section beginning on page S-7 of this prospectus supplement and page 10 of the accompanying prospectus.

This prospectus supplement and the accompanying prospectus contain important information you should know before investing in our securities. Please read it before you invest and keep it for future reference. We file annual, quarterly and current reports, proxy statements and other information about us with the Securities and Exchange Commission, or the "SEC." This information is available free of charge by contacting us at 10 East 40th Street, 44th Floor, New York, NY 10016 or by telephone at (212) 448-0702. The SEC maintains a website at www.sec.gov where such information is available without charge upon written or oral request. Our internet website address is www.prospectstreet.com. Information contained on our website is not incorporated by reference into this prospectus supplement or the accompanying prospectus and you should not consider information contained on our website to be part of this prospectus supplement or the accompanying prospectus.

Neither the SEC nor any state securities commission has approved or disapproved of these securities or passed on the adequacy or accuracy of this prospectus supplement. Any representation to the contrary is a criminal offense. Obligations of Prospect Capital Corporation and any subsidiary of Prospect Capital Corporation are not guaranteed by the full faith and credit of the United States of America. Neither Prospect Capital Corporation nor any subsidiary of Prospect Capital Corporation is a government-sponsored enterprise or an instrumentality of the United States of America.

We may sell the notes to or through one or more agents or dealers, including the agents listed below.

Incapital LLC BofA Merrill Lynch Citigroup RBC Capital Markets Prospectus Supplement dated February 3, 2014.

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FORWARD-LOOKING STATEMENTS

This prospectus supplement and the accompanying prospectus may contain forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, or the "Exchange Act," which involve substantial risks and uncertainties. Forward-looking statements predict or describe our future operations, business plans, business and investment strategies and portfolio management and the performance of our investments and our investment management business. These forward-looking statements are not historical facts, but rather are based on current expectations, estimates and projections about our industry, our beliefs, and our assumptions. Words such as "intends," "intend," "intended," "goal," "estimate," "estimates," "expects," "expect," "expected," "project," "projected," "projections," "plans," "seeks," "anticipates," "anticipated," "should," "could," "may," "will," "designed to," "foreseeable future," "believe," "believes" and "scheduled" and variations of these words and similar expressions are intended to identify forward-looking statements. Our actual results or outcomes may differ materially from those anticipated. Readers are cautioned not to place undue reliance on these forward looking statements, which speak only as of the date the statement was made. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. These statements are not guarantees of future performance and are subject to risks, uncertainties, and other factors, some of which are beyond our control and difficult to predict and could cause actual results to differ materially from those expressed or forecasted in the forward-looking statements, including without limitation:

our future operating results,

our business prospects and the prospects of our portfolio companies,

the impact of investments that we expect to make,

our contractual arrangements and relationships with third parties,

the dependence of our future success on the general economy and its impact on the industries in which we invest, the ability of our portfolio companies to achieve their objectives,

difficulty in obtaining financing or raising capital, especially in the current credit and equity environment, the level and volatility of prevailing interest rates and credit spreads, magnified by the current turmoil in the credit markets,

adverse developments in the availability of desirable loan and investment opportunities whether they are due to competition, regulation or otherwise,

a compression of the yield on our investments and the cost of our liabilities, as well as the level of leverage available to us,

our regulatory structure and tax treatment, including our ability to operate as a business development company and a regulated investment company,

the adequacy of our cash resources and working capital,

the timing of cash flows, if any, from the operations of our portfolio companies,

the ability of our investment adviser to locate suitable investments for us and to monitor and administer our investments,

authoritative generally accepted accounting principles or policy changes from such standard-setting bodies as the Financial Accounting Standards Board, the SEC, Internal Revenue Service, the NASDAQ Global Select Market, and other authorities that we are subject to, as well as their counterparts in any foreign jurisdictions where we might do business, and

the risks, uncertainties and other factors we identify in "Risk Factors" and elsewhere in this prospectus supplement and the accompanying prospectus and in our filings with the SEC.

Although we believe that the assumptions on which these forward-looking statements are based are reasonable, any of those assumptions could prove to be inaccurate, and as a result, the forward-looking statements based on those assumptions also could be inaccurate. Important assumptions include our ability to originate new loans and investments, ability to obtain certain margins and levels of profitability and the availability of additional capital. In light of these and other uncertainties, the inclusion of a projection or forward-looking statement in this prospectus supplement and the accompanying prospectus, respectively, should not be regarded as a representation by us that our plans and objectives will be achieved. These risks and uncertainties include those described or identified in "Risk"

Factors" and elsewhere in this prospectus supplement and the

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accompanying prospectus, respectively. You should not place undue reliance on these forward-looking statements, which apply only as of the date of this prospectus supplement or the accompanying prospectus, as applicable. These forward-looking statements do not meet the safe harbor for forward-looking statements pursuant to Section 27A of the Securities Act of 1933, as amended, or the "Securities Act."

You should rely only on the information contained in this prospectus supplement, including any pricing supplement included hereto, and the accompanying prospectus. We have not, and the agent(s) or dealer(s) has not, authorized any other person to provide you with information that is different from that contained in this prospectus supplement, including any pricing supplement included hereto, or the accompanying prospectus. If anyone provides you with different or inconsistent information, you should not rely on it. We are not, and the agents are not, making an offer of these securities in any jurisdiction where the offer is not permitted. You should assume that the information appearing in this prospectus supplement, including any pricing supplement included hereto, and the accompanying prospectus is accurate only as of their respective dates and we assume no obligation to update any such information. Our business, financial condition and results of operations may have changed since those dates. Although we undertake no obligation to revise or update any forward-looking statements, whether as a result of new information, future events or otherwise, you are advised to consult any additional disclosures that we any make directly to you or through reports that we have filed with the SEC, including annual reports on Form 10-K, quarterly reports on Form 10-Q and current reports on Form 8-K.

This prospectus supplement, including any pricing supplement included hereto, supersedes the accompanying prospectus to the extent it contains information that is different from or in addition to the information in that prospectus.

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