

ALEXCO RESOURCE CORP  
Form 6-K  
December 24, 2014

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**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 **DECEMBER, 2014**

Commission File Number: **001-33621**

**ALEXCO RESOURCE CORPORATION**

(Translation of registrant's name into English)

**Suite 1150-200 Granville Street**  
**Vancouver, British Columbia, Canada V6C 1S4**  
(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 [ x ] 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): [        ]

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**SUBMITTED HEREWITH**

Exhibits

99.1 Updated Preliminary Economic Assessment for the Keno Hill Silver District Project - Phase 2, Yukon, Canada Dated December 10, 2014

99.2 Consent of Author - Laura Battison

99.3 Consent of Author - David Farrow

99.4 Consent of Author - Alan McOnie

99.5 Consent of Author - Adrian Dance

99.6 Consent of Author - Bruce Murphy

99.7 Consent of Author - Gilles Arseneau

99.8 Consent of Author - Ken Reipas

99.9 Consent of Author - Kelly Sexsmith

99.10 Consent of Author - Stephen Taylor

99.11 Consent of Author - Scott Smith

99.12 Consent of Author - James Richard Trimble

99.13 Certificate of Qualified Person - Laura Battison

99.14 Certificate of Qualified Person - David Farrow

99.15 Certificate of Qualified Person - Alan McOnie

99.16 Certificate of Qualified Person - Dr. Adrian Dance

99.17 Certificate of Qualified Person - Bruce Murphy

99.18 Certificate of Qualified Person - Dr. Gilles Arseneau

99.19 Certificate of Qualified Person - James Richard Trimble

99.20 Certificate of Qualified Person - Ken Reipas

99.21 Certificate of Qualified Person - Kelly Sexsmith

99.22 Certificate of Qualified Person - Stephen Taylor

99.23 Certificate of Qualified Person - Scott Smith

99.24 Press Release Dated December 23, 2014

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**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: December 24, 2014

By: */s/ David E. Whittle*

David E. Whittle

Chief Financial Officer

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