



## Current Debts and Productivity of Firms in Nigeria Petroleum Industry

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The study explored the relationships between current debts and the productivity of oil and gas firms in Nigeria. The specific objectives of the study are, to explore the relationship between short-term borrowing and production cost of oil and gas firms in Nigeria, to examine the relationship between account payable and production cost of oil and gas firms in Nigeria, and to analyze the relationship between tax payable and production cost of oil and gas firms in Nigeria. The study sampled 5 oil and gas firms, out of a total population of 11 oil and gas firms listed on the Nigeria Stock Exchange during the period. Secondary data were obtained from the annual reports and accounts of the selected firms for the period 2010 to 2019. Pearson's correlation matrix was used to analyze the data collected. Results of the analysis show that the relationships between accounts payable and tax payable with the cost of production are respectively negative and weak while the relationship between short-term borrowings and cost of production is positive and strong. It was recommended that oil and gas firms operating in Nigeria should fund their production with more long-term borrowings and equity to bring down their production cost. This is because as short-term borrowing rose, production costs rose, and vice versa. It was also recommended that oil and gas firms in Nigeria should use more of the account payable to finance the production of oil and to bring down production costs per barrel of crude oil. The study demonstrates that account payable is a cheap source of short-term funding when compared with short-term borrowing. It was further recommended that oil and gas firms in Nigeria should also provide for a different level of taxes and use the proceeds (tax payable) to fund oil and gas production until the taxes are due for remittance to the relevant tax authority. These when done will go a long way in reducing the cost of oil and gas production in the country and placing the firms at a competitive advantage locally and internationally.

ABSTRACT

**Keywords:** Current Debts; Firms Productivity; Nigeria Petroleum Industry

## **Introduction**

Money is extremely key in accomplishing the cardinal corporate target of benefit expansion and abundance creation for investors. Firm financing is carried out through long haul and momentary monetary arranging and the additionally through the execution of different other business techniques. Essentially, there are two spots from where firms get financing, value, which addresses capital currently in the business, and obligation, addressing cash acquired by the firm (Riddle, 2008). By Pecking Order Theory, most firms searching for outer financing choices utilized obligation financing rather than value financing. Obligation financing is the cash acquired to supplement business capital either to build working capital or to fund a venture opportunity. A firm can acquire from a monetary middle person like a bank or providers through exchange credit (Goswami & Shrikhande, 2001). However, our subject of essential worry in this review is currently getting likewise called momentary acquiring and its relationship with the usefulness of oil and gas firms in working in Nigeria.

Ebenezer and Asiedu (2013) depict current acquiring as cases or commitments of a business that are typically expected to develop for instalment inside a bookkeeping cycle. They are those liabilities where liquidation is sensibly expected to require the utilization of existing assets appropriately classifiable as current resources, the production of other current resources, or the formation of other current liabilities. Averkamp (2017) also affirms that current getting is a commitment that is expected within one year of the date of an organization's accounting report and will require the utilization of a current resource or a production of one more current obligation to settle it. In case a company's working cycle is longer than one year, current liabilities are those commitments due inside the working cycle. Kennon (2017) states that the current liabilities segment on the fiscal summary shows the obligations an organization owes which should be paid within one year. These obligations are something contrary to current resources. He recognized current liabilities things to incorporate, transient advances from banks including credit extension usage, creditor liabilities adjust (exchange credit), profits and premium payable, and current assessment arrangements. Obaidullah (2013) additionally gives instances of current borrowings or current liabilities to incorporate, creditor liabilities, compensations payable, transient obligation payable, momentary notes payable, current rent risk, premium payable, current assessment payable, and gathered costs. This review adopted, short-term advances, creditor liability, and expenses payable as the autonomous factors this review.

Carlson (2020) characterizes momentary advances as business credits that have development of one year or less. This implies that the credits must be reimbursed to the bank within one year. Transient credits can help organizations or entrepreneurs meet their momentary business commitments. Mengesha (2014) states that creditor liability happens when a firm gets a supply of labour and products based on layaway conditions which will be settled sometime in the not-too-distant future. Record payable equilibrium is important for the current risk of the firm. Bookkeeping Dictionary (2016) characterizes charge arrangement or expense payable as the assessed sum that a business or individual citizen hopes to pay in annual duties for the current year. The arrangement for personal expenses on a pay explanation is the measure of annual charges a firm gauge it will pay in a given year. The reliant variable of the review is the cost of creation. Wallace (2010) portrays the cost of creation as the instalments or uses fundamental to get the elements of the creation of land, work, capital, and the executives expected to deliver a ware. It connotes the cash costs which are to be caused for obtaining the elements of creation.

## **Statement of the Problem**

Current borrowings are an obligation that should be reimbursed within one year. Models are momentary advances, creditor liability, and current duty payable. The advantages of current getting to oil and gas firms and for sure different firms incorporate, simple of obtaining of the loan. It works on the income of the firm and guarantees that the firm is adequately fluid to meet its transient business responsibilities. It is paid off within one year and along these lines, the absolute interest installments are lower than in long-haul advances. The credits are considered safer contrasted with long-haul advances. Momentary credits permit firms to reimburse the advance within one year and hence, save the firm from monetary weight for countless years. Once more, as the current acquisition can be reimbursed in a couple of months, it expands the association's financial assessment significantly accordingly, empowering the firm to take another credit at a lower loan fee.

Regardless of the advantages related to current getting, the Nigerian native oil and gas firms dissimilar to their partner in cutting-edge economies think that it is hard to source transient assets. Therefore, their effectiveness is

hampered by suggestions as the organizations couldn't walk their global partners as far as productivity and accounts. Taking a gander at the offer costs of the oil and gas area in the everyday official rundown of the Nigerian Stock Exchange, it is not difficult to learn that the native oil and gas firms among them are not progressing admirably. A considerable lot of the native oil firms kept on making due by engaging in the Nigerian National Petroleum Corporation oil sponsorship tricks. Various them went into elimination when any decision abilities that brought them into reality changed. This advancement affected the current review to explore the connections between current obligations and the usefulness of oil and gas firms in Nigeria from 2010 to 2019.

### **Objectives of the Study**

The main objective of this study is to determine the relationship between current debts and the productivity of oil and gas firms in Nigeria. The specific objectives of the study are to:

- i. Evaluate the relationship between short-term borrowing and the production cost of oil and gas firms in Nigeria.
- ii. Examine the relationship between account payable and production cost of oil and gas firms in Nigeria.
- iii. Explore the relationship between tax payable and production cost of oil and gas firms in Nigeria.

### **Hypothesis of the study**

- i. There is not a significantly positive relationship between short-term borrowing and the production cost of oil and gas firms in Nigeria.
- ii. There is not a significantly positive relationship between account payable and the production cost of oil and gas firms in Nigeria.
- iii. There is not a significantly positive relationship between tax payable and the production cost of oil and gas firms in Nigeria.

### **Review of Related Literature**

#### **Conceptual Framework:**

##### **Current Debts**

Obaidullah (2013) depicts current getting otherwise called current liabilities or transient liabilities as liabilities that a firm is needed to settle inside the following year or which it hopes to be settled inside its ordinary working cycle. Peavler (2014) likewise expresses that momentary obligation financing has a development time of one year or less, they should be reimbursed rapidly within 90 to 120 days. Term advances with short developments help to address the quick issue of financing without long-haul responsibility. Averkamp (2017) characterizes a current risk as a commitment that is expected within one year of the date of an organization's accounting report and will require the utilization of a current resource or a production of one more current obligation to settle it. In case an organization's working cycle is longer than one-year, current liabilities are those commitments due inside the working cycle.

Kahl, Shivdasani & Wang (2015) believe that the expense of overhauling transient obligations is less of a burden on the firm as momentary advances generally offer lower interest charges, and most moneylenders don't charge revenue until all credit stipend period is penetrated. Tailab (2014) states that the utilization of transient liabilities, for example, exchange payables and gatherings can positively affect an association's productivity since such wellsprings of financing might be less exorbitant to the firm than the drawn-out wellsprings of assets. Krishnamurthy & Vissing-Jorgensen (2013) further express that momentary wellsprings of assets might impact productivity because of the diminished authoritative commitment that is involved. Kennon (2017) recognizes regular current liabilities or current borrowings to incorporate, creditor liabilities (otherwise known as, exchange credit), compensations payable, momentary obligation payable, transient notes payable, premium payable, charge payable, and accumulated costs. This review embraced, transient advance, creditor liability, and expenses payable as intermediaries for current acquiring.

##### **Short Term Debt**

Cheong (2015) characterizes momentary obligations are obligations that fall due within a one to two years' time span. Transient obligations are utilized to fund current resources that can be immediately turned around into cash. Fidel & Fabio (2002) express that one of the benefits of momentary obligation over long-haul obligation is that it involves more consistent observing and may compel firms to lessen shortcomings and to build usefulness at each

degree of quantifiable data sources like capital stock, number of laborers, materials. Bread cook (2021) recorded the advantages of short obligation to incorporate, lower revenue installment, simple handling, and improvement of income of the firm and in this manner guarantees that the firm is adequately fluid to meet its momentary business responsibilities. Momentary credits are paid off within one year and subsequently, short advances are considered safer contrasted with long haul advances. Transient advances save firms from long haul monetary weight related to long haul advances. Momentary advances additionally increment firms' credit scores enabling them to take new advances at great credit terms.

Loth (2016) distinguishes momentary credit to incorporate business paper, credit extensions, and overdrafts, in which money turns out capital for a restricted timeframe, typically not exactly a year. Momentary obligations might be utilized to back some transient speculations that require some investment to construct and create yield somewhat quickly. The momentary obligation may likewise be utilized to keep up with gear. Schwab (2017) states that overdraft enjoys a few benefits and impediments. It is adaptable and customers can acquire what they need at that point, it is speedier to orchestrate than advances, and it tends to be assessed routinely. Then again, it is repayable on request, a customer might be charged if he goes over as far as possible, customer probably kept up with a current record for a sensible period and with sensible record turnover to fit the bill for an overdraft office.

#### **Account Payable**

Tuovila (2021) characterizes creditor liabilities as a record inside the overall record that addresses an association's commitment to take care of a transient obligation to its lenders or providers. They are sums because of providers for labor and products got that poor person at this point been paid for. The amount of all exceptional sums owed to the providers has displayed as the record's payable equilibrium on the association's assertion of monetary position. The expansion or abatement altogether of an association's record payable from the earlier period shows up on the assertion of income. Firm administration as the portrayal to decide to cover its exceptional bills as near their due dates as conceivable to further develop firm income.

Records payable is one of the significant wellsprings of got momentary financing. A loan boss is an indispensable piece of viable positive income for firms. A solid union among the firm and its providers will deliberately further develop creation lines and fortify credit records for future extension. Records payable addresses the paces of payable of firms to their providers. They are likewise considered providers whose receipt for labor and products has been handled yet who have not yet been paid. The higher the worth, the more drawn out firms take to settle their installment obligation to their providers. Deficient administration of a firm's payables can cause an issue that might carry a debacle for the organization (Okpe & Duru, 2015).

#### **Tax Payable**

Bookkeeping Dictionary (2016) characterizes charge arrangement as the assessed sum that a business or individual citizen hopes to pay in annual duties for the current year. It is the annual duty cost that will be accounted for on the firm's fiscal reports. The arrangement for annual assessments on a pay proclamation is the measure of personal expenses a firm gauge it will pay in a given year. Raine and Holt (2017) state that personal duties are paid every year, except organizations will by and large compensate their assessed charge quarterly. The last, precise personal assessment figure is determined every year, and the company's last duty bill might be somewhat pretty much than the assessed installments made consistently. The measure of this arrangement is determined by changing the revealed net gain of a firm with an assortment of passable and disallowable things. The changed overall gain figure is then increased by the material personal duty rate to show up at the arrangement for annual duties.

Raine and Holt (2014) similarly believe that while setting up the fiscal reports, a duty calculation is regularly pre-arranged and dependent on materiality. Along these lines, the partnership charge determined for consideration in the budget reports isn't generally as old as the organization charge determined when documenting expense forms. This might bring about the corporate expense in the financial reports being under-or over-gave. The fiscal reports ought not to be returned to adapt to the under/over-arrangement, however, rather the under/over-arrangement ought to be reserved in the budget summaries of the next year. The under/overprovision is set up for the annual duty line in the benefit and misfortune account and revealed independently in the assessment compromise note in the fiscal reports.

### **Production Cost**

Okeke, Aroh, and Umechukwu (2020), in Kimberly (2018) state that the development of ware or administration requires the utilization of specific assets. The assets needed by firms to create labor and products are called elements of creation. These elements of creation are consolidated in different ways by firms to deliver labor and products. The most widely recognized sorts of elements of creation are land, work, capital, and business visionary. Devra, (2018) additionally attests that every one of the four elements of creation have an expense connected to it. For example, the lease is paid for the utilization of land underway, compensation is paid to providers of work, and a premium is paid for utilizing capital while the business visionary or the proprietor of the business gets returns or benefits on his venture. These costs set up are called creation costs.

### **Theoretical Framework**

This study is anchored on Pecking Order Hypothesis developed by Donaldson in 1961.

### **Pecking Order Theory**

The Pecking Order Theory was first presented by Donaldson in 1961 and was adjusted and promoted by Myers Majluf (1984). The hypothesis is among the most compelling speculations of corporate influence. The hypothesis attempts to create thoughts that organizations will utilize the pecking order of financing by focusing on their wellsprings of financing. It expresses that a firm ought to use its inward assets, is held income first and when this is depleted, it will use outer source. With regards to the outer source, the primary inclination ought to be an obligation and that value as a source ought to be the last choice or final hotel. The hypothesis contends that the more productive a firm turns into, the lesser it gets because it would have adequate interior money to embrace its speculation projects. As per the hypothesis, it is just when the inward financing isn't satisfactory that organizations should hotspot for outer funds.

The hypothesis attempts to catch the expense of topsy-turvy data where organizations focus on their wellspring of financing from inner financing to value, as indicated by the law of least exertion, or least obstruction. This implies that organizations like to raise the value as a monetary method for least exertion or final retreat. Myers and Majluf went further to clarify the hypothesis by avowing that value is a less favored means to raise capital. This is so because financial backers accept that supervisors are better educated regarding the value, and delicate data of the firm and therefore when they issue new value, they will imagine that the firm is over-esteemed and would exploit the valuation. Nonetheless, this hypothesis won't be good for existing firms. This is because the current firms are as yet battling to stand talk less of creating sufficient gain that would be utilized to offset all their future exercises.

### **Empirical Review**

Shikumo, Oluoch, and Wepukhulu (2020) surveyed the impact of transient obligation on the monetary development of non-monetary firms recorded at the Nairobi Securities Exchange from 2008 to 2017. Monetary firms were rejected on account of their particular area attributes and tough administrative system. The review designated 45 non-monetary firms recorded at the NSE from 2008 to 2017. Both illustrative measurements and board information relapse investigation were taken on for review. Aftereffect of examination uncovers that momentary obligation clarifies 45.99% and 25.6% of varieties in monetary development and development in market capitalization separately. Transient obligation emphatically and essentially impacts monetary development estimated by utilizing both developments in income per offer and development in market capitalization. It was suggested that the administration of non-monetary firms should utilize financing implies that can further develop the profit per share, and market capitalization, and upgrade the worth of the firm to assist its partners.

Utilizing board information from banking, protection, and modern merchandise areas, Ohaka, Edori, and Ekweozor (2020) investigated the impact of obligation financing on the association's monetary exhibition in Nigeria from 2011 to 2018. Arbitrary examining strategies were embraced in showing up at the example size of the review. Board econometric devices were utilized to break down the board information of different organizations across areas in the capital market. Results propose that size of the firm; transient obligation and long-haul obligation affect the monetary exhibition of recorded firms in Nigeria's capital market. It was reasoned that obligation financing is vital in an association's monetary presentation since there is a positive and a critical connection between the factors and

afterward suggested that bigger firms should expand the obligation extent in financing activities to build their monetary exhibition.

In Nigeria, Okpe & Duru (2015) tested a few food varieties and refreshment-producing firms recorded on the Nigeria Stock Exchange and analyzed the impact of records payable proportion on the monetary presentation of the organizations from 2000 to 2011. The examined firms are, Cadbury, Nigeria Flour Mill, Nestle, Nigeria Bottling Company, and 7-UP Nigeria Plc. Optional information was sourced from yearly reports of the organizations under study. Record payable deals development rate and Debt proportion were utilized as the autonomous factors while return on resources proportion was utilized as the reliant factors and intermediaries for monetary execution. Different relapse scientific instrument was utilized to test the speculations. The outcomes show that creditor liabilities proportion had a negative critical impact on the productivity proportion. The review uncovered likewise that obligation proportion had a positive yet non-critical impact on productivity, while deals development rate additionally had a positive and non-huge impact on the benefit proportion of these organizations under concentrate on Food and Beverages organizations in Nigeria.

Utilizing Pearson item second relationship lattice, Kapkiyai & Mugo (2015) directed a review to assess the impact of exchange credit on the monetary execution of limited scope ventures in Kenya. 50 Kenyan Small and Medium Enterprise firms were tested with the end goal of the review. Optional information was gathered from the inspected firm for examination. Exchange acknowledgment was utilized as the autonomous variable while liquidity, overall revenue, and return on resources were utilized as the reliant factors and intermediary for monetary execution. The examination was directed utilizing both inferential and distinct measurements explicitly mean and standard deviation. Pearson item second connection grid was utilized to decide the level of relationship among factors while numerous relapse model was utilized to test the speculations planned. Finding demonstrate that exchange credit decidedly impacted liquidity, net revenue, and return on resources.

Kuria & Memba (2016) embraced both connection and relapse examination to research the connection between charge approaches and monetary execution of Medium Size Enterprises in Kiambu County in Kenya. A purposive inspecting strategy was utilized to choose 10,000 enrolled Medium Enterprises for the review. The review took on a clear examination configuration utilizing polls and meeting advisers to gather information from the respondents. The review utilized both quantitative and subjective information. The theories were tried utilizing relationship examination. A different relapse led to deciding the connection between autonomous and subordinate factors. The investigation discovered that charge approaches impact monetary execution.

Ogundajo & Onakoya (2016) examined the impact of corporate duty anticipating the monetary presentation of assembling firms recorded on the Nigerian Stock Exchange from 2005 to 2014. The review designated 28 customer merchandise firms recorded on the Nigeria Stock Exchange, out of which 10 were chosen utilizing basic irregular examining. Summed up Least Square strategy for relapse investigation was utilized to break down the information gathered for the review. The result uncovers that forceful assessment arrangements like flimsy capitalization, charge law motivations, and different advantages of provisos in Nigerian expense laws have not been completely used by Nigerian firms. It was suggested considering this that assembling firms in Nigeria should make charge arranging a component of the company's vital monetary arranging, and utilize the help of skill in charge rehearses due to the intricacy and dynamic of Nigeria's charge laws.

### **Methodology**

This review adopted an ex-post facto research configuration, utilizing authentic information from the distributed yearly records of the chosen oil and gas firms to lead the review. Optional information containing momentary getting, creditor liability, charge payable, and creation was gathered from the distributed yearly records and fiscal summaries of the chosen oil and gas firm recorded on the Nigeria Stock Exchange. This review was directed in Nigeria and exactly on oil and gas firms recorded on the Nigeria Stock Exchange from 2010 to 2019. The review designated a populace of 11 oil and gas firms recorded on the Nigeria Stock Exchange during the time of the review. Five (5) firms were examined from the 11 oil and gas firms. The following firms were examined Total Nigeria Plc, Oando Oil Nigeria Plc, MRS Oil Nigeria Plc, Mobil Oil Nigeria Plc, and Forte Oil Nigeria Plc. The data were analyzed using the vitally measurable device of investigation utilized for the review is Pearson Product Moment Correlation Matrix.



Changed R-Square was likewise used to find out the degree by which the variety in a subordinate variable (creation cost) is clarified by the joined impact of the autonomous factors (momentary getting, creditor liability, and duty payable).

**Model Specification:**

The accompanying model was created dependent on the factors utilized in the review:

$$COP = \beta_0 + \beta_1(STB)$$

$$COP = \beta_0 + \beta_1(ACP)$$

$$COP = \beta_0 + \beta_1(TXP)$$

$$COP = \beta_0 + \beta_1(STB) + \beta_2(ACP) + \beta_3(TXP) + \epsilon$$

Where:

COP= Cost of Production

STB = Short Term Borrowing

ACP = Account Payable

TXP = Tax Payable

$\beta$ =Beta

$\epsilon$ =error terms

**Data Analysis**

The review embraced an ex-post facto research plan by which auxiliary information was gathered from the yearly reports and budget summary of the selected oil and gas firms recorded on the Nigeria Stock Exchange during the time of 2010 to 2019. The gathered information was examined utilizing the Persons Product Moment Correlation Matrix.

**Table 1: Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.878(a)	.812	.756	1091820.16541

a: Predictors: (Constant), STB, ACP, TXP

**Source:** SPSS output

The Model synopsis is introduced in table 1. From the table, the coefficient of assurance of the review shows that the Adjusted R-Square is 0.756. This implies that 76% of the variety in the expense of creation during the period is clarified by the free factors, including momentary getting, creditor liability, and duty payable while the excess 24% is clarified by different factors outside the model of the review. This outcome shows that the autonomous factors of the tested oil and gas firms are critical in clarifying the variety at the expense of creation.

**Table 2: Correlation Matrix of COP and Explanatory Variables**

		COP	STB	ACP	TXP
COP	Pearson Correlation	1			
	Sig. (2-tailed)				
	N	50			
STB	Pearson Correlation	.789	1		
	Sig. (2-tailed)	.000			
	N	50	50		
ACP	Pearson Correlation	-.323	-.675(**)	1	
	Sig. (2-tailed)	.054	.021		
	N	50	50	50	
TXP	Pearson Correlation	-.162	-.122(**)	.113(**)	1
	Sig. (2-tailed)	.271	.256	.241	
	N	50	50	50	50

\*\* Correlation is significant at the 0.01 level (2-tailed).

**Source:** SPSS Output

The results of the correlation analysis used in analyzing the secondary data collected for the study are presented in table 4.2.1. The correlation coefficients table 4.2.2 can be replaced in the correlation model as follows:  $COP = 0.789(STB) - 0.329(ACP) - 0.162(TXP) + \epsilon$ .

### **Discussion of Findings**

**Discussion of Finding One:** The connection examination demonstrates that the relationship coefficient of momentary acquiring is 0.789, which is positive, and critical at a 5% degree of importance ( $0.000 < 0.05$ ). This implies that momentary borrowings of the recorded oil and gas firms in Nigeria decidedly and emphatically relate to the creation cost of the organizations during the period. This outcome is predictable to Pecking Order Hypothesis created by Donaldson in 1961. The Theory expresses that organizations should utilize their inner assets, that is, held profit first and when this is depleted, it will use outside sources. With regards to an outside source, the main inclination ought to be an obligation and that value as a source ought to be the last choice. The outcome is likewise steady with the discoveries of Abiodun & Ivanivna (2015) who observed that obligation proportion had a positive however non-huge impact on productivity. Ohaka, Edori & Ekweozor (2020) observed that transient obligation affects the monetary exhibition of recorded firms in Nigeria's capital market. Shikumo, Oluoch & Wepukhulu (2020) found that transient obligation decidedly and fundamentally impacts monetary development estimated by utilizing both developments in income per offer and development in market capitalization. The outcome is, be that as it may, conflicting with the discoveries of Khalaf (2013) who tracked down a negative and immaterial connection between the transient obligation to add up to resources proportion and return on resources and net revenue. Githaiga & Kabiru (2015) saw that transient credits contrarily affected the monetary execution of SMEs. Onoja & Ovayioza (2015) tracked down that there was no critical connection between obligation utilization and the worth of an SME-producing firm. Kajirwa (2015) noticed that obligation financing contrarily influences firm execution however not measurably huge.

**Discussion of Finding Two:** The relationship table (4.2.2) similarly uncovers that the connection coefficient of record payable is - 0.323, which is positive, notwithstanding, that it isn't critical at a 5% degree of importance ( $0.054 > 0.05$ ). Along these lines, creditor liability adversely and inconsequentially relates to the creation cost of the recorded oil and gas firms in Nigeria during the period. This outcome is predictable to Pecking Order Hypothesis created by Donaldson in 1961. The hypothesis suggests that an inward wellspring of financing ought to be utilized first and when depleted, discussing financing ought to be utilized while value ought to be considered as a last choice in subsidizing a firm. It is additionally predictable with the discoveries of Trade credit decidedly impacted liquidity, net revenue, and return on resources. Dongya et al (2015) observed that exchange credit is all together and decidedly related to firm execution. Kapkiyai & Mugo (2015) observed that exchange credit decidedly impacted liquidity, overall revenue, and return on resources. Abiodun & Ivanivna (2015) saw that exchange credit decidedly impacted the productivity of firms in Nigeria. The outcome, notwithstanding, appeared differently from the finding of Okpe & Duru (2015) who express that creditor liabilities proportion had a negative critical impact on the productivity proportion.

**Discussion of Finding Three:** The connection table (4.2.2) further demonstrates that the relationship coefficient of expense payable is - 0.162, which is positive, yet not huge at a 5% degree of importance ( $0.271 > 0.05$ ). Accordingly, we infer that the charge payable contrarily and irrelevantly relates to the creation cost of the recorded oil and gas firms in Nigeria during the period. This outcome is predictable to the discoveries of Kuria and Memba (2016) who noticed that charge approaches impact monetary execution. The outcome is inconsistency with the discoveries of Johansson et al (2009) who saw that corporate expenses are viewed as generally destructive for development, trailed by close-to-home annual charges, and afterward utilization charges. Laura (2013) tracked down a negative connection between expense rate, loan cost, and execution, and a positive relationship between influence, firm size, development, and monetary exhibitions. Gatsi et al (2013) identified a critical negative connection between corporate annual duty and monetary execution.



### Summary of Findings

By the information examination and the outcomes, we sum up the discoveries of the concentrate as follows:

- i. Short-term borrowings emphatically and unequivocally related to the cost of creation of oil and gas firms in Nigeria. The relationship coefficient of momentary acquiring is positive at 0.789, and the degree of importance ( $0.000 < 0.05$ ). Accounts payable adversely and feebly relate to the cost of creation of oil and gas firms in Nigeria. The coefficient of record payable is positive with - 0.323, and the degree of importance ( $0.054 > 0.05$ ).
- ii. Tax payable additionally adversely and pitifully relate to the cost of creation of oil and gas firms in Nigeria. The relationship coefficient of expense payable is positive with - 0.162, and the degree of importance ( $0.271 > 0.05$ ).

### Conclusion

The review investigated the connections between current obligations and the efficiency of oil and gas firms in Nigeria from 2010 to 2019. To lead the review, five firms were focused on out of the eleven firms recorded on the Nigeria Stock Exchange during the period. A basic arbitrary testing procedure was taken on in choosing the five firms. Time series information was gathered from the inspected firms covering the time of the review. The information gathered was investigated utilizing the Persons' Correlation Matrix. On the strength of the outcomes acquired from the examination, we reason that the connection between momentary borrowings and the cost of the creation of oil and gas firms in Nigeria is positive and solid. We additionally reason that the connections between creditor liabilities and duty payable with the cost of creation are separately negative and feeble.

In light of the discoveries and finish of the review, we suggest that:

- i. Oil and gas firms working in Nigeria should fund their creation with a greater amount of long-haul credits and value to cut down their creation cost. This is because as transient acquiring was rising, creation cost was likewise rising as well as the other way around. The significant expense of creation will prompt high selling costs per barrel of oil and gas delivered which will decrease the upper hand of the organizations.
- ii. Oil and gas firms in Nigeria should utilize a greater amount of record payable to back their creations to cut down their creation cost per barrel of unrefined petroleum. Aftereffect of investigation demonstrated that as record payable increment, the cost of creation of oil and gas lessens. This could infer that creditor liability is a modest wellspring of momentary subsidizing when contrasted and transient acquiring with a fixed pace of interest commitment that should be met as and when due.
- iii. Oil and gas firms in Nigeria ought to accommodate various degrees of expenses and utilize the duty arrangements to subsidize oil and gas creation until the charges are expected for settlement to an important assessment authority. As shown by the consequence of the study, the charge payable is a decent wellspring of transient financing for the creation of oil and gas in Nigeria.

## References

- Abdul, G. K. (2010). The relationship of capital structure decisions with firm performance: A study of The Engineering Sector of Pakistan. *COMSATS Institute of Information Technology, Vehari*
- Aboagye, K. A., Adjei, B. G., Amponfi O. K. B., Abena G and Alhassan A. J. (2013). The impact of trade Credit management on a firm's Performance (Case Study-Guinness Ghana Brewery Limited). A Project Work Presented to The Department of Business Administration for The Award of BSc In Accountancy.
- Ani, W. U., Okwo, I. M. and Ugwunta, D. O. (2013). Effects of Working Capital Management on Profitability: Evidence from The Top five Beer Brewery Firms in The World. *Asian Economic and Financial Review* 2(8):966-982.
- Asimakos, I., Samitas, A. and Papadogonas, T. (2009). Firm-specific and economy-wide determinants of firm profitability Greek evidence using panel data. *Managerial Finance*, (1) 35, 930-939.
- Averkamp H. (2017) What are current liabilities? <https://www.accountingcoach.com/blog/what-is-a-current-liability>
- Ani, W. U., Okwo, I. M. and Ugwunta, D. O. (2014). Effects of Working Capital Management on Profitability: Evidence from The Top five Beer Brewery Firms in The World. *Asian Economic and Financial Review* 2(8):966-982. Manufacturing Company. *International Journal of Innovative Research and Studies* 9(2), 2319-9725.
- Baker, A. (2021). Advantages of Short Term Loans [https://www.streetdirectory.com/travel\\_guide/181138/debts\\_loans/advantages\\_of\\_shortterm\\_loans.htm](https://www.streetdirectory.com/travel_guide/181138/debts_loans/advantages_of_shortterm_loans.htm)
- Boissay, F. and Gropp, R. (2007). Trade credit defaults and liquidity provision by firms. *European Central Bank working paper*, series 753, 2007.
- Carlson, R. (2020). What to Know About Short-Term Business Loans and Debt Financing. <https://www.thebalancesmb.com/short-term-business-loans-393107>
- Cheong, F. C. (2009). Equity Financing and Debt Financing (Relevant to PBE Paper II – Management Accounting and Finance). *Presented to Steve School of Business, Macao Polytechnic Institute, China*.
- Cohen, S., Cheg, L., & Ledford, G. (1997). A hierarchical construct of self-management leadership and its relationship to quality of work life and perceived work group effectiveness. *Personal Psychology*, 20(1), 275-308.
- Cunat, V. (2007), Trade Credit: Suppliers as debt collectors and insurance providers. *Review of Financial Studies*, 20:491-527, 2007.
- Donaldson, L. & Davis, J. H. (1991). Stewardship theory or agency theory: CEO governance and shareholder returns. *Australian Journal of Management*, 1(16), 49-64.
- Ebaid, I. E. (2009). The Impact of Capital- Structure choice on Firm Performance: Empirical Evidence from Egypt. *The Journal of Risk Finance*, 10(5), 477-487.
- Ebenezer, A. B. and Asiedu, M. K. (2013). Working Capital Management and Profitability. *International Journal of Business and Social Research (IJBSR)*, 2(3), 25-33.
- Ferrando, A. and Mulier, K. (2012). Do firms use the Trade credit channel to manage growth? *European Central Bank Working Paper Series*, No 1502, December 2012.
- Fidel. J. and Fabio, S. (2002). Access to Long Term Debt and Effects on Firms' Performance: Lessons from Ecuador. *Research Network Working paper #R-460*, Boston College and Institute for the Study of Labor (IZA).
- Fitzsimmons, J. R., Steffens, P. R., and Douglas, E. J. (2005). Growth and Profitability in Small and Medium Sized Australian Firms. *AGSE Entrepreneurship Exchange, Melbourne*.
- Fisman, R. and Love, I. (2003). Love. Trade credit, financial intermediary development, and Industry growth. *Journal of Finance*, 58:353-374, 2003.
- Goswami, G. & Shrikhande, M. M. (2001). Economic exposure and debt financing choice. *Journal of Multinational Financial Management*, 11 (1), 39-58.
- Haniffa, R. and Hubaib, M. (2006). Corporate governance structure and performance of Malaysia listed companies. *Journal of Business Finance and Accounting*. 33(7-8), 1034-1062
- Hill, C. (2017). How to Calculate the Provision for Income Taxes on an Income Statement
- Investopedia (2015) <http://www.investopedia.com/terms/n/nonequityoption.asp>
- Kahl, M., Shivdasani, A., & Wang, Y. (2015). Short-term debt as bridge financing: evidence from the commercial paper markets. *The Journal of Finance*, 70(1), 211-255.

- Kapkiyai, C. & Mugo, R. (2015). Effect of trade credit on financial performance of Small Scale Enterprises: Evidence from Eldoret Town, Kenya. *International Journal of Economics, Commerce and Management United Kingdom*, 9(1), 184-189.
- Kennon, J. (2017). Understanding the Components of Current Liabilities. <https://www.thebalance.com/current-liabilities-357273>.
- Kuria, S. M. & Memba, F. (2016). Relationship Between Tax Policies and Financial Performance of Medium Size Enterprises in Kenya, A Case of Kiambu County. *International Journal of Social Science and Information Technology*, 4(3), 409-425.
- Krishnamurthy, A., & Vissing-Jorgensen, A. (2013). Short-term debt and financial crises: What we can learn from US Treasury supply. Unpublished, North-Western University, May 2012.
- Akeem, L. B, Terer, E. K, Kiyanjui, M. E and Adisa, M. K. (2014). The Effects of Capital Structure on Firm's Performance: Empirical Study of Manufacturing Companies in Nigeria. *Journal of Finance and Investment Analysis*, 4(3), 39-57.
- Loth, R. (2016), Debt ratios, Investopedia, <http://www.investopedia.com/university/ratios/debt/ratio5.asp>
- Martínez-Sola, C., García-Teruel, P.J and Martínez-Solano, P. (2012). Trade Credit and Sme Profitability. Research Paper presented to the Department of Management and Finance Faculty of Economics and Business University of Murcia Murcia (SPAIN).
- Mengesha W (2014). Impact of Working Capital Management on Firms' Performance. Thesis Submitted to the Department of Accounting and Finance in Partial Fulfilment of the Requirements for the Award of Master of Science (MSc) Degree in Accounting and Finance.
- Mateja G. U and Andreja H. L (2013). Debt financing and firm performance before and during the crisis: micro-financial evidence from Slovenia.
- Modigliani, F., and M. Miller, (1958). The Cost of Capital, Corporation Finance and the Theory of Investment. *American Economic Review*, 4(8), 261-297.
- Myers, S. and N. Majluf, (1984). Corporate Financing and Investment Decisions When Firms Have Information that Investors Do Not Have," *Journal of Financial Economics* 1(13), 187-222.
- Obaidullah J (2013). Financial Accounting-Current Liabilities. <http://accountingexplained.com/financial/current-liabilities/>
- Ogundajo, G. O & Onakoya, A. B (2016). Tax planning and financial performance of Nigerian manufacturing companies. *International Journal of Advanced Academic Research, Social & Management Sciences*, 2(7), 64-80.
- Ohaka, J, Edori, D. S & Ekweozor, U.C (2020). Debt financing and firms' financial performance in Nigeria. *Account and Financial Management Journal*, 5(2), 2106-2113.
- Okpe, I. I & Duru, A N (2015). The effect of accounts payable ratio on the financial performance of food and beverages manufacturing companies in Nigeria. *Quest Journals Journal of Research in Business and Management* 9(3), 15-21.
- Okpe I. I & Duru, A. N (2015). The Effect of accounts payable ratio on the financial performance of food and beverages manufacturing companies in Nigeria. *Journal of Research in Business and Management*, 3(9), 15-21
- Onyango M (2015). The Effect of Tax Incentives on Financial Performance of Five-Star Hotels in Nairobi County. A Research Project Submitted in Partial Fulfilment of The Requirements for The Award of The Degree of Master Of Business Administration, School Of Business, University Of Nairobi.
- Riddle, D.I (2008). optimizing sources of funds. CMC service-growth consultants Inc. [riddle@servicegrowth.com](mailto:riddle@servicegrowth.com)
- Raine, M & Holt, O, (2014). Tax accounting: Current and deferred tax. A publication of Deloitte, 2014 number 2.
- Shikumo, D.H, Oluoch, O & Wepukhulu, J.M (2020). Effect of short-term debt on financial growth of non-financial firms listed at Nairobi Securities Exchange. *Research Journal of Finance and Accounting*, 11(20), 133-141.
- Tailab, M. (2014). The effect of capital structure on profitability of energy American firms. *International Journal of Business and Management Invention*, 3(12), 30-41.
- Trevor, N. K., Jesse, L. and Éva, N. 2014), Checking Account Overdraft. Consumer financial Protection Bureau Publications, 2014.
- Tuovila, A. (2021). What Are Accounts Payable (AP)? <https://www.investopedia.com/terms/a/accountspayable.asp>

- Vijayakumar, A. and Devi, S.S. (2011). Growth and profitability in Indian Automobile Firms; An analysis. *Journal for Bloomers of Research*, 3(2), 168-177.
- Wallace E. H (2010). Household Production Theory and Models. Paper presented to Iowa State University Department of Economics Ames, Iowa, 50011-1070.