

UNDERDOWN WILLIAM R JR
 Form 4
 September 11, 2012

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 OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 UNDERDOWN WILLIAM R JR

(Last) (First) (Middle)
 191 CHAPARRAL RD
 (Street)

VICTORIA, TX 77905

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

URANIUM ENERGY CORP [UEC]

3. Date of Earliest Transaction (Month/Day/Year)

09/05/2012

4. If Amendment, Date Original Filed (Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 ___X___ Officer (give title below) ___ Other (specify below)

Vice President Production

6. Individual or Joint/Group Filing (Check Applicable Line)

___X___ Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

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 Ownership (Instr. 4)
				(A) or (D)	Price		
			Code	V	Amount	(D)	
Common Stock	09/05/2012		M		75,000	A	
					\$ 0.45		
					79,123		D

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

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

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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 Underlying Securities (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Options to purchase	\$ 0.45	09/05/2012		M	75,000	11/01/2007	11/01/2017	Common Stock	75,000

Reporting Owners

Reporting Owner Name / Address	Relationships
UNDERDOWN WILLIAM R JR 191 CHAPARRAL RD VICTORIA, TX 77905	Director 10% Owner Officer Vice President Production

Signatures

/s/ William R.
Underdown
Date: 09/11/2012

**Signature of Reporting Person

Explanation of Responses:

- * 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).
- Subsequent to such exercise, the Reporting Person holds options to purchase 85,000 shares at an exercise price of \$2.40 per share (1) expiring on August 26, 2019, 100,000 shares at an exercise price of \$2.43 per share, expiring on August 13, 2020 and 40,000 shares at an exercise price of \$2.78 per share, expiring on September 26, 2021.
- Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.