Quote Number: E80T-00090 Service Date: 03-Mar-2020

Quote

Schlumberger

Customer Name:		Customer: WEST VIRGINIA UNIVERSITY	PO:
WEST VIRGINIA UN	IVERSITY	Well Name/#: Boggess 17H	Cust Cont#:
330 BROOKS HALL		Field:	Comm Agmnt:
		County:	AFE:
		State/Prov:	Ext Ref:
MORGANTOWN	WV	Country: UNITED STATES	Cust Ref:
26506		UWI:	Estimated Job 03-Mar-2020
Customer Rep :	Brian Panetta	Rig:	Date: 03-Mar-2020
Sales Engineer:	John Keller	Run #:	SLB Loc: (SAP-2157) Houston - NGC - TS

Service Instructions:

Ln	SPN	Desc	Qty UOM	Price Disc	Amount O
0	RC-SPECGAM	Spectral core gamma log includes total gamma log and K Th U			
0.	WTTFOOT01	Footage Charge	138 FT	12.00	1,656.00
				Est Sub Total:	1,656.00
80	RC-PHOTO-SLBWL	Slabbed core photography, white light (WL), digital delivery, 350(high res)-600 (ultra high res) DPI			
0	WTTFOOT01	Footage Charge	138 FT	10.00	1,380.00
				Est Sub Total:	1,380.00
0	CORE-P-PLUG-H2O	Plug drilling, air, water or brine (brine preparation not included), 1in or 1.5in diameter			
0	WTTPANA	Per analysis	34 EA	20.00	680.00
				Est Sub Total:	680.00
'0	RC-BLKDENSITY	Bulk Density			
80	WTTPANA	Per analysis	34 EA	25.00	850.00
				Est Sub Total:	850.00
0	SP-TRA-POR	TRA Porosity			
00	WTTPANA	Per analysis	34 EA	225.00	7,650.00
				Est Sub Total:	7,650.00
.10	SP-TRA-PRE	TRA Pressure Decay Permeability			
20	WTTPANA	Per analysis	15 EA	225.00	3,375.00
				Est Sub Total:	3,375.00
.30	GEOC-SR-TOC	Total Organic Carbon Analysis by Leco.			
L40	WTTPSAM	Per sample	34 EA	40.00	1,360.00
				Est Sub Total:	1,360.00
.50	GEOC-SR-RE	Rock Eval 6 analysis.			
.60	WTTPSAM	Per sample	34 EA	60.00	2,040.00
				Est Sub Total:	2,040.00
70	GEOC-SR-VR	Source rock or kerogen vitrinite reflectance (and/or equivalents) only, does not include kerogen separation.			
180	WTTPSAM	Per sample	5 EA	300.00	1,500.00
				Est Sub Total:	1,500.00
.90	RC-ADS-C1	Adsorption Isotherm CH4			
200	WTTPANA	Per analysis	1 EA	1,600.00	1,600.00
				Est Sub Total:	1,600.00
210	PET-CMP-XRDFULL	XRD Whole Rock and Clay Size Fraction			

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Quantitative Mineralogy

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	z Eliginioon.	Tell #1		(e: ii) : :	
Ln	SPN	Desc	Qty UOM	Price Disc	Amount C
220	WTTPANA	Per analysis	34 EA	250.00	8,500.00
				Est Sub Total:	8,500.00
230	PET-HND-STD-TS	Thin section preparation (standard size 1in x 2in), dual carbonate stain and red epoxy with epifluorescent additive			
240	WTTPANA	Per analysis	10 EA	60.00	600.00
				Est Sub Total:	600.00
250	PET-DET-SEMSTD	Detailed SEM Analysis (conventionals), 4 images (1 overview) documenting textural features, porosity types, mineralogy			
260	WTTPANA	Per analysis	10 EA	600.00	6,000.00
				Est Sub Total:	6,000.00
270	GEOM-TCS-UV	TCS test with evaluation of static and dynamic elastic properties and 5 sets of UVs and axial strain rate of 1Em5			
280	WTTPANA	Per analysis	2 EA	1,100.00	2,200.00
				Est Sub Total:	2,200.00
290	GEOM-MSC-3SAM	Multi stress compression test for analysis of elastic anisotropic properties and in situ stress 3 samples			
300	WTTPANA	Per analysis	1 EA	4,500.00	4,500.00
				Est Sub Total:	4,500.00
				Requested Total Optional Total	43,891.00
				Quote Total (USD)	43,891.00

Estimated Discounted Total (USD): 43,891.00

THE ESTIMATED CHARGES SHOWN ABOVE MAY BE EXCLUSIVE OF TAX AND THE FINAL INVOICE WILL INCLUDE ALL APPLICABLE TAXES.

UNLESS OTHERWISE SPECIFIED BY SCHLUMBERGER, THIS QUOTATION IS VALID FOR A PERIOD OF 30 DAYS FROM THE ABOVE QUOTE DATE, AND THE WORK WILL BE PERFORMED IN ACCORDANCE WITH THE ATTACHED GENERAL TERMS AND CONDITIONS, OR THE TERMS OF THE APPLICABLE MASTER SERVICE AGREEMENT IF ONE IS IN FORCE BETWEEN CUSTOMER AND SCHLUMBERGER. CUSTOMER'S WRITTEN ACCEPTANCE OF THE TERMS OF THIS QUOTE SHALL FORM A BINDING CONTRACT BETWEEN THE PARTIES UNDER THE TERMS OF THE ATTACHED GENERAL TERMS AND CONDITIONS OR THE APPLICABLE MASTER SERVICE AGREEMENT.

This document is Confidential and intended for authorized users only

Signature of Custo	mer Authorized Repre	esentative:		Signature of Schlumber	ger Representative:
BILL		3/6/0	20		
Brian Panetta	JO Commission	Date		John Keller	Date
Bis. Carney	VI besschweg		() C		

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THE FOLLOWING GENERAL TERMS AND CONDITIONS CONTAIN INDEMNITY AND CHOICE OF LAW PROVISIONS - READ CAREFULLY

ACCEPTANCE. By ordering Schlumberger's services, equipment, or products, Customer voluntarily elects to enter into and be bound by these General Terms and Conditions, along with any commercial documents that accompany the Order.

- ITTIONS.

 Chemicals any chemicals, substances and Fluids, used or unused, or considered as waste or by-products, cuttings, or cavings, radioactive tracer material and other hazardous wastes (as defined pursuant to applicable law and including but not limited to any packaging, transportation or storage containers and/or materials) and residue resulting from, or incident to, Schlumberger's performance of the Work.

 Claim(s) Damage, loss, expense, liability, claims, demands and causes of action of every kind and character (including spousal and survivor's actions, all costs and expenses, and reasonable attorney fees associated therewith) including, but not limited to, special, punitive, exemplary, general, compensatory, direct, indirect, incidental, or consequential damages, either under common law, equity, statute, or otherwise, whether based on tort, contact, strict liability, or statutes that may or could be asserted including without limitation, actions In rem or in personam, civil or criminal actions and/or causes of action howsover arising.
- In rem or in personam, civil or criminal actions and/or causes of action howsoever arising.

 Customer the person, firm or other entity to which any Work is supplied or provided by
- Customer the person, firm or other entity to which any Work is supplied or provided by Schlumberger.

 Fluids chemicals, emulsions, or chemically treated fluids and residue, including but not limited to drilling fluids, completion fluids, displacement fluids, wellbore fluids, wellbore treatments, stimulation fluids, whether water, oil, or synthetic based.

 Group Either Schlumberger or Customer and its respective contractors, subcontractors, consultants, agents, invitees, co-venturers, co-owners, partners, investors, joint venturers, co-lessees, co-working interest owners, lessors, Customer's clients (as part of Customer Group), and its and their parents, affiliates, subsidiaries, and each of their respective officers, directors, managers, shareholders, members, representatives, servants, consultants, agents, employees and invitees. agents, employees and invitees.

 Order – an oral or written
- agents, employees and invitees.

 Order an oral or written request for Work, a Schlumberger quotation accepted by Customer and/or a service or purchase order document issued by Customer and accepted by Schlumberger, which together with these General Terms and Conditions constitute the Contract between Schlumberger and Customer. Schlumberger shall not be obligated to provide any Work before an Order is agreed to by both parties.

 Products equipment, goods, materials, tools, supplies, Chemicals and/or products or equipment sold or otherwise provided by Schlumberger to Customer.

 Rentals Customer's hiring of Products and/or equipment from Schlumberger for a period of time.
- q.
- Rentals Customer's hiring of Products and/or equipment from Schlumberger for a period of time.

 Schlumberger the entity providing Work to Customer, which may be: Schlumberger Technology Corporation, a Texas corporation, for and on behalf of itself and its US affiliates (schulding Western Geoc LLC); and/or M-T L.L.C, a Delaware limited liability company, for and on behalf of itself and its US affiliates; and/or Smith International, Inc., a Delaware corporation, for and on behalf of itself and its US affiliates; and/or Cameron International Corporation, a Delaware corporation, for and on behalf of itself and its US affiliates.
- Services services provided by Schlumberger to Customer, including Products and j. personnel customarily required to provide such services.

 Work — Products, Services and/or Rentals.
- INVOICING AND PAYMENT TERMS. Customer acknowledges that Schlumberger's payment terms are cash in advance unless the value of the Work is supported by Customer credit approved by Schlumberger prior to the transaction. Customer also acknowledges that Schlumberger, in its sole discretion, may refuse to grant Customer the right to request Work on credit and/or may rectified the right to request Work on credit at any time. In the event that Customer's credit account with Schlumberger becomes delinquent, Schlumberger shall have the right to require, at its sole discretion, payment in advance, an irrevocable letter of credit, or bank guarantee as a condition to continue performing any ongoing Work or accepting any additional Work.

For transactions not supported by Schlumberger approved credit, Schlumberger's invoice will be issued upon receipt of full payment from Customer. If Customer requires any supporting documents or information (e.g. order #, AFE #, etc.) to be submitted with Schlumberger's invoices, then such requirements must be agreed in the Order before the Work is provided. Unless otherwise specifically agreed in an Order, the following invoicing conditions shall apply to Work for which credit has been

- ed:

 Schlumberger may invoice Customer for each portion or stage of the Work, as described and priced in the Order, as soon as practicable and without frequency restrictions.

 Schlumberger may invoice Customer for Products as follows: fifty percent (50%) of the sale price immediately upon receipt and acceptance of an Order, and the remaining fifty percent (50%) immediately upon delivery of the Products.

 Schlumberger may invoice Customer for Rentals in advance, as follows: one hundred percent (100%) of the rental price for the initial rental period immediately upon receipt and acceptance of an Order. In the event the rental is extended beyond the initial rental period or the scope is expanded, Schlumberger will submit a subsequent invoice to Customer for an amount equal to one hundred percent (100%) of the additional rental price to cover such extended period or expanded scope. extended period or expanded scope.
- Schlumberger may invoice Customer for any and all reimbursable items in advance

Schlumberger's invoice shall be deemed correct and shall evidence Customer's acceptance of Work delivered, unless Schlumberger receives prompt written notice of any disputed items within five (5) business days after the date of the invoice. Such notice shall explain the reason for the dispute in detail, along with any supporting documentation of Customer's position, and Customer and Schlumberger will meet in good faith within fifteen (15) calendar days from Schlumberger's receipt of the notice to resolve the dispute. If an invoice is disputed, however, Customer agrees to pay Schlumberger any undisputed portion of that invoice as set forth below and without delay. Upon settlement of the dispute, Customer shall immediately pay to Schlumberger all amounts agreed by the parties to be due with respect to the disputed amount(s) and Schlumberger shall make the appropriate corrections regarding the disputed amounts by issuing, as applicable, a credit or debit note to Customer. Customer shall have no right to withhold or offset payments, except to the extent it is agreed as a result of the foregoing dispute resolution procedure. Customer waives all rights to dispute any item (or submit a claim for amounts invoiced) where Schlumberger has not received written notification of a disputed item within two (2) years from the date such Work is actually provided. actually provided.

Customer shall pay the total invoice amount without any payment retentions (other than taxes which must be withheld as mandated by tax legislation). Payment shall be made by electronic transfer of funds to Schiumberger's designated bank account, or by other payment means mutually agreed, at Schiumberger's office in Houston, Texas, unless another office location has been designated in the payment instructions contained in an Order or an invoice. The payment for any transaction for which credit has been approved shall be due to, and received by, Schiumberger, on or before the thirtieth (30th) day from the date of the invoice.

When payment is electronic (e-commerce), Customer and Schlumberger may agree to mutually When payment is electronic (e-commerce), Customer and Schlumberger may agree to mutually beneficial electronic processes for executing business transactions, including but not limited to the system-to-system exchange of purchase orders, field tickets, bills of lading, invoices and electronic catalogs. Such electronic transactions shall adhere to industry accepted standards and processes (Petroleum Industry Data Exchange (PIDX)). Customer, Schlumberger, and any contracted third party technology providers will execute a standard Electronic Data Agreement between Customer and OFS Portal, LLC or a mutually agreed upon Electronic Data Agreement developed around the OFS Portal, LLC agreement to govern said electronic transactions.

Customer agrees that Schlumberger is entitled to charge and accrue interest on any past due balance (including amounts that are disputed by Customer but are found to be due and owing) at

the rate of 1.5% per month or the maximum interest allowable by applicable state or federal laws, if such laws limit interest to a lesser amount. If Schlumberger employs a collection agency or attorneys to collect any outstanding invoice(s) or enforce its rights under these General Terms and Conditions, Customer agrees to pay all actual expenses of collection, all collection agency fees, and all attorneys' fees and court costs, including, but not limited to, attorneys' fees incurred in connection with litigation, mediation, arbitration, bankruptcy, or other proceedings. In the event that Customer's payment of Schlumberger's invoice is received by Schlumberger after the due date, any price discount will be unearned, and Schlumberger has the right to revoke any and all discount previously applied in arriving at the net invoice price. Upon revocation, the full invoice price, without discount, will become immediately due and owing and subject to collection.

As used herein, the term "Receivables" shall mean: all of Customer's rights and interests in (a) all accounts and (b) all general intangibles, whether now existing or hereafter arising, and all proceeds thereof, relating to the properties for which Schlumberger provides Work. Customer hereby grants a security interest in Customer's Receivables to secure Customer's obligations to Schlumberger, whether now existing or hereafter arising. Customer shall promptly support Schlumberger as may be necessary to file all instruments (including financing statements), in order to perfect, preserve, protect and renew the security interests granted herein on all Receivables.

- TAXES. Customer shall pay or reimburse Schlumberger for, to the extent allowed by applicable laws and regulations, any and all taxes or other levies (other than Schlumberger's income taxes) imposed by any government, governmental unit or similar authority with respect to the charges made or payments received by Schlumberger in connection with the Work.
- INDEPENDENT CONTRACTOR. Schlumberger is and shall be an independent contractor with respect to the performance of Work, and neither Schlumberger nor anyone employed by Schlumberger shall be the agent, representative, employee or servant of Customer in the performance of such Work or any part thereof. When Schlumberger's employees (defined to include Schlumberger's direct, borrowed, special, or statutory employees) are covered by the Louisian Workers' Compensation Act, La R.S. 23:1021 et seq., Customer and Schlumberger agree that all Work and operations performed by Schlumberger and its employees pursuant to this Contract are an integral part of and are essential to the ability of Customer to generate Customer's goods, products and Services for purposes of La R.S. 23:1051 (A)(1). Furthermore, Customer and Schlumberger agree that Customer Is the statutory employer of Schlumberger's employees for purposes of La R.S. 23:1061 (A)(3), Irrespective of Customer's status as the statutory employer or special employer (as defined in La R.S. 23:1031 (C)) of Schlumberger's employees, Schlumberger shall remain primarily responsible for the payment of Louisiana workers' compensation benefits to its employees, and shall not be entitled to seek contribution for any such payments from Customer.

OBLIGATIONS OF CUSTOMER.

- ployees, and shall not be entitled to seek contribution for any such payments from Customer.

 SATIONS OF CUSTOMER.

 Well Conditions: Notification of Hazardous Conditions. Customer, having custody and control of the well and superior knowledge of the conditions in and surrounding it, shall provide Schlumberger with all necessary information to enable Schlumberger to perform its Services safely and efficiently, Schlumberger's Products, Rentals and Services are designed to operate under conditions normally encountered in the well bore; however, if hazardous or unusual conditions exist, Customer shall notify Schlumberger in advance and make special arrangements for servicing such wells.

 Chemicals. The handling, transportation, treatment and/or disposal of any Chemicals, used in or resulting from Schlumberger's performance of the Work, is the sole responsibility of Customer, including when such Chemicals are returned to the surface of the land or sea from below the rotary table. In no event shall Schlumberger be considered the generator of Chemicals or samples, irrespective of any handling transportation, treatment, or disposal provided by Schlumberger. Customer understands and agrees that all Chemicals and samples are the property of Customer and that Customer is the generator of the Chemicals and samples are many return samples to Customer upon completion of Schlumberger's analysis or dispose of samples, at Customer's cost, in accordance with Customer's instructions. All Chemicals and fluids in the drilling rig's tanks, piping, valves, and pumps, and in the borehole and reserve pit (or frac tanks where there is not a reserve pit) are not in Schlumberger's possession or control, and that Schlumberger is not responsible for such. Customer agrees that it will handle, transport and dispose of any such Chemicals and applicable federal, state and local laws and regulations. CUSTOMER HEREBY AGREES NOT TO ASSERT ANY CLAIM OR BRING ANY COST RECOVERY ACTION AGAINST SCHLUMBERGER GROUP AND SHALL WAIVE, RELEASE, PROTECT, DEFE
- contamination and radiation exposure, and decontaminate the environment, equipment and personnel.

 TENORM. Any equipment used, whether it belongs to Contractor Group, Customer Group or a Third Party, that is intended to be returned to Contractor's storage facility, base, service center or field site will be tested for Technically Enhanced Naturally Occurring Radioactive Material ("TENORM") prior to backloading from the site. This shall be done irrespective of ownership of the equipment and regardless of whether Contractor Group, Customer Group, or a Third Party uninstalls the equipment. Any equipment found to be decontaminated by TENORM shall be the responsibility of Customer and shall be decontaminated by TENORM shall be the responsibility of Customer and shall be decontaminated by TENORM shall be the responsibility of Customer and shall be decontaminated by Tenor the handling of TENORM contaminated equipment at the site for disposal by Customer and the provided for or reimbursed by Customer. Once decontaminated, equipment shall be transported to Contractor's storage facility, base, service center or field site with appropriate documentation from Customer's nominated waste management contractor verifying decontamination. All costs associated with decontamination, storage, transportation, and disposal of TENORM contaminated equipment and PPE shall be for Customer's account. Moreover, if Contractor Group's equipment becomes contaminated, by TENORM to a level where it is no longer economical to clean or decontaminate, Customer shall take custody of such equipment and reimburse Contractor for the full new replacement cost of such equipment. Customer shall assume the entire responsibility for operations in which Customer Group or a third party fish or attempt to fish for the equipment of softlumberger Group or perform any operation that may jeopardize the retrievability or the integrity of equipment. Customer, render assistance for the recovery of such equipment. Customer shall use commercially resonable efforts to
- recovery of Schlumberger Group's equipment.

 Change Orders. Customer may, with reasonable notice, request to change the Work to be provided under an Order by issuing a written change order authorization document (referred to herein as the "Change Order"). If upon receiving a Change Order, Schlumberger determines that there is any impact that increases the cost or affects the time to perform or provide the Work, Schlumberger shall submit a proposal to Customer specifying the pricing

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and scheduling changes needed to execute the Change Order. Customer shall review the proposal and may accept, reject or modify the proposal, subject to mutual agreement; however, Customer shall be deemed to have accepted such proposal once Schlumberger proceeds as specified in the Change Order. Schlumberger may, at its sole discretion, decline to execute the Change Order and such declination to execute shall not prejudice Schlumberger's rights under the applicable Order.

- WARRANTY FOR PRODUCTS, RENTALS AND SERVICES.

 a. Schlumberger warrants that all Services provided hereunder shall be performed in a good and workmanilke manner in accordance with good oilfield practices and that it shall exercise dilligence to ensure the correctness and safe transport of all log, test and other data. Schlumberger warrants that all Services provided hereunder shall be performed in a good and workmanilke manner in accordance with good oilfield practices and that it shall exercise dilligence to ensure the correctness and safe transport of all log, test and other data. Schlumberger will give Customer the benefit of its best judgment based on its experience interpreting information and making written or oral recommendations concerning logs or tests or other data, type or amount of material or service required, manner of performance or predicting results. Nevertheless, all such recommendations or predictions are opinions only and, in view of the impracticability of obtaining first-hand knowledge of the many variable conditions, the reliance on inferences, measurements and assumptions which are not infallible, and/or the necessity of relying on facts and supporting services fruished by others, NO WARRANTY IS GIVEN CONCERNING THE ACCURACY OR COMPLETENESS OF ANY LOG, TEST, RESERVOIR OR SETSMIC DATA (INCLUDING SOFTWARE MODELS), OR OTHER DATA, THE EFFECTIVENESS OF MATERIAL USED, RECOMMENDATIONS GIVEN, OR RESULTS OF THE SERVICES RENDERED. SCHLUMBERGER SHALL NOT BE HELD RESPONSIBLE FOR ANY LOSS OR DAMAGE ARISING FROM THE RESULTS AND/OR RECOMMENDATIONS SUGGESTED BY SUCH WORK, NOR IS THE WORK INTENDED TO PROVIDE THE BASIS FOR ANY DECISIONS SUBSEQUENTLY MADE BY CUSTOMER, WHICH ARE AND SHALL REMAIN CUSTOMER'S SOLE RESPONSIBILITY. SCHLUMBERGER GUARANTEE THE SAFE STORAGE OR THE LENGHT OF TIME OF STORAGE OR AGAINST LOSS OF ANY DIGITAL TAPPES, OPTICAL LOGS OR PRINTS, OR OTHER SIMILAR PRODUCTS OR MATERIALS. Any warranty claim for Services must be made prior to Schlumberger demanded that products brintshed hereunder
- rapidly wearing Products or consumables. Schlumberger does not warrant or guarantee the results of the use of Rentals. Well conditions which prevent satisfactory operation of Rentals do not relieve Customer of its responsibilities for payment of the rental prices and other costs agreed upon in the applicable Order. Schlumberger's sole liability and Customer's exclusive remedy under the foregoing warranties is expressly limited to the repair, replacement or the refund of an equitable portion of the applicable purchase or rental price, at Schlumberger's sole option, of Products, Rentals or Services which prove to be defective within the warranty period and shall not include claims for labor costs, non-productive time, expenses of Customer resulting from such defects, including but not limited to removal or reinstallation of Products or the costs of heavy lifting or vessel /rig time, recovery under general tort law or strict liability or for damages resulting from delays, loss of use, or other direct or indirect, incidental or consequential damages of any kind. A Customer claim pursuant to this warranty shall be made immediately upon discovery and confirmed in writing within thirty (30) days after discovery of the defect. Where items claimed to be defective are determined not to be defective as a result of Customer Group's use of the item, Schlumberger may invoice the service call to Customer. Defective items must be held for inspection or returned to the original Schlumberger delivery point upon request, Schlumberger shall have the right to determine the cause of such defect, Returned Products shall become the property of Schlumberger. In no event shall Schlumberger he liable for the cost of substitute products, services, or rentals obtained by Customer from others to cover any Product, Service or Rental which is defective or otherwise not in compliance with the applicable Order. Notwithstanding anything to the contrary herein, with regard to any services, materials, products or equipment furnished by contractors

THE FOREGOING WARRANTIES FOR SERVICES, PRODUCTS AND RENTALS ARE IN LIEU OF ALL OTHER WARRANTIES, WHETHER ORAL, WRITTEN, EXPRESS, IMPLIED OR STATUTORY. IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY SHALL NOT APPLY. SCHLUMBERGER'S WARRANTY OBLIGATIONS NO CUSTOMER'S REMEDIES THEREUNDER (EXCEPT AS TO TITLE) ARE SOLELY AND KILLSIVELY AS STATED HEREIN.

TITLE AND RISK OF LOSS

- Unless otherwise agreed between the parties in an applicable Order, title to and risk of loss for Products sold, other than Fluids, will pass to Customer upon the earlier of payment, factory acceptance test (or other acceptance testing) or delivery to Customer's designated carrier at Schlumberger's manufacturing facility. The prices of Products exclude any costs of transportation, handling, insurance or any other costs for delivery beyond Schlumberger's manufacturing facility set forth in the quotation or applicable Order or other document as agreed to by Customer. At Customer's request, Schlumberger may arrange for shipment of Products to a location designated by Customer, and Customer will pay or reimburse Schlumberger for all freight, preparation, and in-transit insurance costs so incurred by Schlumberger. At Customer's request, subject to storage space availability and upon mutual agreement on storage fees, Schlumberger may agree to a billi-and-hold arrangement where Schlumberger would temporarily store Products sold to Customer, but Customer agrees that in such a case the title to and risk of loss for Products sold and stored will pass to and remain with Customer upon delivery to Schlumberger's designated storage facility, regardless of when the Products are ultimately delivered to Customer. In the event that purchased or repaired Products not subject to a bill-and-hold arrangement are left at a Schlumberger facility for over thirty (30) days, Schlumberger reserves the right at its sole discretion to charge storage fees to Customer and/or to consider the Products abandoned and sell them for scrap or otherwise dispose of them at Customer's cost. Title to and risk of loss for cement and stimulation fluids will transfer to Customer upon blending or deployment into the well or Customer's equipment connected to the well. Title to and risk of loss for fluids, other than cement and stimulation fluids, will transfer to Customer's location, or (iii) upon blending, whichever occurs first. Title to and risk of loss f

The time, method, place or medium of payment will not limit Schlumberger's rights in and to the Products until payment has been received in full. On all Orders, Schlumberger shall retain a security interest in the Products, irrespective of attachment to the land or equipment of Customer or any third party, to the extent of any unpaid balance of the purchase price therefor, and Schlumberger may use all reasonable efforts to retain and/or obtain possession of such Products until such unpaid balance has been received in full and accepted by Schlumberger.

INDEMNITIES

- Personnel and Property

 1. SCHLUMBERGER SHALL BE RESPONSIBLE FOR AND HEREBY AGREES TO WAIVE, RELEASE, PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS CUSTOMER GROUP FROM AND AGAINST ANY AND ALL CLAIMS ARISING OUT OF OR IN CONNECTION WITH DAMAGE TO OR LOSS OR DESTRUCTION
- OUT OF OR IN CONNECTION WITH DAMAGE TO OR LOSS OR DESTRUCTION OF PROPERTY OF OR THE PERSONAL INJURY, ILLNESS OR DEATH OF ANY MEMBER OF SCHLUMBERGER GROUP ARISING OUT OF OR IN CONNECTION WITH THE CONTRACT AND/OR THE WORK PROVIDED HEREUNDER. CUSTOMER SHALL BE RESPONSIBLE FOR AND HEREBY AGREES TO WAIVE, RELEASE, PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS SCHLUMBERGER GROUP FROM AND AGAINST ANY AND ALL CLAIMS ARISING OUT OF OR IN CONNECTION WITH DAMAGE TO OR LOSS OR DESTRUCTION OF PROPERTY OF OR THE PERSONAL INJURY, ILLNESS OR DEATH OF ANY MEMBER OF CUSTOMER GROUP ARISING OUT OF OR IN CONNECTION WITH THE CONTRACT AND/OR THE WORK PROVIDED HEREUNDER.
- DESTRUCTION OF PROMERTY OF THE PERSONAL TMUIRY, ILLNESS OR DEATH OF ANY MEMBER OF CUSTOMER GROUP ARISING OUT OF OR IN DEATH OF ANY MEMBER OF CUSTOMER GROUP ARISING OUT OF OR IN HEROUNDER.

 SASCIAL INSEMBLY, NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, CUSTOMER, ASSIMES ALL LIABILITY FOR AND AGREES TO WAIVE, RELEASE, PROTECT, DEFEND, INDENNIEY, AND HOLD HARMLESS SCHLUMBERGER GROUP FROM AND AGAINST ALL CLAIMS BROUGHT BY OR ON BEHALF OF ANY MEMBERS OF CUSTOMER GROUP, SCHLUMBERGER GROUP OR ANY THIRD PARTY ARISING OUT OF OR IN CONNECTION HEREWITH FOR PROPERTY DAMAGE, PERSONAL INJURY, ILLNESS, DEATH OR LOSS THAT RESULTS FROM: (1) FIRE, EXPLOSION, SEEPAGE, BLOW-OUT, CRATERING, PRESSURE CONTROL OPERATIONS, TNOUCED SEISMICITY EVENTS, WILD-WELL ON WORK PERFORMED TO CONTROL A WILD-WELL INCLUDING, BUT NOT LIMITED TO: DAMAGE TO, LOSS OF, DESTRUCTION AND/OR REPLACEMENT OF, OR RELEASE OR ESCAPE OF SUBSTANCES FROM, ANY PROPERTY, EQUIPMENT, DRILLING RIGUINTY/VESSEL/PLATFORM OR OTHER FIXED OR FLOATING STRUCTURE, INCLUDING OIL/GAS PRODUCTION FACILITIES OR PIPELINES, AT OR ABOUND A SITE (INCLUDING ANY DOWNTIME, REMEDIATION, OR RECOVERY TIME); (II) POLLUTION, AND/OR CONTAMINATION EMANATING FROM ANY AND ALL WELLS, WELL BORES AND/OR RESERVOIRS OR RESULTING FROM FRACTURING SERVICES OR ANY WORK, OR RADIATION DAMAGE (INCLUDING ENVIRONMENTAL POLLUTION, CONTAMINATION OR DAMAGE) RESULTING FROM FRACTURING SERVICES OR ANY WORK, OR RADIATION DAMAGE (INCLUDING ENVIRONMENTAL POLLUTION, CONTAMINATION OR DAMAGE OF THE LAND OR, IN THE EVENT OF CONTAMINATION ORIGINATING ABOVE THE SURFACE OF THE LAND OR, IN THE EVENT OF CONTAMINATION ORIGINATING FROM SCHLUMBERGER GROUP'S RADIOACTIVE TOOLS OR EQUIPMENT WHILE BELOW THE SURFACE OF THE LAND OR, IN THE EVENT OF CONTAMINATION ORIGINATING ABOVE THE SURFACE OF THE LAND OR, IN THE EVENT OF CONTAMINATION ORIGINATION ORIGINATION OR CONTAMINATION, CAUSED BY CUSTOMER GROUP; AND POLLUTION OR CONTROL OF ANY MEMBER OF THE CUSTOMER GROUP AND FALLED OF THE MEMBERS OF THE CUSTOMER OF THE LAND OR THE PROPERTY AND P
- DAMAGE.

 APPLICATION OF INDEMNITIES. THE ASSUMPTION OF LIABILITY AND INDEMNITIES IN SECTIONS 9.3 AND 9.5 ABOVE SHALL APPLY TO ANY INJURY, ILLNESS, DEATH OR CLAIM ARISING OUT OF OR IN CONNECTION WITH THE CONTRACT AND/OR THE WORK PROVIDED HEREUNDER, WITHOUT REGARD TO THE CAUSE(S) THEREOF INCLUDING, WITHOUT LIMITATION, UNSEAWORTHINESS, STRICT LIABILITY, ULTRAHAZAROOUS ACTIVITY, BREACH OF EXPRESS OR IMPLIED WARRANTY, IMPERFECTION OF MATERIAL, DEFECT OR FAILURE OF EQUIPMENT, DEFECT OR "RUIN" OR OTHER CONDITION OF PREMISES, INCLUDING ANY CONDITIONS THAT PRE-EXIST THESE GENERAL TREMS AND CONDITIONS OR THE CONTRACT, OR THE SOLE, JOINT, ACTIVE, PASSIVE, GROSS OR CONCURRENT NEGLIGENCE, STRICT LIABILITY, BREACH OF CONTRACT OR DUTY, OR OTHER FAULT OF ANY MEMBER OF EITHER PARTY'S GROUP.

 ANTI-INDEMNITY AND THE SOLE, JOINT, ACTIVE, PASSIVE, GROSS OR CONCURRENT NEGLIGENCE, STRICT LIABILITY, BREACH OF CONTRACT OR DUTY, OR OTHER FAULT OF ANY MEMBER OF EITHER PARTY'S GROUP.

 ANTI-INDEMNITY AND THE SOLE, JOINT, ACTIVE, PASSIVE, GROSS OR CONCURRENT NEGLIGENCE, STRICT LIABILITY, BREACH OF CONTRACT OR DUTY, OR OTHER FAULT OF ANY MEMBER OF EITHER PARTY'S GROUP.

 ANTI-INDEMNITY AND THE SOLE, JOINT, ACTIVE, PASSIVE, GROSS, OR CONCURRENT NEGLIGENCE, STRICT LIABILITY, BREACH OF CONTRACT OR DUTY, OR OTHER FAULT OF ANY MEMBER OF EITHER PARTY'S GROUP.

 ANTI-INDEMNITY AND THE CONTRACT OR DUTY, OR OTHER THE PARTY'S GROUP.

 ANTI-INDEMNITY AND THE CONTRACT OR DUTY. OR OTHER THE PARTY'S GROUP.

 ANTI-INDEMNITY AND THE CONTRACT OR DUTY. OR OTHER CONTRACT, OR OR OTHER
- the extent, necessary to be in compliance with such applicable law.

INCIDENTAL OR CONSEQUENTIAL DAMAGES.
IT IS EXPRESSLY AGREED THAT THE SCHLUMBERGER GROUP SHALL NOT BE LIABLE TO THE CUSTOMER GROUP FOR ANY PUNITIVE, INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SPECIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, ANY LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF USE, LOSS OR DEFERRAL OF PRODUCTION, LOSS OF RIG TIME, LOSS OF DATA OR SAMPLES, OR LOSS RESULTING FROM DELAY, WHETHER

17.

DIRECT OR INDIRECT, SUFFERED BY CUSTOMER GROUP, REGARDLESS OF THE SOLE, JOINT, ACTIVE, PASSIVE, GROSS OR CONCURRENT NEGLIGENCE, STRICT LIABILITY, BREACH OF CONTRACT OR DUTY, OR OTHER FAULT OF ANY MEMBER OF SCHLUMBERGER GROUP. CUSTOMER SHALL WAIVE, RELEASE, PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS SCHLUMBERGER GROUP FROM AND AGAINST ANY AND ALL CLAIMS IN VIOLATION OF THIS SECTION 10.

- INSURANCE. Each party, as indemnitor, agrees to support the indemnity obligations it assumes under these General Terms and Conditions, by obtaining at its own cost, adequate insurance for the benefit of the other party and its Group as indemnitees, with contractual indemnity endorsements. To the extent each party assumes liability hereunder, such insurance shall waive subrogation against the indemnified Group and its insurers and name the indemnified Group as additional insured(s) and loss payee, but only to the extent of liabilities assumed herein by the indemnified Group. Customer shall not self-insure without the written consent of Schlumberger. Notwithstanding the above, to the extent, and only to the extent, that the Texas Olifield Anti-Indemnity Act (TOAIA) applies to these General Terms and Conditions, the Contract or the Work, and would render void, unenforceable, or void any obligations hereunder, including those set forth in Section 9 above, each party agrees to carry supporting insurance in equal amounts of the types and in the minimum amounts required by the TOAIA. Where a party's insurance is deficient or unavailable for any reason, then such party agrees and shall be deemed to have approved self-funded or self-insurance. It is the intention of the parties hereto that the party to whom indemnity is owned hereunder will receive the benefit of such indemnity regardless of events that may happen, which could affect the insurance required to be obtained by the indemnifying party, after the Contract is entered into by Schlumberger and Customer. INSURANCE. Each party, as indemnitor, agrees to support the indemnity obligations it assumes
- **LIMITATION OF LIABILITY.** Notwithstanding anything to the contrary herein, except as provided under section 9,a,1 above, Schlumberger's liability arising from or in connection with the Contract (whether for indemnity, breach of contract or duty, negligence (whether sole, joint, active, passive, gross or concurrent), strict liability or otherwise) shall not in any circumstances exceed the full value of the consideration owed to Schlumberger under the Contract. 12.
- EMPLOYEE SOLICITATION. Except with the prior written consent of Schlumberger. Customer shall not directly, indirectly or through third parties solicit, recruit or induce any Schlumberger employee, consultant or representative to leave, terminate or otherwise end his/her association with Schlumberger in order to become an employee, consultant or representative of Customer Group until at least one (1) year has elapsed from Customer's receipt of the final invoice for the
- INTELLECTUAL PROPERTY. Schlumberger owns all rights to the proprietary intellectual property embodied in its Work or which are created in the course of providing such Work to Customer. Schlumberger does not transfer any ownership rights in such intellectual property to Customer and Customer shall not reverse engineer or cause any Schlumberger property or Products to be reverse engineered without Schlumberger's express written consent. Schlumberger will be liable for intellectual property infringement claims arising out of Customer's normal use of Schlumberger's Work but will not be liable for infringement that arises: (i) out of Customer's use of Schlumberger Work in combination with work, products or services not Customer's use of Schlumberger Work absensepcially modified, designed and/or manufactured to meet Customer's specifications; (iii) out of unauthorized additions or modifications to Schlumberger Work; or (iv) where Customer's use of Schlumberger Work does not correspond to Schlumberger published standards or specifications. Any Claim for intellectual property infringement shall be brought to Schlumberger in writing within ten (10) calendar days of service on Customer or this indemnity shall be void.

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- MISCELLANEOUS.

 a. Orders: Schlumberger reserves the right to accept or reject any Order issued by Customer or any request for Work under a previously agreed Order.

 b. Force Maleure: Schlumberger shall not be liable for any delay or non-performance due to governmental regulation, labor disputes, hostile action, weather, fire, acts of God or any other causes beyond the reasonable control of Schlumberger.

 Governing Law: If Work is furnished offshore or on navigable waters, General Maritime laws shall govern the Contract; in those instances where the General Maritime Law does not apply, the laws of the State of Texas shall apply and govern the validity, interpretation, and performance of the Contract.

 d. Severability: Should any clause, sentence, or part of these General Terms and Conditions be held invalid, such holding shall not invalidate the remainder, and the General Terms and Conditions shall be interpreted as if the invalid clause, sentence, or part has been modified or omitted, if necessary, as required to conform to the jurisdiction purporting to limit such provision.
- Compliance with laws: Customer and Schlumberger respectively agree to comply with all laws, statutes, codes, rules, and regulations, which are now or may become applicable to operations covered by these General Terms and Conditions or arising out of the performance of the Work.
- **GENERAL COMMERCIAL CONDITIONS.** Commercial conditions, prices and technical specifications for the Work shall be documented in an Order. Unless otherwise set forth in the relevant Order or otherwise agreed to in writing by Schlumberger, the following commercial conditions shall apply: 16.

- Product Sales Are Final: Orders placed by Customer and accepted by Schlumberger can only be canceled with Schlumberger's written consent.

 Return of Rentals: Rentals must meet the specifications set forth in the Order for return at the end of the rental period, and Schlumberger may verify compliance at the time of return to Schlumberger's designated facility. If Rentals do not meet the specifications at the time of return, they shall, at Schlumberger's sole discretion, be sold to Customer AS-IS, WHERE IS AND WITHOUT WARRANTY, at then-current rates for sale of the same, and
- IS, WHERE IS AND WITHOUT WARRANTY, at then-current rates for sale of the same, and will be returned to Customer at Customer's cost. Any waste faund in Rentals upon return to Schlumberger will be returned to Customer or disposed of at Customer's cost. Buy-Back of Fluids: Where buy-back of Fluids is agreed, buy-back is conditioned on Fluids meeting the minimum specifications upon return to Schlumberger's designated facility. Buy-back is also subject to space availability at Schlumberger's designated facility. Fluids not meeting the minimum specifications will be returned to Customer at Customer's cost. Pricing Changes: Schlumberger has the right to revise pricing applicable to the Work at any time, including without limitation (i) whenever Schlumberger determines that market conditions support such revision; and (II) whenever Schlumberger determines it has been impacted by an increase in the cost of providing products and/or services, including commodities, trucking, labor, materials and/or ancillary products, materials or services related thereto (as well as associated taxes and tariffs), regardless of variation from any pre-job quotes, orders, estimates or the like that may have been submitted by Schlumberger. Such revisions may be adjusted post-job in accordance with the actual cost.
- Pricing Exclusions: Quoted prices do not include any of the following items, which may be Pricing Exclusions: Quoted prices do not include any of the following items, which may be charged as determined by Schlumberger for a given scope of work, and shall not be considered an exhaustive list: (i) mobilization and demobilization fees; (ii) stand-by (or crew and equipment) fees and demurage (incurred by Schlumberger Group), which shall apply in any and all circumstances other than when due to the sole fault of Schlumberger; (iii) third party reimbursable fee of 20% (or as may otherwise be specified in Schlumberger's applicable price list); (iv) fuel surcharges (as may be specified in Schlumberger's applicable price list and subject to further adjustment based on the US Energy Information Administration (EIA) for US Retail On-Highway Diesel) and transportation/mileage fees; and (v) cancellation fees, return/restocking fees and buy-back fees.
- transportation mines see, and transportation makes and new technology items that are not specifically included in the work scope described in the Order shall be quoted
- EXPORT COMPLIANCE. Customer is advised that Work provided under the Contract is subject to the U.S. Export Administration Regulations, and diversion contrary to U.S. laws and regulations is prohibited. Customer agrees not to directly or indirectly export, import, or transmit the Work to any country or end user, or for any end use, that is prohibited by any applicable U.S. law or regulation (including without limitation, to those countries, from time to time, subject to embargo by the U.S. government). Additionally, Customer agrees not to directly or indirectly export, import, transmit, or use the Work contrary to the laws or regulations of any other governmental entity that has jurisdiction over such export, import, transmission, or use. Customer represents and warrants that neither the United States Bureau of Industry and Security nor any other governmental agency has suspended, revoked, or denied Customer's export privileges. Customer agrees not to use or transfer the Work for any use Customer's export privileges. Customer agrees not to use or transfer the Work for any use relating to nuclear, chemical, or biological weapons, or missile technology, unless authorized by the U.S. government by regulation or specific written license.
- PUBLICITY. Unless required by applicable laws, rules or regulations, neither party shall, or otherwise permit or cause any member of its Group to, issue or publish any press releases or make any public statements or publicize any information with respect to (I) the contents of these General Terms and Conditions, (ii) the Work contemplated to be performed under the Contract, and/or (iii) any transactions or occurrences arising as a result of the Work, without the prior written approval of the other party. Furthermore, the parties agree to confer with each other prior to any publication of any such information and to set forth such agreement in a separate writing.
- CONFIDENTIALITY. Customer agrees to hold in strict confidence all information provided by Schlumberger Group to Customer, all of which is Schlumberger confidential information, Customer will not disclose such confidential information to any third party without written authorization from Schlumberger, or except as required by law or legal process.
- SCHLUMBERGER ENTITIES. In the event that the parties enter into an Order subject to these General Terms and Conditions, Customer and Schlumberger agree, and it is the intent of these General Terms and Conditions, that the parties identified herein as Schlumberger shall not be jointly liable and shall only be severally liable to the extent of their respective obligations and liabilities hereunder. The specific party identified as Schlumberger in the applicable Order shall be the party responsible for the applicable Work. Each Schlumberger entity shall not be deemed a guarantor or surety with respect to the other Schlumberger entitles' obligations and liabilities. This provision shall not impair Schlumberger Group's rights under Customer's indemnity and hold harmless obligations provided herein.

Schlumberger

Schlumberger Reservoir Laboratories Project Administration Form

Project Administrators (a minimum of 2 project administrators are required)		
Name	Brian Panetta	BJ Carney
Job Title	Research Assistant Professor	VP of Geoscience
Email	Brian.panetta@mail.wvu.edu	bjcarney@nne-llc.com
Phone	(814) 574-7618	304-590-6269
Authority to modify scope of work for this project	Yes	Yes

Project / Well General Info		
Project Name	Boggess 17H	
Well API #	4706101812	
Primary Formation	Marcellus	
Field / Basin		
City / County	Morgantown / Monongalia	
State / Province	wv	
Country	USA	

Billing Information	
Cost Code / AFE / PO etc.	
Legal Billing Entity	Northeast Natural Energy LLC
Contact Name	Brooke J. Carney
Billing Address, Street	707 Virginia St East Suite 1200
City	Charlestong
State / Province / Zip	WV 25301
Country (##	USA