

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| OMB APPROVAL | |
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| | | |
|---|--|--|
| 1. Name and Address of Reporting Person* <u>KEMP JOHN RANDOLPH III</u> (Last) (First) (Middle) <u>C/O KOSMOS ENERGY, LLC</u> <u>8176 PARK LANE, SUITE 500</u> (Street) <u>DALLAS TX 75231</u> (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>Kosmos Energy Ltd. [KOS]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below) |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>01/09/2012</u> | |
| 4. If Amendment, Date of Original Filed (Month/Day/Year) | | |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|---------|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Shares | 01/09/2012 | | S | | 500 | D | \$13.91 | 108,024 | D | |
| Common Shares | 01/10/2012 | | S | | 14,500 | D | \$13.9 | 93,524 | D | |
| Common Shares | | | | | | | | 1,800 | I | See Footnotes ⁽¹⁾ |
| Common Shares | | | | | | | | 662,816 | I | See Footnotes ⁽²⁾ |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|--|--|---|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | | | | | |

Explanation of Responses:

- These shares are owned by the reporting person's wife. The reporting person disclaims beneficial ownership of these shares except to the extent of his pecuniary interest therein.
- These shares granted under the Issuer's Long Term Incentive Plan are directly owned by the Rhonda N. Kemp 2011 Trust No. 1, Rhonda N. Kemp 2011 Trust No. 2, John R. Kemp, IV 2011 Trust No. 1, John R. Kemp, IV 2011 Trust No. 2, John R. Kemp, III 2011 Grantor Retained Annuity Trust and the Rosalind I. Kemp 2011 Grantor Retained Annuity Trust in the amount of 26,579, 26,579, 26,579, 26,579, 278,250 and 278,250 common shares, respectively. The reporting person disclaims beneficial ownership of these shares except to the extent of his pecuniary interest therein.

/s/ William S. Hayes, attorney- 01/10/2012
in-fact

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.