

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

FORM 10-Q

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended March 31, 2010

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission file number: 001-34055



TIMBERLINE RESOURCES CORPORATION

(Exact Name of Registrant as Specified in its Charter)

DELAWARE

(State of other jurisdiction of incorporation or organization)

82-0291227

(I.R.S. Employer Identification No.)

**101 EAST LAKESIDE AVENUE
COEUR D'ALENE, IDAHO**

(Address of Principal Executive Offices)

83814

(Zip Code)

(208) 664-4859

(Registrant's Telephone Number, including Area Code)

(Former name, former address and former fiscal year, if changed since last report)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the past 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See definition of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

Indicate by check mark whether the Registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act) Yes No

Number of shares of issuer's common stock outstanding at May 10, 2010: 41,244,398

INDEX

Page No.(s)

PART I - FINANCIAL INFORMATION

Item 1.	Consolidated Financial Statements (Unaudited).	3
	Consolidated Balance Sheets at March 31, 2010 and September 30, 2009	5
	Consolidated Statements of Operations for the three months and six months ended March 31, 2010 and 2009	6
	Consolidated Statements of Cash Flows for the six months ended March 31, 2010 and 2009	7
	Notes to Consolidated Financial Statements	8
Item 2.	Management's Discussion and Analysis of Financial Condition and Results of Operations.	18
Item 3.	Quantitative and Qualitative Disclosures About Market Risk.	25
Item 4.	Controls and Procedures.	25
PART II - OTHER INFORMATION		
Item 1.	Legal Proceedings.	26
Item 1A.	Risk Factors.	26
Item 2.	Unregistered Sales of Equity Securities and Use of Proceeds.	28
Item 3.	Defaults Upon Senior Securities.	28
Item 4.	[Reserved]	28
Item 5.	Other Information.	28
Item 6.	Exhibits.	28
SIGNATURES		29

PART I — FINANCIAL INFORMATION

ITEM 1. CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

**TIMBERLINE RESOURCES CORPORATION AND
SUBSIDIARIES**

Consolidated Financial Statements

March 31, 2010

Timberline Resources Corporation and Subsidiaries

Contents

	<i>Page</i>
<i>FINANCIAL STATEMENTS:</i>	
<i>Consolidated balance sheets</i>	5
<i>Consolidated statements of operations</i>	6
<i>Consolidated statements of cash flows</i>	7
<i>Notes to consolidated financial statements</i>	8 - 17

TIMBERLINE RESOURCES CORPORATION AND SUBSIDIARIES
CONSOLIDATED BALANCE SHEETS

	March 31, 2010 (unaudited)	September 30, 2009 (audited)
ASSETS		
CURRENT ASSETS:		
Cash and cash equivalents	\$ 3,609,607	\$ 969,784
Accounts receivable, net of allowance for doubtful accounts of \$257,456	1,388,539	1,422,951
Materials and supplies inventory	1,048,504	1,088,428
Prepaid expenses and other current assets	673,371	609,545
TOTAL CURRENT ASSETS	6,720,021	4,090,708
PROPERTY, MINERAL RIGHTS AND EQUIPMENT:		
Property, mineral rights and equipment, net	6,105,128	6,302,531
TOTAL PROPERTY, MINERAL RIGHTS AND EQUIPMENT	6,105,128	6,302,531
OTHER ASSETS:		
Investment in joint venture	621,000	621,000
Restricted cash	42,848	42,687
Deposits and other assets	182,530	158,777
Goodwill	2,808,524	2,808,524
TOTAL OTHER ASSETS	3,654,902	3,630,988
TOTAL ASSETS	\$ 16,480,051	\$ 14,024,227
LIABILITIES AND STOCKHOLDERS' EQUITY		
CURRENT LIABILITIES:		
Accounts payable	\$ 1,214,107	\$ 1,222,901
Accrued expenses	634,297	813,418
Accrued payroll and benefits	466,039	247,932
Accrued taxes	405,453	473,865
Current portion of long term debt	150,319	159,320
Current portion of obligations under capital leases	264,493	403,820
Current portion of customer advances	450,000	600,000
Convertible note payable to related party	5,000,000	-
Accrued interest on convertible note payable to related party, due at maturity	757,582	-
TOTAL CURRENT LIABILITIES	9,342,290	3,921,256
LONG-TERM LIABILITIES:		
Long term debt, net of current portion	320,836	237,638
Obligations under capital leases, net of current portion	50,769	167,632
Asset retirement obligation	253,215	-
Convertible note payable to related party	-	5,000,000
Accrued interest on convertible note payable to related party, due at maturity	-	477,916
Customer advances, net of current portion	-	150,000
TOTAL LONG-TERM LIABILITIES	624,820	6,033,186
COMMITMENTS AND CONTINGENCIES (NOTE 12)	-	-
STOCKHOLDERS' EQUITY:		
Preferred stock, \$0.01 par value; 10,000,000 shares authorized, none issued and outstanding	-	-
Common stock, \$0.001 par value; 100,000,000 shares authorized, 41,244,398 and 36,045,111 shares issued and outstanding, respectively	41,244	36,045
Additional paid-in capital	33,443,667	29,164,116
Accumulated deficit	(26,971,970)	(25,130,376)
TOTAL STOCKHOLDERS' EQUITY	6,512,941	4,069,785
TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY	\$ 16,480,051	\$ 14,024,227

See accompanying notes to consolidated financial statements.

TIMBERLINE RESOURCES CORPORATION AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF OPERATIONS

	Three Months Ended		Six Months Ended	
	March 31,		March 31,	
	2010	2009	2010	2009
	(unaudited)	(unaudited)	(unaudited)	(unaudited)
REVENUES	\$ 5,264,441	\$ 3,493,384	\$ 9,228,069	\$ 8,184,080
COST OF REVENUES	4,298,166	3,708,701	7,486,051	8,616,747
GROSS PROFIT (LOSS)	1,211,717	(215,317)	1,742,018	(432,667)
OPERATING EXPENSES:				
Mineral exploration expenses	231,839	44,731	286,132	312,619
Salaries and benefits	487,285	513,708	970,831	1,566,271
Insurance expense	119,668	59,526	244,552	312,664
Professional fees expense	238,405	269,467	647,700	1,561,678
Severance expense (recovery)	51,300	(350,000)	51,300	(350,000)
Other general and administrative expenses	636,648	406,367	1,173,038	1,045,731
TOTAL OPERATING EXPENSES	<u>1,765,145</u>	<u>943,799</u>	<u>3,373,553</u>	<u>4,448,963</u>
LOSS FROM OPERATIONS	<u>(798,870)</u>	<u>(1,159,116)</u>	<u>(1,631,535)</u>	<u>(4,881,630)</u>
OTHER INCOME (EXPENSE):				
Other income	1,798	19,337	42,070	37,779
Foreign exchange gain (loss)	42,346	11,095	61,303	(97,084)
Loss on derivative	-	-	-	(154,064)
Interest income	5,811	14,872	11,268	22,025
Related party interest expense	(141,573)	(128,154)	(279,665)	(211,835)
Interest expense	(19,044)	(150,171)	(45,035)	(807,799)
TOTAL OTHER EXPENSE	<u>(110,662)</u>	<u>(233,021)</u>	<u>(210,059)</u>	<u>(1,210,978)</u>
NET LOSS BEFORE INCOME TAXES	<u>(909,532)</u>	<u>(1,392,137)</u>	<u>(1,841,594)</u>	<u>(6,092,608)</u>
INCOME TAX RECOVERY	<u>-</u>	<u>179,891</u>	<u>-</u>	<u>145,089</u>
NET LOSS	<u>\$ (909,532)</u>	<u>\$ (1,212,246)</u>	<u>\$ (1,841,594)</u>	<u>\$ (5,947,519)</u>
NET LOSS PER SHARE AVAILABLE TO COMMON STOCKHOLDERS, BASIC AND DILUTED	<u>\$ (0.02)</u>	<u>\$ (0.03)</u>	<u>\$ (0.05)</u>	<u>\$ (0.19)</u>
WEIGHTED AVERAGE NUMBER OF COMMON SHARES OUTSTANDING, BASIC AND DILUTED	<u>40,878,409</u>	<u>34,651,992</u>	<u>39,595,028</u>	<u>32,036,879</u>

See accompanying notes to consolidated financial statements.

TIMBERLINE RESOURCES CORPORATION AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF CASH FLOWS

	Six Months Ended	
	March 31,	
	2010 (unaudited)	2009 (unaudited)
CASH FLOWS FROM OPERATING ACTIVITIES:		
Net loss	\$ (1,841,594)	\$ (5,947,519)
Adjustments to reconcile net loss to net cash used by operating activities:		
Depreciation and amortization	694,805	704,185
Loss (gain) on disposal of equipment	50,625	(47,040)
Stock based compensation	534,675	971,150
Accretion of asset retirement obligation	3,126	-
Other non cash compensation	33,845	-
Inventory writedown	60,916	-
Impairment of mineral rights	35,000	55,000
Allowance for doubtful accounts	-	100,000
Amortization of deferred financing cost	-	202,550
Deferred offering and acquisition costs	-	923,957
Loss on derivative	-	154,064
Severance recovery	-	(350,000)
Changes in assets and liabilities:		
Accounts receivable	34,412	2,515,507
Materials and supplies inventory	(20,992)	607,764
Prepaid expenses and other current assets, deposits and other assets	(87,579)	(753,310)
Accounts payable	(8,794)	21,912
Accrued expenses	(179,121)	(8,372)
Accrued payroll and benefits	218,107	(263,988)
Accrued taxes	(68,412)	(330,240)
Accrued interest on convertible note payable to related party, due at maturity	279,666	211,835
Accrued severance	-	(50,000)
Deferred revenue	-	(27,315)
Net cash used by operating activities	<u>(261,315)</u>	<u>(1,309,860)</u>
CASH FLOWS FROM INVESTING ACTIVITIES:		
Purchase of equipment and building	(171,188)	(21,437)
Change in restricted cash	(161)	244,028
Proceeds from sale of equipment	21,805	1,028,336
Purchase of mineral rights	(15,000)	-
Purchase of land	(27,400)	-
Net cash provided (used) by investing activities	<u>(191,944)</u>	<u>1,250,927</u>
CASH FLOWS FROM FINANCING ACTIVITIES:		
Proceeds from issuances of stock and warrants, net of stock offering costs	2,807,162	-
Proceeds from exercise of warrants	542,972	-
Proceeds from exercise of options	399,941	-
Payments on long term debt	(100,803)	(262,296)
Payments on capital leases	(256,190)	(277,588)
Payments on customer advances	(300,000)	-
Repayment of bridge loan financing	-	(8,000,000)
Proceeds from short term convertible note	-	5,000,000
Proceeds from convertible note payable to related party	-	5,000,000
Net cash provided by financing activities	<u>3,093,082</u>	<u>1,459,716</u>
Net increase in cash and cash equivalents	2,639,823	1,400,783
CASH AND CASH EQUIVALENTS AT BEGINNING OF PERIOD	<u>969,784</u>	<u>737,503</u>
CASH AND CASH EQUIVALENTS AT END OF PERIOD	<u>\$ 3,609,607</u>	<u>\$ 2,138,286</u>
NON-CASH FINANCING AND INVESTING ACTIVITIES:		
Initial measurement of asset retirement obligation	\$ 250,089	\$ -
Long term debt issued for property purchase	175,000	-
Conversion of short term convertible note into common stock	-	5,000,000
Settlement of put option with common stock	-	246,400
Account receivable exchanged for equipment	-	104,220

See accompanying notes to consolidated financial statements.

NOTE 1 – ORGANIZATION AND DESCRIPTION OF BUSINESS:

Timberline Resources Corporation (“Timberline” or “the Company”) was incorporated in August of 1968 under the laws of the state of Idaho as Silver Crystal Mines, Inc., for the purpose of exploring for precious metal deposits and advancing them to production.

In 2006, the Company acquired Kettle Drilling, Inc. (“Kettle Drilling” or “Kettle”) and its Mexican subsidiary, World Wide Exploration S.A. de C.V. (“World Wide”). Kettle provides drilling services to the mining and mineral exploration industries in North America. In September 2008, Kettle Drilling, Inc. changed its name to Timberline Drilling Incorporated (“Timberline Drilling”).

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:

- a. *Basis of presentation* – The accompanying unaudited consolidated financial statements have been prepared by the Company in accordance with accounting principles generally accepted in the United States of America for interim financial information, as well as the instructions to Form 10-Q. Accordingly, they do not include all of the information and footnotes required by accounting principles generally accepted in the United States of America for complete financial statements. In the opinion of the Company’s management, all adjustments (consisting of only normal recurring accruals) considered necessary for a fair presentation of the interim financial statements have been included. Operating results for the three and six month periods ended March 31, 2010 are not necessarily indicative of the results that may be expected for the full year ending September 30, 2010.

For further information refer to the financial statements and footnotes thereto in the Company’s Annual Report on Form 10-K for the year ended September 30, 2009.

- b. *Exploration Expenditures* – All exploration expenditures are expensed as incurred. Significant property acquisition payments for active exploration properties are capitalized. If no mineable ore body is discovered, previously capitalized costs are expensed in the period the property is abandoned.
- c. *Estimates and assumptions* – The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires the use of estimates and assumptions that affect the reported amounts of assets and liabilities at the dates of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from these estimates and assumptions and could have a material effect on the Company’s reported financial position and results of operations.
- d. *Accounts Receivable* – Accounts receivable are carried at original invoice amount less an estimate for doubtful accounts. Management determines the allowance for doubtful accounts by regularly evaluating individual customer receivables and considering a customer’s financial condition, credit history, and current economic conditions. Trade receivables are written off when deemed uncollectible. Recoveries of receivables previously written off are recorded as income when received.
- e. *Materials and supplies inventory* – Inventories consist primarily of parts, operating supplies, drill rods and drill bits. The Company values its materials and supplies inventory, with the exception of drill rods, at the lower of average cost or market. Drill rods are valued using their average cost less an allowance for rod usage on a per foot drilled basis. Allowances are recorded for inventory considered to be in excess or obsolete.
- f. *Goodwill* – Goodwill relates to the acquisition of Timberline Drilling. At least annually, goodwill is tested for impairment by applying a fair value based test. In assessing the value of goodwill, assets and liabilities are assigned to the reporting units and a discounted cash flow analysis is used to determine fair value. There was no impairment loss revealed by this test as of September 30, 2009.
- g. *Reclassifications* – Certain amounts in the prior period financial statements have been reclassified for comparative purposes to conform to current period presentation with no effect on previously reported net loss.

TIMBERLINE RESOURCES CORPORATION AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
March 31, 2010

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES, (continued):

- h. *Provision for Taxes* – Income taxes are provided based upon the liability method of accounting. Under this approach, deferred income taxes are recorded to reflect the tax consequences in future years of differences between the tax basis of assets and liabilities and their financial reporting amounts at each year-end. A valuation allowance is recorded against the deferred tax asset if management believes it is more likely than not that some portion or all of the deferred tax assets will not be realized.
- i. *Stock-based compensation* – The Company estimates the fair value of its stock based compensation using the Black-Scholes model, which requires the input of some subjective assumptions. These assumptions include estimating the length of time employees will retain their vested stock options before exercising them (“expected life”), the estimated volatility of the Company’s common stock price over the expected term (“volatility”), employee forfeiture rate, the risk-free interest rate and the dividend yield. Changes in the subjective assumptions can materially affect the estimate of fair value of stock-based compensation.
- j. *Net income (loss) per share* –Basic EPS is computed as net income (loss) divided by the weighted average number of common shares outstanding for the period. Diluted EPS reflects the potential dilution that could occur from common shares issuable through stock options, warrants, and other convertible securities.

The dilutive effect of convertible securities, in periods of future income as of March 31, 2010 and 2009, would be as follows:

	March 31, 2010	March 31, 2009
Stock options	4,971,082	4,675,835
Warrants	1,697,938	1,337,934
Convertible debt	3,838,388	3,474,556
Total possible dilution	10,507,408	9,488,325

At March 31, 2010 and 2009, the effect of the Company’s outstanding options and common stock equivalents would have been anti-dilutive.

- k. *Asset retirement obligation* – The Company accounts for asset retirement obligations by following the uniform methodology for accounting for estimated reclamation and abandonment costs as prescribed by authoritative accounting guidance. This guidance provides that the fair value of a liability for an asset retirement obligation (ARO) will be recognized in the period in which it is incurred if a reasonable estimate of fair value can be made. The ARO is capitalized as part of the carrying value of the assets to which it is associated, and depreciated over the useful life of the asset. The Company has an ARO associated with its underground exploration program at the Butte Highlands Gold Project (see Note 7).
- l. *New accounting pronouncements* – In September 2006, the Financial Accounting Standards Board (“FASB”) Accounting Standards Codification (“ASC”) was updated to establish a framework for measuring fair value and expand disclosure about fair value measurements, but does not require any new fair value measurements. Effective October 1, 2008, the Company adopted the updated guidance for our financial assets and financial liabilities without a material effect on the Company’s consolidated financial statements. In February 2008, the FASB issued an update to the guidance which delayed the effective date for non-financial assets and non-financial liabilities to fiscal years beginning after November 15, 2008. Effective October 1, 2009, the Company adopted the updated guidance for non-financial assets and non-financial liabilities without a material effect on the Company’s consolidated financial statements.

In December 2007, the ASC guidance for business combinations was updated to provide new guidance for recognizing and measuring identifiable assets and goodwill acquired, liabilities assumed, and any noncontrolling interest in the acquire. The updated guidance also provides disclosure requirements to enable users of the financial statements to evaluate the nature and financial effects of the business combination. Effective October 1, 2009, the Company adopted the updated guidance for business combinations without a material effect on the Company’s consolidated financial statements.

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES, (continued):

In December 2007, the ASC guidance for non-controlling interests was updated to establish accounting and reporting standards for minority interests, which will be re-characterized as non-controlling interests and classified as a component of equity. The updated guidance requires retroactive adoption of the presentation and disclosure requirements for existing minority interests. The updated guidance is effective for fiscal years beginning on or after December 15, 2008 and interim periods within those fiscal years. Effective October 1, 2009 the Company adopted the updated guidance without a material effect on the Company's consolidated financial statements.

In March 2008, the ASC guidance for derivatives and hedging was updated to require enhanced disclosures about an entity's derivative and hedging activities and thereby improve the transparency of financial reporting. The updated guidance is effective for financial statements issued for fiscal years and interim periods beginning after November 15, 2008, with early application encouraged. The updated guidance encourages, but does not require, comparative disclosures for earlier periods at initial adoption. Effective October 1, 2009 the Company adopted the updated guidance without a material effect on the Company's consolidated financial statements.

In May 2008, the ASC guidance identifying the sources of accounting principles and the framework for selecting the principles to be used in the preparation of financial statements of nongovernmental entities that are presented in conformity with generally accepted accounting principles in the United States was updated. The guidance was effective November 15, 2008 and its adoption did not have a material effect on the Company's consolidated financial statements.

In May 2009, the ASC guidance for subsequent events was updated to establish general standards of accounting for and disclosure of events that occur after the balance sheet date but before financial statements are issued. This statement is effective for interim and annual periods ending after June 15, 2009. Accordingly, the Company adopted the updated guidance in its quarter ending June 30, 2009. The adoption of this statement did not have a material effect on the Company's consolidated financial statements.

In June 2009, the ASC guidance for consolidation accounting was updated to require an analysis to determine whether a variable interest gives the entity a controlling financial interest in a variable interest entity. This statement requires an ongoing reassessment and eliminates the quantitative approach previously required for determining whether an entity is the primary beneficiary. This statement is effective for fiscal years beginning after Nov. 15, 2009. Accordingly, the Company will adopt this updated guidance in fiscal year 2011 and is currently evaluating the impact of adopting this guidance on the consolidated financial statements.

NOTE 3 – FAIR VALUE MEASUREMENTS:

Effective October 1, 2008 for financial assets and liabilities, and October 1, 2009 for non-financial assets and liabilities, the Company has adopted expanded disclosure requirements to include the following information for each major category of assets and liabilities that are measured at fair value on a recurring or non recurring basis:

- a. the fair value measurement;
- b. the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets or liabilities (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3);

TIMBERLINE RESOURCES CORPORATION AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
March 31, 2010

NOTE 3 – FAIR VALUE OF FINANCIAL INSTRUMENTS, (continued):

c. for fair value measurements using significant unobservable inputs (Level 3), a reconciliation of the beginning and ending balances, separately presenting changes during the period attributable to the following:

- 1) total gains or losses for the period (realized and unrealized), segregating those gains or losses included in earnings (or changes in net assets), and a description of where those gains or losses included in earnings (or changes in net assets) are reported in the statement of income (or activities);
- 2) the amount of these gains or losses attributable to the change in unrealized gains or losses relating to those assets liabilities still held at the reporting period date and a description of where those unrealized gains or losses are reported;
- 3) purchases, sales, issuances, and settlements (net); and
- 4) transfers in and/or out of Level 3.

The table below sets forth our assets and liabilities that were accounted for at fair value on a recurring basis as of March 31, 2010 and September 30, 2009, and the fair value calculation input hierarchy level that we have determined applies to each asset and liability category. There were no assets or liabilities valued on a nonrecurring basis at March 31, 2010.

	<u>March 31,</u> <u>2010</u>	<u>September 30,</u> <u>2009</u>	<u>Input</u> <u>Hierarchy</u> <u>Level</u>
Assets:			
Cash and cash equivalents	\$ 3,609,607	\$ 969,784	Level 1
Restricted cash	42,848	42,687	Level 1
Investment in Rae Wallace	50,000	50,000	Level 2

NOTE 4 – CUSTOMER ADVANCES:

During the year ended September 30, 2009, a major customer provided an advance payment for drilling services of \$1,000,000 to the Company and extended its contract with the Company through February 2011. The advance is to be repaid by twenty monthly payments of \$50,000 beginning May 15, 2009 and ending December 15, 2010. The advance was provided pursuant to a contract change order which did not contain any provisions for interest or prepayment penalties, nor any specified right of offset. As of March 31, 2010 and September 30, 2009, customer advances were \$450,000 and \$750,000, respectively, and \$150,000 of the remaining customer advance balance was classified as a long-term liability as of September 30, 2009.

NOTE 5 – INVESTMENT IN JOINT VENTURE:

In July 2009, the Company entered into a Joint Venture Operating Agreement with Highland Mining, LLC (“Highland”), an entity controlled by Ronald Guill, a director of the Company. The joint venture entity, Butte Highlands JV, LLC (“BHJV”) was created for the purpose of developing and mining the Butte Highlands Gold Project. As a result of its contribution of the Company’s 100% interest in the Butte Highlands Gold Project, carried on its balance sheet at the original purchase price of the Butte Highlands project (\$621,000) to BHJV, the Company holds a 50% interest in BHJV. Under terms of the agreement, the Company will be carried to production by Highland, which will fund all future project exploration and mine development costs.

Under the operating agreement for BHJV, Highland will contribute property and fund all future mine development costs at Butte Highlands. Both the Company’s and Highlands’s share of development costs will be paid from proceeds of future mine production. The BHJV operating agreement stipulates that Highland shall appoint a manager of BHJV and that Highland will manage BHJV until such time as all mine development costs, less \$2 million, are distributed to Highland out of the proceeds from future mine production.

TIMBERLINE RESOURCES CORPORATION AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
March 31, 2010

NOTE 6 – RELATED PARTY TRANSACTIONS:

Related party notes payable consist of the following at March 31, 2010 and September 30, 2009:

	March 31, 2010	September 30, 2009
Small Mine Development, LLC	\$ <u>5,000,000</u>	\$ <u>5,000,000</u>
Accrued interest on note payable to Small Mine Development, LLC, payable at maturity	\$ <u>757,582</u>	\$ <u>477,916</u>

On October 31, 2008, the Company entered into a series of agreements with SMD in connection with a \$5 million loan from SMD. The loan documents included: a convertible note (the “Convertible Term Note”), a credit agreement (the “Credit Agreement”), a collateral assignment and pledge of stock and security agreement (the “Pledge Agreement”), a security agreement (the “Security Agreement”) and a right of first refusal over the Company’s Butte Highlands property (the “Right of First Refusal”).

The Convertible Term Note has a principal amount of \$5 million and is collateralized with all of the stock of Timberline Drilling, Inc., and a Deed of Trust covering the Company’s Butte Highlands property in Silver Bow County, Montana (the “Butte Highlands Property”).

Pursuant to the terms of the Credit Agreement, the Convertible Term Note bears interest at 10% annually, compounded monthly, with interest due at maturity. The Convertible Term Note is convertible by SMD at any time prior to payment of the note in full, at a conversion price of \$1.50 per share. Should the Company issue any form of equity security other than the Company’s common stock, SMD may also convert all or any portion of the outstanding amount under the Convertible Term Note into the new form of equity security at the issuance price of the new form of equity security. Management analyzed the conversion features contained in this note considering the guidance provided in the ASC for derivatives and hedging. Management’s conclusion was that these convertible features are conventional convertible instruments and thus would qualify for equity classification. As conventional convertible instruments, the embedded conversion options qualify for the scope exception provided in the guidance for derivatives and hedging, and therefore would not be bifurcated from the host instrument.

The Convertible Term Note must be repaid on or before October 31, 2010, including interest due at maturity, and may be prepaid in whole or in part at any time without premium or penalty. If the Company defaults on the Convertible Term Note or any of the related agreements, SMD may declare the Convertible Term Note immediately due and payable, and the Company must pay SMD an origination fee in the amount of \$50,000.

Under the Right of First Refusal, the Company granted SMD a right of first refusal to purchase the Butte Highlands Property on the same terms as those of any bona fide offer from a third-party upon 60 days’ notice from the Company of any such offer. In addition, the Company granted SMD a right to develop the Butte Highlands Property on the same terms as those of any bona fide offer to develop the property from a third-party upon 60 days’ notice from the Company of any such offer.

Butte Highlands Joint Venture Agreement

On October 27, 2008 the Company announced it had entered into discussions with Mr. Guill to form a 50/50 joint venture with SMD at Timberline’s 100-percent owned Butte Highlands Gold Project.

On July 22, 2009, the Company entered into an Operating Agreement with Highland Mining, LLC (“Highland”), an affiliate of SMD, to form a 50/50 joint venture for development and mining of the Company’s Butte Highlands Gold Project (See Note 5). Under the terms of the operating agreement, the Company will contribute its Butte Highlands property to BHJV for a deemed value of \$2 million, and Highland will contribute property and fund all future mine development costs. Both the Company’s and Highland’s share of costs will be paid out of proceeds from future mine production.

TIMBERLINE RESOURCES CORPORATION AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
March 31, 2010

NOTE 6 – RELATED PARTY TRANSACTIONS, (continued):

Mr. Guill, a director of the Company and an owner of Highland, will be the manager of BHJV until such time as income in an amount equal to all mine development costs less \$2 million is distributed to Highland. At that time, a management committee, with equal representation from Highland and the Company, will be the manager of BHJV. Under the terms of the Operating Agreement, Highland will have preferential rights with respect to distributions until the investment by Highland is deemed equal to the investment by the Company.

At March 31, 2010 and September 30, 2009, the Company has a receivable from BHJV for expenses incurred on behalf of BHJV in the amount of \$28,389 and \$167,073, respectively. This amount is included in prepaid expenses and other current assets on the consolidated balance sheet at March 31, 2010 and September 30, 2009.

Swallow Consulting Agreement

On December 15, 2009 the Company entered into an agreement with John Swallow, a former director and former executive of the Company, to provide advisory services as needed and requested by the Company through June 30, 2010. In exchange for these services the Company has agreed to pay Mr. Swallow \$170,000.

NOTE 7 – ASSET RETIREMENT OBLIGATION:

The Company has an asset retirement obligation (ARO) associated with the underground exploration program at the Butte Highlands Gold Project being performed by BHJV (see Note 5). The ARO resulted from the reclamation and remediation requirements of the Montana Department of Environmental Quality as outlined in the Company's permit to carry out the exploration program.

Estimated reclamation costs were discounted using a credit adjusted risk-free interest rate of 5% from the time the Company expects to pay the retirement obligation to the time it incurred the obligation, which is estimated at 12 years. The following table summarizes activity in the Company's ARO.

	Six Months Ended March 31, 2010
Balance at September 30, 2009	-
Initial measurement	\$ 250,089
Accretion expense	3,126
Balance at March 31, 2010	<u>\$ 253,215</u>

NOTE 8 – INCOME TAXES:

During the three months and six months ended March 31, 2010, the Company realized no income tax benefit or provision. During the three months and six months ended March 31, 2009 the Company realized an income tax benefit of \$179,891 and \$145,089, respectively for Mexican income taxes.

For the fiscal year ending September 30, 2010 the Company anticipates an effective income tax rate of 31% in Mexico and 0% in the United States due to the availability of accumulated net operating losses to offset any U.S. income taxes.

TIMBERLINE RESOURCES CORPORATION AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
March 31, 2010

NOTE 9 – COMMON STOCK AND WARRANTS:

During November 2009, the Company initiated a private placement of the Company’s restricted common stock. Under the private placement subscription agreement, the Company could sell up to 3,000,000 units at a price of \$1.00 per unit for a total of \$3,000,000. The Company reserved the right to increase the amount of the offering in the event that the offering was oversubscribed. Each unit consisted of one share of common stock and one half of one Class A Warrant; with each whole warrant exercisable to acquire one additional share of common stock at an exercise price of \$1.50 per share until May 31, 2010, and thereafter at an exercise price of \$1.75 per share until March 25, 2011. No registration rights were granted for the shares of common stock or the shares of common stock underlying the warrants. The units were sold for \$1.00 each, representing management’s estimate of the fair value of the unit. The Company sold a total of 3,003,400 units for gross proceeds of \$3,003,400 and the placement closed on November 23, 2009. The Company incurred \$196,238 in expenses with respect to the offering, resulting in net proceeds of \$2,807,162. In connection with the offering, the Company also issued 196,238 warrants, with the same terms of exercise as described above, to brokers acting as agents for the private placement. The value of the 1,697,638 issued warrants, using the Black-Scholes option pricing model with a risk free interest rate of 0.29%, stock price on the date of closing of \$1.18, volatility of 153.4%, dividend yield of 0% and an expected life equal to the term of the warrants, was \$1,120,441.

In September 2009, the Company amended the terms of the Company’s outstanding warrants to encourage warrant holders to exercise their warrants. At September 30, 2009, the Company had 1,337,934 warrants outstanding with an exercise price of \$3.50 and expiration dates between September 30, 2009 and October 11, 2009. In order to induce the exercise of the warrants, the Company’s Board of Directors authorized that the exercise price of the warrants be reduced. The amended exercise price for each warrant was \$0.50. Additionally, to permit holders of the warrants adequate time to contemplate the repricing, the expiration dates of the warrants was extended until October 16, 2009. 1,085,944 of the 1,337,934 outstanding warrants were exercised by warrant holders on or before October 16, 2009, generating proceeds to the Company of \$542,972.

The following is a summary of the Company’s warrants outstanding:

	Warrants	Weighted Average Exercise Price
Outstanding at September 30, 2009	1,337,934	\$ 0.50
Issued	1,697,938	1.50
Exercised	(1,085,944)	0.50
Expired	(251,990)	0.50
Outstanding at March 31, 2010 ⁽¹⁾	<u>1,697,938</u>	<u>\$ 1.50⁽²⁾</u>

⁽¹⁾ These warrants expire as follows:

Warrants	Price	Expiration Date
<u>1,697,938</u>	<u>\$1.50⁽²⁾</u>	<u>March 25, 2011</u>
<u>1,697,938</u>		

⁽²⁾ Exercisable at \$1.50 per share until May 31, 2010, and thereafter at an exercise price of \$1.75 per share until March 25, 2011.

TIMBERLINE RESOURCES CORPORATION AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
March 31, 2010

NOTE 10 – STOCK OPTIONS:

The Company has established the 2005 Equity Incentive Plan (as amended by shareholders of the Company on August 22, 2008) to authorize the granting of up to 7,000,000 stock options to employees, directors and consultants. Upon exercise of options, shares are issued from the available authorized shares of the Company. Option awards are granted with an exercise price equal to the fair market value of the Company's stock at the date of grant.

The fair value of option awards granted during the six months ended March 31, 2010 and 2009, respectively, was estimated on the date of grant using the assumptions noted in the following table. Total compensation cost charged against operations under the plan for employees was \$89,414 and \$89,043 for the three months ended March 31, 2010 and 2009, and \$259,237 and \$789,787 for the six months ended March 31, 2010 and 2009, respectively. These costs are classified under salaries and benefits expense. Total compensation cost charged against operations under the plan for directors and consultants was \$130,882 and \$60,750 for the three months ended March 31, 2010 and 2009, and \$233,462 and \$164,203 for the six months ended March 31, 2010 and 2009, respectively. These costs are classified under other general and administrative expenses.

	Six months ending	
	March 31, 2010	March 31, 2009
Expected volatility	113.50%	106.60%
Weighted-average volatility	113.50%	106.60%
Expected dividends	-	-
Expected term (in years)	3	3
Risk-free rate	1.38%	0.02%
Expected forfeiture rate	10%	10%

The following is a summary of the Company's options issued under the Amended 2005 Equity Incentive Plan:

	<u>Options</u>	<u>Weighted Average Exercise Price</u>
Outstanding at September 30, 2009	6,235,168	\$ 0.92
Granted	100,000	1.04
Exercised	(1,162,003)	0.44
Expired and forfeited	(202,083)	1.32
Outstanding at March 31, 2010	<u>4,971,082</u>	<u>\$ 1.02</u>
Exercisable at March 31, 2010	<u>4,033,924</u>	<u>\$ 1.10</u>
Weighted average fair value of options granted during the six months ended March 31, 2010		<u>\$ 0.71</u>

The average remaining contractual term of the options outstanding and exercisable at March 31, 2010 was 3.52 and 3.48 years, respectively. 286,668 of the options exercised were on a cashless basis, resulting in the issuance of 198,108 shares based on the current price of the Company's stock on the date of exercise. The Company received \$399,941 from the exercise of the remaining 875,335 options. As of March 31, 2010, total unrecognized compensation expense related to options was \$332,241 and the related weighted-average period over which it is expected to be recognized is approximately 0.55 years. The aggregate intrinsic value of options exercised during the six months ended March 31, 2010 and 2009 was \$719,096 and \$52,500, respectively. The aggregate intrinsic value of options outstanding and exercisable as of March 31, 2010 was \$2,234,579 and \$1,673,544, respectively.

TIMBERLINE RESOURCES CORPORATION AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
March 31, 2010

NOTE 11 – PREFERRED STOCK:

Timberline is authorized to issue up to 10,000,000 shares of preferred stock, \$.01 par value. The Board of Directors of Timberline is authorized to issue the preferred stock from time to time in series and is further authorized to establish such series, to fix and determine the variations in the relative rights and preferences as between series, to fix voting rights, if any, for each series, and to allow for the conversion of preferred stock into Common Stock.

NOTE 12 – COMMITMENTS AND CONTINGENCIES:

Real Estate Lease Commitments

The Company has real estate lease commitments related to its main office in Coeur d'Alene, Idaho, a facility in Butte, Montana, offices and a shop of Timberline Drilling in Coeur d'Alene, Idaho; and its operational facility in Elko, Nevada. The Company's Mexico subsidiary also leases facilities for its administrative office and warehouse under defined term lease agreements which are for one year. Total office and storage rental expense aggregated \$42,750 and \$68,039 for the three months ended March 31, 2010 and 2009, respectively, and \$110,736 and \$147,662 for the six months ended March 31, 2010 and 2009, respectively.

Unpaid IRS Interest and Penalties

The Company has received notice from the Internal Revenue Service ("IRS") that Timberline Drilling has been assessed late filing penalties for payroll taxes not paid on a timely basis during the period from October 1, 2007 through May 15, 2008. As of March 31, 2010, the balance of those unpaid interest and penalties is \$362,822 and is included in accrued taxes on the consolidated balance sheet.

The Company has negotiated tacit approval to a payment plan with the IRS relating to the unpaid interest and penalties owed as of March 31, 2010. In April 2009, the Company began making \$10,000 monthly installment payments on the outstanding balance of interest and penalties. During the year ended September 30, 2009, Timberline Drilling's assets became subject to a tax lien until all interest and penalties assessed by the IRS are satisfied. If the Company fails to comply with the negotiated payment plan or is otherwise unable to pay the interest and penalties owed to the IRS, the IRS could force the sale of certain assets of Timberline Drilling to satisfy the interest and penalties due.

Environmental Contingencies

The Company has in past years been engaged in mining in northern Idaho, which is currently the site of a federal Superfund cleanup project. Although the Company is no longer involved in mining in this or other areas at present, the possibility exists that environmental cleanup or other environmental restoration procedures could remain to be completed or mandated by law, causing unpredictable and unexpected liabilities to arise. At the date of these financial statements, the Company is not aware of any environmental issues or litigation relating to any of its current or former properties.

Acquisition of Staccato Gold Resources Ltd.

During the quarter ended March 31, 2010, the Company announced it had entered into a definitive agreement to acquire Staccato Gold Resources Ltd. ("Staccato"), a mineral exploration company listed on the TSX Venture Exchange in Canada. Upon completion of this transaction, Timberline will acquire Staccato's South Eureka property which includes a partially drill-tested exploration portfolio and the advanced-stage Lookout Mountain project, located along Nevada's Battle Mountain – Eureka trend, and approximately \$5 million in cash.

TIMBERLINE RESOURCES CORPORATION AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
March 31, 2010

NOTE 13 – SEGMENT INFORMATION:

The Company has three operating segments at March 31, 2010: drilling revenues from Timberline Drilling; drilling revenues in Mexico through Timberline Drilling’s subsidiary, World Wide Exploration; and Timberline’s exploration activities.

Segment information for the three months and six months ended March 31, 2010 and 2009 are as follows:

	Three months ending		Six months ending	
	March 31		March 31	
Revenues:	2010	2009	2010	2009
Timberline	\$ -	\$ -	\$ -	\$ -
Timberline Drilling	5,113,136	2,802,070	8,367,017	5,230,915
World Wide Exploration	151,305	691,314	861,052	2,953,165
Total revenues	<u>\$ 5,264,441</u>	<u>\$ 3,493,384</u>	<u>\$ 9,228,069</u>	<u>\$ 8,184,080</u>
Income / (Loss) before income taxes:				
Timberline	\$ (1,136,769)	\$ (904,085)	\$ (2,216,271)	\$ (3,980,848)
Timberline Drilling	541,138	(69,437)	781,602	(1,807,272)
World Wide Exploration	(313,901)	(418,615)	(406,925)	(304,488)
Income / (Loss) before income taxes	<u>\$ (909,532)</u>	<u>\$ (1,392,137)</u>	<u>\$ (1,841,594)</u>	<u>\$ (6,092,608)</u>
Total assets:		March 31, 2010		September 30, 2009
Timberline		\$ 3,800,939		\$ 1,323,051
Timberline Drilling		10,677,545		9,997,792
World Wide Exploration		2,001,567		2,703,384
Total assets		<u>\$ 16,480,051</u>		<u>\$ 14,024,227</u>

The accounting policies of the segments are the same as those described in the notes to the consolidated financial statements included in the Company’s annual report filed on Form 10-K for the fiscal year ended September 30, 2009, after considering newly adopted accounting pronouncements described elsewhere herein. Separate management of each segment is required because each business unit is subject to different marketing, production, and technology strategies.

During the three months and six months ended March 31, 2010, revenues from transactions with one customer amounted to 10% or more of our total revenues. Customer A accounted for revenue of \$5,113,136 during the three months ended March 31, 2010. Customer A accounted for revenue of \$8,289,963 during the six months ended March 31, 2010. The revenue for customer A is reported through Timberline Drilling.

The assets of Timberline are located in the United States. The assets of Timberline Drilling are also located in the United States and their revenues are derived from drilling contracts in the United States. The assets of World Wide Exploration are located in Mexico and their revenues are derived from drilling contracts in Mexico.

Timberline is not an operating entity at this point insofar as they are not generating revenues from the sales of their properties, but they are actively exploring several properties for their mining potential.

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS.

You should read the following discussion and analysis of our financial condition and results of operations together with our financial statements and related notes appearing elsewhere in this quarterly report.

Forward-Looking Statements

This quarterly report and the exhibits attached hereto contain "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements concern the Company's anticipated results and developments in the Company's operations in future periods, planned exploration and development of its properties, plans related to its business and other matters that may occur in the future. These statements relate to analyses and other information that are based on forecasts of future results, estimates of amounts not yet determinable and assumptions of management.

Any statements that express or involve discussions with respect to predictions, expectations, beliefs, plans, projections, objectives, assumptions or future events or performance (often, but not always, using words or phrases such as "expects" or "does not expect", "is expected", "anticipates" or "does not anticipate", "plans", "estimates" or "intends", or stating that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved) are not statements of historical fact and may be forward-looking statements. Forward-looking statements are subject to a variety of known and unknown risks, uncertainties and other factors which could cause actual events or results to differ from those expressed or implied by the forward-looking statements, including, without limitation:

- risks related to our properties being in the exploration stage;
- risks related our mineral operations being subject to government regulation;
- risks related to our ability to obtain additional capital to develop our resources, if any;
- risks related to mineral exploration and development activities;
- risks related to our insurance coverage for operating risks;
- risks related to the fluctuation of prices for precious and base metals, such as gold, silver and copper;
- risks related to the competitive industry of mineral exploration;
- risks related to our title and rights in our mineral properties;
- risks related to our limited operating history;
- risks related the possible dilution of our common stock from additional financing activities;
- risks related to potential conflicts of interest with our management;
- risks related to our subsidiaries activities; and
- risks related to our shares of common stock.

This list is not exhaustive of the factors that may affect our forward-looking statements. Some of the important risks and uncertainties that could affect forward-looking statements are described further in our annual report on Form 10-K for the year ended September 30, 2009, filed with the Securities and Exchange Commission on December 8, 2009. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those anticipated, believed, estimated or expected. We caution readers not to place undue reliance on any such forward-looking statements, which speak only as of the date made. We disclaim any obligation subsequently to revise any forward-looking statements to reflect events or circumstances after the date of such statements or to reflect the occurrence of anticipated or unanticipated events, except as otherwise required by law.

We qualify all the forward-looking statements contained in this report by the foregoing cautionary statements.

Corporate Background and History

We commenced our exploration stage in January 2004 with the change in the management of the Company. From January 2004 until March 2006, we were strictly a mineral exploration company. Beginning with the management appointments of John Swallow and Paul Dirksen, the addition of Randal Hardy, our acquisition of a drilling services company, and the acquisition of Butte Highlands, we diversified our business plan to include drilling services and an underground mine with possible gold production. Prior to our new business model, the addition of new management, the purchase of Timberline Drilling (formerly known as Kettle Drilling), and a more active and focused exploration division, the Company had no reported revenues and accumulated losses.

Timberline Resources is a diversified gold company comprised of three complementary business units: an underground mine with possible gold production, exploration, and drilling services. Its vertically-integrated business model provides investors exposure to potential gold production, the “blue sky” potential of exploration, and the “picks and shovels” aspect of the mining industry. Timberline has contract core drilling subsidiaries in the western United States and Mexico and an exploration division focused on district-scale gold projects with the potential for near-term, low-cost development. The “picks and shovels” aspect of our business includes the mining services provided by Timberline Drilling and other potential operating businesses that we may acquire. We use the term “blue sky” to mean the potential of our exploration properties. Because of the nature of exploration for precious metals, a property’s exploration potential is not known until a significant amount of geologic information has been generated. As the work progresses, the potential of the property becomes more and more clear. If the exploration results are favorable, the value of the property may increase significantly. The term “blue sky” refers to the upside potential of that value. We believe our business model offers the opportunity to participate in both the “picks and shovels” and “blue sky” aspects of the business—our shareholders can participate in the markets for precious and base metal mining without the degree of risk inherent to mine operation and/or sole reliance on speculative early-stage drill-plays.

Corporate Overview

Timberline Resources Corp.’s business is comprised of a joint venture to develop and mine our Butte Highlands gold project located in southwestern Montana (“Butte Highlands Gold Project”), an exploration division and two wholly-owned operating drilling subsidiaries.

Our exploration division is focused on district-scale gold projects with the potential for near-term, low-cost development. In addition to the evaluation of other potential properties and projects, the exploration division is responsible for the acquisition and advancement of our Butte Highlands Gold project that is part of a 50/50 joint venture agreement with Highland Mining, LLC and which began development in the latter half of 2009.

Timberline Resources’ operating subsidiaries are Timberline Drilling and its Mexican subsidiary, World Wide Exploration S.A. de C.V. (“WWE”). They provide both surface and underground drilling services in the United States and Mexico, with their two largest clients being Newmont Mining and Exploraciones Mineras Penoles S.A. de C.V., respectively. Both units specialize in underground, hard rock core drilling – a niche business that we believe is well-positioned as the industry matures and exploration projects are advanced into producing mines.

Timberline is listed on the NYSE Amex and trades under the symbol “TLR”. On February 13, 2009, we received notice from the Exchange that as of September 30, 2008 the Company was below certain of the Exchange’s continued listing standards due to Timberline’s stockholders’ equity not meeting certain minimum requirements. Timberline submitted a plan of compliance to the Exchange on March 13, 2009.

On May 4, 2009 the Company received notice from the NYSE Amex that the NYSE Amex had accepted its plan of compliance and will continue listing Timberline on the NYSE Amex, subject to certain conditions. Beginning with the quarter ended December 31, 2009 and continuing through the quarter ended March 31, 2010, Timberline has met and continues to meet the continued listing standards of the NYSE Amex, including the minimum stockholders’ equity requirements. The Company expects, given two consecutive quarters of compliance, that the NYSE Amex will deem that the Company has regained compliance with the NYSE Amex’s continued listing standards and the compliance period will end. Until Timberline is deemed to have regained compliance, the Company remains subject to periodic review by the NYSE Amex in accordance with its compliance plan.

On March 22, 2010, the Company entered into a definitive agreement (the “Arrangement”) to acquire Staccato Gold Resources Ltd. (“Staccato”), a Canadian mineral exploration corporation listed on the TSX Venture Exchange. Under the Agreement, Staccato shareholders will receive one share of Timberline common stock for every seven shares of Staccato common stock held (the “Exchange Ratio”) and \$0.0001 for every share of Staccato common stock held. Pursuant to the Arrangement, the holders of a portion of the outstanding Staccato options and the holders of all Staccato warrants will be

entitled to receive Timberline options and warrants at the Exchange Ratio and with corresponding changes to the exercise price based on the Exchange Ratio. The balance of the outstanding Staccato options will either be exchanged for Staccato shares prior to the closing or cancelled at closing.

Upon completion of the Arrangement, Timberline will acquire Staccato's South Eureka property which includes a partially drill-tested exploration portfolio and the advanced-stage Lookout Mountain project, located along Nevada's Battle Mountain – Eureka trend, and approximately \$5 million in cash. Upon completion of the Arrangement, Timberline will have approximately 56 million common shares issued and outstanding, with 73 million shares on a fully diluted basis. Current Timberline shareholders will own approximately 74% of the shares outstanding and former Staccato shareholders will own approximately 26%. On a fully diluted basis, Timberline will be owned 71% by current Timberline shareholders and 29% by current Staccato shareholders. In conjunction with this Arrangement, Timberline will seek a listing of its shares of common stock on the TSX Venture Exchange with the intent to have a listing in Toronto in addition to the NYSE Amex listing. The closing is subject to a favorable vote of at least two-thirds of Staccato common stockholders voting at a special meeting of shareholders to be held on May 21, 2010; a favorable vote of a majority of Timberline common stockholders at a special meeting of shareholders to be held on May 28, 2010; as well as the approval of the NYSE Amex and the TSX Venture Exchange, and other customary closing conditions, including the receipt of all necessary court and regulatory approvals. There will be no change in the management or Board of Directors of Timberline following the completion of the Arrangement. For more detailed information regarding the Arrangement see Timberline's definitive proxy statement filed with the SEC under cover of Schedule 14A on May 3, 2010.

Drilling Services

Our underground focus with established customers continues to provide a solid base of operations as a large percentage of the above-ground and more speculative exploration drilling has been cut back and/or delayed during the current industry slowdown. Many companies have delayed exploration plans and reduced their exploration spending in order to conserve cash. While the current economic environment continues to impact drilling demand, we believe that right-sizing efforts initiated at Timberline Drilling in 2008 and continued in 2009, a more balanced level of input costs, availability of qualified labor, and our ongoing focus on profitability will continue to improve the operating results of our drilling subsidiaries.

Over the past year, we have successfully established a new corporate culture in our drilling subsidiaries and have renewed our focus on underground drilling at established mining operations. We have reduced the layers of management between the head office and the field, streamlined our processes and operations, strengthened our balance sheet, and implemented new employee incentive programs. These objectives were achieved under extremely difficult market conditions.

During 2009, Timberline Drilling extended its current contract with Newmont Mining through February 2011, enhancing an already solid relationship. During this quarter, discussions about extending the contract beyond February 2011 were initiated. We have established joint planning and safety review teams with Newmont and, furthermore, Newmont has provided us with mine site facilities to support our operations. We believe that the contract extension provides a higher degree of certainty in future cash flows for Timberline Drilling while presenting an excellent foundation for future stability and growth. This also allows us to focus on further improvements in customer service and safety with our largest client.

Our Mexican subsidiary, WWE, had only one drill in service throughout much of the quarter. We have noted, however, that drilling activity in Mexico is picking up in the second quarter of 2010 with our major client and at other exploration and development projects. While we have begun to see marginal increases in demand for drilling projects, expected pricing levels have lowered anticipated margins to the point that we do not pursue certain contracts that would not be profitable. In addition to market and financing factors, the demand for drilling services in Mexico remains subdued due, in part, to a number of other factors, including increased violence in some areas. We have a seasoned and experienced management team at WWE, and the overall situation in Mexico is being monitored closely by our management.

Exploration Division

Our Exploration Division advanced our Butte Highlands Gold Project on several fronts during the quarter ended March 31, 2010. Our joint venture partner, Highland Mining, LLC, continued to advance the underground ramp to access the mineralized areas; to allow for underground exploration and ore definition drilling, as well as additional project exploration during the remainder of 2010. As of March 31, 2010, the underground ramp had been advanced approximately 600 feet, and underground sumps and explosive storage areas were completed.

Timberline, in conjunction with staff from Small Mine Development, continued to refine the mine and underground exploration planning that is an integral part of our application for our Hard Rock Operating Permit at the Butte Highlands

Gold Project. Although the operating permit application was not completed as quickly as we initially anticipated, the application was submitted to the Montana Department of Environmental Quality subsequent to quarter end in early May. The ongoing exploration and development phase of the program is expected to take approximately one year and, assuming acceptable permitting and results, is expected to be followed by production in early to mid 2011.

During the quarter the acquisition opportunity of Staccato was identified. Our Exploration Division conducted a thorough due diligence on Staccato and its South Eureka property prior to negotiation of the terms for the acquisition.

We believe the global economic environment and monetary situation favor a solid and relatively steady gold price for the foreseeable future. Volatility is to be expected, however our view is that we don't require higher gold prices in order to advance our business model. As a company, we are focused on our drilling subsidiaries, advancing the Butte Highlands Gold Project, closing our acquisition of Staccato and advancing exploration programs on its South Eureka property, and continuing to evaluate new opportunities that fit with our business model. We have evaluated a number of projects and opportunities during the past several months and will continue to do so. We believe the combination of management and the Company's board of directors has the knowledge base to evaluate opportunities – either organically or through mergers and acquisitions – and continue to do so.

Results of Operations for the Three Month and Six Month Periods ended March 31, 2010 and 2009

Combined Results – Timberline Corporate, Timberline Exploration, Timberline Drilling and WWE

For the three months ended March 31, 2010, we reported \$5,264,441 in revenue compared to \$3,493,384 in the same period of 2009. Our revenues are derived entirely from our drilling subsidiaries and are comprised of \$5,113,136 from Timberline Drilling and \$151,305 from WWE for the three months ended March 31, 2010. Gross profit (loss) from Timberline Drilling and WWE was \$1,211,717 and \$(245,442), respectively, for the three months ended March 31, 2010.

Our overall after tax net loss for the three months ended March 31, 2010 was \$909,532 compared to an overall net loss of \$1,212,246 for the three months ended March 31, 2009. Our net loss for the three months ended March 31, 2010 is comprised of a loss of \$1,136,769 for Timberline Corporate and Exploration and \$313,901 at WWE, offset by net income of \$541,138 for Timberline Drilling. Interest expense for the three months ended March 31, 2010 was \$160,617, compared to \$278,325 for the three months ended March 31, 2009. The decrease in interest expense during the quarter ended March 31, 2010 is attributable primarily to a decrease in interest expense related to the Company's liability to the IRS for unpaid payroll taxes, as well as reduced interest on long term debt and capital lease obligations.

For the six months ended March 31, 2010, we reported \$9,228,069 in revenue compared to \$8,184,080 in the same period of fiscal 2009. Our revenues were comprised of \$8,367,017 from Timberline Drilling and \$861,052 from WWE for the six months ended March 31, 2010. Gross profit (loss) from Timberline Drilling and WWE was \$1,942,503 and \$(200,485), respectively, for the six months ended March 31, 2010.

Our overall after tax net loss for the six months ended March 31, 2010 was \$1,841,594 compared to an overall net loss of \$5,947,519 for the six months ended March 31, 2009. Our net loss for the six months ended March 31, 2010 is comprised of a loss of \$2,216,271 for Timberline Corporate and Exploration and \$406,925 at WWE, offset by net income of \$781,602 for Timberline Drilling. Interest expense for the six months ended March 31, 2010 was \$324,700, compared to \$1,019,634 for the six months ended March 31, 2009. The decrease in interest expense during the six months ended March 31, 2010 is attributable primarily to the absence of interest expenses associated with a bridge loan that was owed by the Company in the previous year as well as a decrease in interest expense related to the Company's liability to the IRS for unpaid payroll taxes.

Over the past eighteen months, the demand for drilling services has declined due to a decrease in demand from the exploration industry and the general economic downturn. Junior resource and exploration stage companies have been adversely affected by the state of the capital markets and many have scaled back or eliminated exploration and development activities. The demand for drilling services does, however, appear to have stabilized, and based upon our current and upcoming drilling activity we expect revenues to stabilize or increase slightly for fiscal 2010 as compared to our corresponding revenues in the previous year.

In response to the changes in the economic and mining industry environment, we have implemented cost-cutting measures and stabilized our revenue stream. The result of this focus on cost-cutting and revenue stabilization has allowed our combined drilling entities to achieve profitability for four consecutive quarters in spite of difficult market conditions. We expect that our implementation of operational improvements and focus on financial discipline will result in continued positive earnings, improved gross margins, and more positive cash flow as demand for our services begins to increase.

Timberline Drilling and WWE provide drilling services on a contract basis, which often requires long lead times based on drill rig availability. In the past, we have had a backlog related to several customers for drilling services work to be performed in future periods. Due to declining demand for drilling services, some of our drill rigs are currently idle, and our backlog consists of drilling services work to be performed for two major customers. While we have seen increases in requests for proposals for drilling services, and secured additional drilling service contracts for new customers commencing in the second half of the Company's fiscal year, we cannot predict if demand for drilling services will increase in future periods.

Timberline Corporate and Exploration Division

The after tax net loss of \$1,136,769 for the combined Timberline Corporate and the Exploration division during the three months ended March 31, 2010 is comprised of non-cash charges of \$277,127, exploration expenditures of \$231,839, salaries and benefits of \$111,644, professional fees of \$196,838, other general and administrative costs of \$181,619 and interest expense of \$141,573, less interest income of \$3,871. Included in the non-cash charges are \$262,272 in expenses related to stock options and stock awards that vested during the quarter. Also included in the non-cash charges are \$14,855 in depreciation, amortization and accretion of our asset retirement obligation.

The after tax net loss of \$2,216,271 for the combined Timberline Corporate and the Exploration division during the six months ended March 31, 2010 is comprised of non-cash charges of \$557,768, exploration expenditures of \$286,132, salaries and benefits of \$238,031, professional fees of \$553,097, other general and administrative costs of \$340,372 and interest expense of \$279,665, less other income of \$31,977 and interest income of \$6,817. Included in the non-cash charges are \$534,675 in expenses related to stock options and stock awards that vested during the year to date. Also included in the non-cash charges are \$23,093 in depreciation, amortization and accretion of our asset retirement obligation.

Timberline Drilling and WWE

For the three months ended March 31, 2010, Timberline Drilling had revenues of \$5,113,136 as compared to \$2,802,070 for the three months ended March 31, 2009. WWE had revenues of \$151,305 for the three months ended March 31, 2010 as compared to \$691,314 for the three months ended March 31, 2009. Overall the demand for drilling services has stabilized during the past few months. Junior resource and exploration stage companies are beginning to obtain access to capital for their drilling programs, and, as a result, the overall demand for drilling services, while not as robust as in 2007 and 2008, continues to show signs of improvement. The increase in revenues at Timberline Drilling during the quarter is attributable to significantly increased utilization of drill rigs compared to the previous year. Timberline Drilling's revenue per foot drilled and the average footage drilled by each operating drill rig during the quarter were also higher when compared to the previous year. It is evident that cost-cutting and team-building efforts implemented at Timberline Drilling, along with better processes and controls, retention of skilled labor, and our ongoing focus on profitability, have resulted in multiple consecutive quarters of profitable operations. The decrease in revenues at WWE is attributable to significantly reduced demand for drilling services in Mexico and the resulting reduction in the number of operating drill rigs compared to the previous year. We do, however, expect to increase the number of drills operating in Mexico during the second half of our fiscal year. On a combined basis, we expect that our revenue from Timberline Drilling and WWE for the remainder of fiscal 2010 will be slightly higher than our revenue in fiscal 2009 due to greater overall utilization of our drill rigs.

For the three months ended March 31, 2010, net income before taxes from Timberline Drilling was \$541,138 while net loss before taxes at WWE was \$313,901 as compared to a net loss before taxes of \$69,437 for Timberline Drilling and net loss before taxes of \$418,615 for WWE for the three months ended March 31, 2009. At Timberline Drilling, the current quarter income is primarily attributable to increased drilling revenue and significantly decreased operating, general and administrative, and interest expenses. At WWE, the current quarter loss is primarily attributable to a significant decrease in drilling revenue and gross profits, offset somewhat by reduced general and administrative and other expenses.

For the six months ended March 31, 2010, Timberline Drilling had revenues of \$8,367,017 as compared to \$5,230,915 for the six months ended March 31, 2009. WWE had revenues of \$861,052 for the six months ended March 31, 2010 as compared to \$2,953,165 for the six months ended March 31, 2009. The increase in revenues at Timberline Drilling during the year to date is attributable to significantly increased utilization of drill rigs compared to the previous year. Timberline Drilling's revenue per foot drilled and the average footage drilled by each operating drill rig during the year to date were also higher when compared to the previous year. The decrease in revenues at WWE is attributable to significantly reduced demand for drilling services in Mexico and the resulting reduction in the number of operating drill rigs compared to the previous year.

For the six months ended March 31, 2010, net income before taxes from Timberline Drilling was \$781,602 while net loss before taxes at WWE was \$406,925 as compared to a net loss before taxes of \$1,807,272 for Timberline Drilling and net loss before taxes of \$304,488 for WWE for the six months ended March 31, 2009. At Timberline Drilling, the year to date income is primarily attributable to increased drilling revenue and significantly decreased operating, general and administrative, and interest expenses. At WWE, the year to date loss is primarily attributable to a significant decrease in drilling revenue and gross profits, offset somewhat by reduced general and administrative and other expenses.

We expect that revenue stability resulting from our drilling contract with Newmont Mining in Nevada, coupled with our continued focus on reducing operating and administrative costs and performance efficiencies, will result in continued positive earnings and cash flow from our drilling subsidiaries on a combined basis as we have demonstrated for the past four consecutive fiscal quarters.

Financial Condition and Liquidity

At March 31, 2010, we had assets of \$16,480,051 consisting of cash in the amount of \$3,609,607; accounts receivable, net of allowance for doubtful accounts, in the amount of \$1,388,539; materials and supplies inventories valued at \$1,048,504; property, mineral rights and equipment, net of depreciation of \$6,105,128; goodwill related to the acquisition of Timberline Drilling in the amount of \$2,808,524 and other assets of \$1,519,749.

There was a severe deterioration in global credit and equity markets in 2007 through 2009. This resulted in the need for government intervention in major banks, financial institutions and insurers and also resulted in greater volatility, increased credit losses and tighter credit conditions. These disruptions in the credit and financial markets had a significant material adverse impact on a number of financial institutions and have limited access to capital and credit for many companies. While market conditions have generally improved in the first quarter of 2010, access to capital and credit remains limited compared to capital markets before the deterioration in 2007. These continued disruptions could, among other things, make it more difficult for us to obtain, or increase our cost of obtaining, capital and financing for our operations. Our access to additional capital and financing may not be available on terms acceptable to us or at all.

We expect to rely upon our existing cash balances and the revenues generated by our contract drilling subsidiaries, however, the recent economic instability make it difficult for the Company's management to accurately predict revenues from these services for the remainder of the 2010 fiscal year. If revenues from our contract drilling subsidiaries decline, our exploration activities and other operations will be reliant upon our cash on hand and equity financings to continue into the future. The current market conditions could make it difficult or impossible for us to raise necessary funds to meet our capital requirements. If we are unable to obtain financing through equity investments, we will seek multiple solutions including, but not limited to, credit facilities, debenture issuances or asset sales.

At March 31, 2010 the Company has a working capital deficit of \$2,622,269, primarily as a result of a convertible note payable to a related party of \$5,000,000, along with accrued interest of \$757,582 payable at maturity in October 2010. Management expects to remediate this working capital deficit through the conversion of the outstanding note to equity of the Company, extending the term of the current note payable, or by refinancing the current note payable with a longer term debt facility. The Company also expects to continue its efforts to improve operating cash flows at the Company's drilling subsidiaries, reduce professional and consulting expenses, and, potentially, engage in additional sales of capital assets. The current liabilities of the Company include outstanding interest and penalties due to the Internal Revenue Service in the amount of \$362,822. The Company is making monthly installment payments on the outstanding balance and expects to pay the remaining balance within the next 12 months.

Management expects to maintain or improve operating cash flows at the Company's drilling subsidiaries by continuing to reduce hourly and salaried payroll expenses, reducing supplies inventory levels, and eliminating non-essential general and administrative costs. The Company's capital assets include drills, drilling related equipment and vehicles for which a resale market exists. The Company will consider sales of a portion of these capital assets, if necessary, to fund working capital.

Management believes that the cash on hand and these potential remedies will provide it with sufficient working capital to meet the Company's ongoing operating expenses for the next 12 months. Additional financing may be required if the Company seeks to undertake further property acquisitions or expand its exploration or mine services operations.

On February 13, 2009, we received a notice from the NYSE Amex indicating that we were not in compliance with the exchange's continued listing requirements. In March 2009, we submitted a compliance plan to the NYSE Amex to maintain our listing. On May 4, 2009 this compliance plan was accepted by the NYSE Amex, giving the Company until August 13, 2010 to regain compliance with the continued listing standards of the exchange. As of March 31, 2010, the Company has maintained compliance with the continued listing standards of the NYSE Amex for two consecutive

quarters. Since the Company has maintained compliance with the continued listing standards for two quarters we expect the NYSE Amex will consider the compliance plan period over. The Company must maintain compliance with the continued listing standards in the future or risk being subject to delisting procedures again. If we are unable to maintain our listing on the NYSE Amex and are unable to obtain a comparable listing, the liquidity of our common stock could decrease significantly and our ability to raise additional capital through equity or convertible debt could be impaired.

Off-Balance Sheet Arrangements

We do not have any off balance sheet arrangements that are reasonably likely to have a current or future effect on our financial condition, revenues, results of operations, liquidity or capital expenditures.

Critical Accounting Policies and Estimates

See Note 2 to the financial statements contained elsewhere in this Quarterly Report for a complete summary of the significant accounting policies used in the presentation of our financial statements. The summary is presented to assist the reader in understanding the financial statements. The accounting policies used conform to accounting principles generally accepted in the United States of America and have been consistently applied in the preparation of the financial statements.

Our critical accounting policies are as follows:

Exploration Expenditures

All exploration expenditures are expensed as incurred. Significant property acquisition payments for active exploration properties are capitalized. If no mineable ore body is discovered, previously capitalized costs are expensed in the period the property is abandoned.

Revenue Recognition

The Company recognizes drilling service revenues as the drilling services are provided to the customer based on the actual amount drilled for each contract on a per foot drilled or per hour worked basis. In some cases, the customer is also responsible for paying for mobilization and stand-by costs. Mobilization is charged to a customer when the Company deploys its personnel and equipment to a specific drilling site. Stand-by is charged to a customer when the Company deploys its personnel and equipment to a specific drilling site, but for reasons beyond the Company's control, drilling activities are not able to take place. Revenue related to reimbursement of mobilization and "stand by" costs is recognized in the same period as the costs of mobilization or stand-by are incurred by the Company. The specific terms of each drilling job are agreed to by the customer and the Company prior to the commencement of drilling. Contract losses are not recognized as the Company's agreements with its customers do not put the Company at a risk of loss.

Materials and Supplies Inventory

Inventories consist primarily of parts, operating supplies, drill rods and drill bits. The Company values its inventories, with the exception of drill rods, at the lower of average cost or market, using the first-in-first-out (FIFO) method. Drill rods are valued using their average cost less an allowance for rod usage on a per foot drilled basis. Allowances are recorded for inventory considered to be in excess or obsolete.

Review of Carrying Value of Property, Mineral Rights and Equipment for Impairment

The Company reviews the carrying value of property, mineral rights and equipment for impairment whenever events and circumstances indicate that the carrying value of an asset may not be recoverable from the estimated future cash flows expected to result from its use and eventual disposition. In cases where undiscounted expected future cash flows are less than the carrying value, an impairment loss is recognized equal to an amount by which the carrying value exceeds the fair value of the asset. The factors considered by management in performing this assessment include current operating results, trends and prospects, the manner in which the property is used, and the effects of obsolescence, demand, competition, and other economic factors.

Goodwill

Goodwill relates to the acquisition of Timberline Drilling. Goodwill is tested for impairment at least annually by applying a fair value based test. In assessing the value of goodwill, assets and liabilities are assigned to the reporting units and a discounted cash flow analysis is used to determine fair value. There was no impairment loss revealed by this test as of September 30, 2009.

Asset retirement obligation

The Company accounts for asset retirement obligations by following the uniform methodology for accounting for estimated reclamation and abandonment costs as prescribed by authoritative accounting guidance. This guidance provides that the fair value of a liability for an asset retirement obligation (ARO) will be recognized in the period in which it is incurred if a reasonable estimate of fair value can be made. The ARO is capitalized as part of the carrying value of the assets to which it is associated, and depreciated over the useful life of the asset. The Company has an ARO associated with its underground exploration program at the Butte Highlands Gold Project

Derivative Financial Instruments

The Company does not use derivative instruments to hedge exposures to cash flow, market, or foreign currency risks. Derivative financial instruments are initially measured at their fair value. For derivative financial instruments that are accounted for as liabilities, the derivative instrument is initially recorded at its fair value, with changes in the fair value reported as charges or credits to income. For option-based derivative financial instruments, we use the Black-Scholes option pricing model to value the derivative instruments.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Not applicable.

ITEM 4. CONTROLS AND PROCEDURES

Conclusions of Management Regarding Effectiveness of Disclosure Controls and Procedures

At the end of the period covered by this report, an evaluation was carried out under the supervision of and with the participation of the Company's management, including the Chief Executive Officer and Chief Financial Officer, Randal Hardy ("CEO/CFO") and Chief Accounting Officer, Craig Crowell, ("CAO"), of the effectiveness of the design and operations of the Company's disclosure controls and procedures (as defined in Rule 13a – 15(e) and Rule 15d – 15(e) under the Exchange Act). Based on that evaluation the CEO/CFO and the CAO have concluded that as of the end of the period covered by this report, the Company's disclosure controls and procedures were adequately designed and effective in ensuring that: (i) information required to be disclosed by the Company in reports that it files or submits to the Securities and Exchange Commission under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in applicable rules and forms and (ii) material information required to be disclosed in our reports filed under the Exchange Act is accumulated and communicated to our management, including our CEO/CFO and CAO, as appropriate, to allow for accurate and timely decisions regarding required disclosure.

Changes in Internal Controls over Financial Reporting

There were no changes in the Company's internal control over financial reporting that occurred during the Company's most recent fiscal quarter that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting

PART II — OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS.

On January 16, 2009, the Company filed a complaint in the United States District Court for the District of Idaho (the "Court") against American Drilling, LLC, American Drilling Corporation (along with American Drilling, LLC referred to as "American Drilling"), and Steven Elloway ("Elloway"). Timberline Drilling alleged that when Elloway resigned his employment with the Company, he immediately started American Drilling, and that Elloway and American Drilling have subsequently violated Elloway's Supplemental Income Agreement with Timberline Drilling, which restricted his post-termination competitive activities. Timberline Drilling also asserted that Elloway and American Drilling have converted confidential and proprietary Timberline Drilling information and documents, misappropriated trade secrets, tortiously and negligently interfered with Timberline Drilling's contractual relations with its business relationships and its prospective economic advantage, and that Elloway breached fiduciary duties to Timberline Drilling and unjustly enriched himself. In addition to seeking monetary damages, Timberline Drilling asked the Court to issue an injunction to prohibit future improper competition or use of Timberline Drilling trade secrets by Elloway or American Drilling.

A temporary restraining order was issued and arguments regarding the entry of a preliminary injunction were heard by the Court on February 11, 2009. On March 2, 2009, the Court stated that Timberline Drilling had demonstrated likelihood of success at trial on the merits, therefore a preliminary injunction was not issued due to no showing of irreparable harm. We have completed the discovery phase and are now preparing for trial, currently set for August 3-6, 2010. Both parties filed motions for summary judgment, which are currently pending before the court.

No director, officer or affiliate of Timberline and no owner of record or beneficial owner of more than 5.0% of our securities or any associate of any such director, officer or security holder is a party adverse to Timberline or has a material interest adverse to Timberline in reference to pending litigation.

ITEM 1A. RISK FACTORS

Except as provided below, there have been no material changes from the risk factors as previously disclosed in our Form 10-K for the year ended September 30, 2009 which was filed with the SEC on December 8, 2009.

Risks Related to the Acquisition of Staccato Gold Resources Ltd.

The combined company may not realize the benefits from the transaction because of various challenges.

The Arrangement will involve the integration of companies that previously operated independently. Timberline's ability to realize the anticipated benefits of the acquisition will depend, in part, upon the following:

- the ability of Timberline to successfully integrate Staccato's business, employees and processes with those of Timberline;
- how efficiently Timberline's officers can manage the operations of the combined company;
- the amount of charges associated with the purchase accounting for the acquisition;
- economic conditions affecting both the general economy and the mining industry in particular;
- the actual closing date of the acquisition; and
- the diversion of management's attention from ongoing business concerns.

Some of these factors are also outside the control of either company. One or more of these factors could result in increased operating costs, lower revenues, lower earnings or losses or negative cash flows, any of which could reduce the price of Timberline's stock, harming your investment. To the extent Timberline pursues other acquisitions as part of its strategy, these risks may be exacerbated.

If the proposed acquisition is not consummated, Timberline will have incurred substantial costs that may adversely affect Timberline's financial results and operations and the market price of Timberline's Common Shares.

Timberline has incurred and will incur substantial costs in connection with the proposed acquisition. These costs are primarily associated with the fees of attorneys, and accountants. In addition, Timberline has diverted significant management resources in an effort to complete the acquisition. If the acquisition is not completed, Timberline will have incurred significant costs, including the diversion of management resources, for which it will have received little or no benefit.

The completion of the Arrangement is subject to several conditions and risks, including, among other things, the risk that either Staccato or Timberline will fail to obtain the required securityholder or regulatory approvals. If the Arrangement is not completed the price of shares of Timberline Common Stock may decline to the extent that the relevant current market price reflects a market assumption that the Arrangement will be completed and Timberline may be required to pay Staccato the applicable break fee, which could adversely affect Timberline's financial condition.

Timberline may raise funds for the exploration of Staccato's Lookout Mountain project through the issuance of shares of Timberline Common Stock, debt instruments or other securities convertible into shares of Timberline Common Stock and such financings may result in the dilution of present and prospective stockholdings.

In order to finance the exploration of Staccato's Lookout Mountain project, Timberline may raise funds through the issuance of Common Shares or the issuance of debt instruments or other securities convertible into shares of Timberline Common Stock. Any transaction involving the issuance of previously authorized but unissued shares of Timberline Common Stock, or securities convertible into shares of Timberline Common Stock, would result in dilution, possibly substantial, to present and prospective stockholding. This dilution may affect the earnings per share and voting rights of current holders of shares of Timberline Common Stock.

The increased number of shares of Timberline Common Stock as a result of the issuance of shares of Timberline Common Stock pursuant to the Arrangement may increase the volatility of Timberline's share price.

Although the issuance of shares of Timberline Common Stock under the Arrangement should increase liquidity in the market for such shares of Timberline Common Stock, there may be greater volatility of market prices in the near term pending the creation of a stable stockholder base. Any such volatility could result in a decline in the market price of shares of Timberline Common Stock.

The value of shares of Timberline Common Stock may be adversely affected by any inability of the combined company to achieve the benefits expected to result from the completion of the Arrangement.

Achieving the benefits of the Arrangement will depend in part upon meeting the challenges inherent in the successful combination of business enterprises of the size and scope of Timberline and Staccato and the possible resulting diversion of management attention for an extended period of time. There can be no assurance that the combined company will meet these challenges and that such diversion will not negatively impact the operations of the combined company following the closing of the Arrangement.

The combined company may not realize the benefits of its growth projects.

As part of its strategy, the combined company will continue existing efforts and initiate new efforts to develop gold and other mineral projects and will have a larger number of such projects as a result of the Arrangement. A number of risks and uncertainties are associated with the development of these types of projects, including political, regulatory, design, construction, labor, operating, technical and technological risks and uncertainties relating to capital and other costs and financing risks. The failure to successfully develop any of these initiatives could have a material adverse effect on the combined company's financial position and results of operations.

The issuance of shares of Timberline Common Stock or securities convertible into shares of Timberline Common Stock may allow someone to exert substantial influence over Stockholder voting.

If a significant amount of securities issued pursuant to the Arrangement or in a subsequent financing were acquired by one person or entity, then that person or entity would be able to exert substantial influence over or actually control the outcome of subsequent Stockholder votes.

As part of our business model, Timberline pursues a strategy that may cause us to expend significant resources exploring properties that may not become revenue-producing sites, including Staccato's Lookout Mountain project.

Part of Timberline's business model is to pursue a strategy which includes significant exploration activities, such as proposed exploration at Staccato's Lookout Mountain project. Because of the nature of exploration for precious metals, a property's exploration potential is not known until a significant amount of geologic information has been generated. We may spend significant resources exploring the Lookout Mountain projects and gathering certain geologic information only to determine that the project is not capable of being a revenue-producing property for the Company.

If Timberline's cash flows prove inadequate to service its debt and provide for its other obligations, it may be required to refinance all or a portion of such existing and future debt at terms that are unfavorable to it.

Timberline's ability to make payments on, and refinance, its debt and other obligations and to fund its operations and capital expenditures will depend on its ability to generate substantial operating cash flow. If Timberline's cash flows prove inadequate to meet its debt service obligations, it may be required to refinance all or a portion of its existing or future debt or to sell assets or to obtain additional financing. Timberline cannot assure you that any such refinancing or that any such sale of assets or additional financing would be possible on favorable terms, or at all.

Upon completion of the Arrangement, Timberline will be required to comply with Canadian securities regulations and be subject to additional regulatory scrutiny in Canada.

Timberline will become a 'reporting issuer' in the provinces of British Columbia and Alberta upon completion of Arrangement. As a result, Timberline will be subject to increased regulatory scrutiny and costs associated with complying with securities legislation in those provinces. For example, Timberline will be subject to civil liability for misrepresentations in written disclosure and oral statements. Legislation has been enacted in these provinces which creates a right of action for damages against a reporting issuer, its directors and certain of its officers in the event that the reporting issuer or a person with actual, implied or apparent authority to act or speak on behalf of the reporting issuer releases a document or makes a public oral statement that contains a misrepresentation or the reporting issuer fails to make timely disclosure of a material change. Timberline does not anticipate any particular regulation that would be difficult to comply with. However, failure to comply with regulations may result in civil awards, fines, penalties and orders that could have an adverse effect on Timberline.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS.

None.

ITEM 3. DEFAULTS UPON SENIOR SECURITIES.

None.

ITEM 4. [RESERVED]

ITEM 5. OTHER INFORMATION.

None.

ITEM 6. EXHIBITS.

10.1⁽¹⁾ Arrangement Agreement between Timberline and Staccato dated March 22, 2010

10.2⁽¹⁾ Form of Support Agreement between Timberline and officers and directors of Staccato

31.1 Certification of Chief Executive Officer and Chief Financial Officer pursuant to Rule 13a-14 and Rule 15d-14(a), promulgated under the Securities and Exchange Act of 1934, as amended

31.2 Certification of Chief Accounting Officer pursuant to Rule 13a-14 and Rule 15d-14(a), promulgated under the Securities and Exchange Act of 1934, as amended

32.1 Certification of Chief Executive Officer and Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act

32.2 Certification of Chief Accounting Officer pursuant to Section 906 of the Sarbanes-Oxley Act

(1) Previously filed as an exhibit to the Registrant's Form 8-K, as filed with the Commission on March 29, 2010

SIGNATURES

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

TIMBERLINE RESOURCES CORPORATION

By: /s/ Randal Hardy

Randal Hardy
Chief Executive Officer and Chief Financial Officer
(Principal Executive Officer and Principal Financial Officer)

Date: May 10, 2010

By: /s/ Craig Crowell

Craig Crowell
Chief Accounting Officer
(Principal Accounting Officer)

Date: May 10, 2010

CERTIFICATION

I, Randal Hardy, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Timberline Resources Corporation,
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 10, 2010

By: /s/ Randal Hardy

Randal Hardy
Chief Executive Officer & Chief Financial Officer
Principal Executive and Financial Officer

CERTIFICATION

I, Craig Crowell, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Timberline Resources Corporation,
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 10, 2010

By: /s/ Craig Crowell

Craig Crowell
Chief Accounting Officer
Principal Accounting Officer

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Timberline Resources Corporation (the "Company") on Form 10-Q for the period ended March 31, 2010, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Randal Hardy, Chief Executive Officer and Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: May 10, 2010

By: /s/ Randal Hardy

Randal Hardy
Chief Executive Officer & Chief Financial Officer
Principal Executive and Financial Officer

The foregoing certification is being furnished solely pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (Section 1350 of Chapter 63 of Title 18 of the United States Code) and is not being filed as part of the Report or as a separate disclosure document.

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Timberline Resources Corporation (the "Company") on Form 10-Q for the period ended March 31, 2010, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Craig Crowell, Chief Accounting Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: May 10, 2010

By: /s/ Craig Crowell

Craig Crowell
Chief Accounting Officer
Principal Accounting Officer

The foregoing certification is being furnished solely pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (Section 1350 of Chapter 63 of Title 18 of the United States Code) and is not being filed as part of the Report or as a separate disclosure document.