

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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>Dunlevy W Greg</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) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Executive V.P and CFO</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/16/2011</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	05/16/2011		J ⁽¹⁾		5,512,635	A	\$0 ⁽¹⁾	5,512,635	D	
Common Shares	05/16/2011		P		10,000	A	\$18 ⁽²⁾	5,522,635	D	
Common Shares	05/16/2011		J ⁽³⁾		1,865,579	A	\$0 ⁽³⁾	1,865,579	I	See footnote. ⁽³⁾
Common Shares	05/18/2011		A ⁽⁴⁾		1,552,941	A	\$0 ⁽⁴⁾	7,075,576	D	

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						Title
Common Shares (Right to Receive)	(5)	05/18/2011		A		388,235		(6)	(6)	Common Shares	388,235	\$0 ⁽⁶⁾	388,235	D	

Explanation of Responses:

1. In connection with a corporate reorganization, which involved Kosmos Energy Holdings becoming wholly-owned by the Issuer, and the Issuer's initial public offering described in the prospectus dated May 11, 2011, the reporting person received 4,911,262 common shares in exchange for his vested units in Kosmos Energy Holdings, the Issuer's predecessor, and 601,373 restricted shares in exchange for his unvested profit units in Kosmos Energy Holdings under the Issuer's Long Term Incentive Plan (the "Plan"). Subject to the terms of the Plan and an award agreement under the Plan, these restricted shares are scheduled to vest on the same dates as the exchanged profit units were scheduled to vest, as follows: 123,619 of these restricted shares are scheduled to vest on June 13, 2011, and 477,754 of these restricted shares are scheduled to vest 50% on June 11, 2011 and 50% on June 11, 2012.

2. The price to the public in the Issuer's initial public offering.

3. These shares granted under the Plan are directly owned by 2008 Carnegie, Ltd., an entity controlled by the reporting person. In connection with the Issuer's corporate reorganization and initial public offering, 2008 Carnegie Ltd., received 1,158,335 common shares in exchange for its vested units in Kosmos Energy Holdings and 707,244 restricted shares in exchange for its unvested profit units under the Plan. Subject to the terms of the Plan and an award agreement under the Plan, the restricted shares are scheduled to vest on the same dates as the exchanged profit units were scheduled to vest, as follows: 50% are scheduled to vest on June 11, 2011 and 50% are scheduled to vest on June 11, 2012. The reporting person disclaims beneficial ownership of these shares except to the extent of his pecuniary interest therein.

4. These restricted shares were granted under the Plan and are scheduled to vest 25% on each of the first four anniversaries of May 16, 2011, subject to the terms of the Plan and an award agreement under the Plan.

5. 1 for 1.

6. In connection with the Issuer's initial public offering, the reporting person acquired a contractual right to receive restricted shares under the Plan within 30 days after the offering. These restricted shares are scheduled to vest 25% on each of the first four anniversaries of May 16, 2011 based on the satisfaction of certain performance conditions, in accordance with the terms of the Plan and an award agreement to be issued under the Plan.

Remarks:

/s/ Phillip Feiner, as Attorney-
in-Fact 05/18/2011

** 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.