

ALEXCO RESOURCE CORP  
Form 6-K  
September 13, 2016

---

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16  
UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of September **2016**

Commission File Number: 001-33621

ALEXCO RESOURCE CORPORATION  
(Translation of registrant's name into English)

Suite 1225, Two Bentall Centre  
555 Burrard Street, Box 216  
Vancouver, BC V7X 1M9 Canada  
(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

[  ] Form 20-F [  ] Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): [  ]

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): [  ]

---

SUBMITTED HEREWITH

Exhibits

99.1 Alexco Confirms, Expands High Grade Silver Zone at Bermingham Deposit; Drilling Continues

---

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

ALEXCO RESOURCE CORP.  
(Registrant)

Date: September 13, 2016 By: /s/ Mike Clark  
Mike Clark  
Chief Financial Officer

---