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Филиал «Казанский» ОАО «РОСТ БАНК» в г. Казани
к/с 30101810100000000750, БИК 049205750

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FRAMEWORK PROGRAM PROJECT*
OF THE XI ANNUAL HDD OPERATORS TRAINING SEMINAR
Kazan • 09-14th February, 2015

February, 09. Monday		
Time	Training subject	
08.00 - 09.00	Breakfast	
09.00 - 10.00	Registration. Coffee Reception.	
10.00 - 10.30	Official opening of the seminar. Introduction of the visitors and seminar lecturers. Practical arrangements concerning the training seminar schedule.	Mr.Alexander Isaakovich Breidburd, President IAS HDD, Head «Trenchless technologies» subcommittee, Head NOSTROI underground space development committee, General Director LLC «Neftegazspetsstroy» / «UNIRUS» Group, Kazan, Russia
10.30 - 12.00	Basis of the HDD technology. Introduction course: Process steps. Location systems as a structure element of the boring rig.	Mr.Viatcheslav Isaakovich Breidburd, Director LLC «Spetsstroyresurs»/ «UNIRUS» Group, Kazan, Russia
12.00 - 13.00	UNITRAK - Newest location system presentation.	Mr.Alex Murovanny President «UNIVERSAL HDD» Chicago, USA
13.00 - 14.00	Lunch	
14.00 - 16.00	Composition and arrangement of the boring rig.	Mr.Alexander Mikhailovich Semin, Technical director «Neftegazspetsstroy» / «UNIRUS» Group, Kazan, Russia
16.00 - 19.00	Preparation of the jobsite. Planning the work on trenchless construction of a pipeline using HDD technology. Major norms and specifications, regulating the work of the HDD operators. Jobsite handing in.	Mr.Azat Ablakhatovich Mirkhaleev, Head Special Projects department LLC «Neftegazspetsstroy»/ «UNIRUS», Group, Kazan, Russia
19.00 - 20.00	Dinner	
20.00 - 21.30	Section I: Club square Practical seminar: «Composition of the boring rig».	Section II: «Vasilyevski» Cafeterium IX meeting of the «Krutye buryly» club.

February, 10. Tuesday		
Time	Location equipment	
09.00 - 10.00	Breakfast	
	Training subject	Lecturer
10.00 - 12.00	Theoretical basis of positioning in HDD.	Mr.Aidar Ablakhatovich Mirkhaleev Technician LLC «Spetsstroyresurs» / «UNIRUS» Group, Kazan
12.00 - 13.00	Review of location systems by different brands.	Mr.Aidar Ablakhatovich Mirkhaleev Technician LLC «Spetsstroyresurs» / «UNIRUS» Group, Kazan
13.00 - 14.00	Cable location systems. Special aspects of choosing and exploitation. Practical experience in building installations of long mileage using MAXI and MEGA class rigs.	Mr.Aidar Ablakhatovich Mirkhaleev Technician LLC «Spetsstroyresurs» / «UNIRUS» Group, Kazan
14.00 - 15.00	Lunch	
15.00 - 17.00	Pilot boring planning.	Mr.Aidar Ablakhatovich Mirkhaleev Technician LLC «Spetsstroyresurs» / «UNIRUS» Group, Kazan
17.00 - 19.00	Practical seminar on location equipment	
	Section I: <i>The club events hall</i>	Section II: <i>Demo launch site</i>
19.00 - 20.00	Dinner	
20.00 - 22.00	Section I: «Vasilyevski» Cafeterium Individual classes: Location equipment. Mr.Klabukov A.V., Mr.Mirkhaleev A.A.	Section II: «Unics» Sport Complex Cultural and sports events (sport games).

February, 11. Wednesday		
Time	Boring fluids	
09.00 - 10.00	Breakfast	
	Training subject	Lecturers
10.00-14.00	Theoretical basis of drilling fluids appliance in HDD (Part I).	Mr.Ruslan Farmanovich Aminov , Drilling fluids Engineer LLC «Volgaspetsstroy»/ «UNIRUS» Group Kazan, Russia Mr.Aydar Rafailovich Sabitov Director LLC «Investstroysevis» Podolsk, MR, Russia
14.00 - 15.00	Lunch	

15.00 - 18.00	Theoretical basis of drilling fluids appliance in HDD (Part II). Review of drilling fluids components. Demonstration experiments. Demonstration of the mixing system operation.	Mr.Ruslan Farmanovich Aminov , Drilling fluids Engineer LLC «Volgaspetsstroy»/ «UNIRUS» Group Kazan, Russia Mr.Marar Talgatovich Khabibullin , Director LLC «Volgaspetsstroy»/ «UNIRUS» Group Kazan, Russia
18.00 - 19.00	Calculation of drilling fluids components quantity.	Mr.Ruslan Farmanovich Aminov , Drilling fluids Engineer LLC «Volgaspetsstroy»/ «UNIRUS» Group Kazan, Russia Mr.Marar Talgatovich Khabibullin , Director LLC «Volgaspetsstroy»/ «UNIRUS» Group Kazan, Russia
19.00 - 20.00	Dinner	
20.00 - 22.00	Section I: «Vasilyevski» Cafeterium Individual classes: Drilling fluids. Mr.Aminov R.F., Mr.Khabibullin M.T., Mr.Sabitov A.R.	Section II: «Unics» Sport Complex Cultural and sports events (<i>sport games</i>).

February, 12. Thursday		
Time		
09.00 - 10.00	Breakfast	
	Training subject	Lecturer
10.00 - 12.00	Technical maintenance of the boring rigs. Special aspects of exploitation during winter time.	Mr.Alexander Mikhailovich Semin , Technical director «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
12.00 - 13.00	Detailed review of the boring rig structure elements. Major units and aggregates.	Mr.Marar Talgatovich Khabibullin , Director LLC «Volgaspetsstroy»/ «UNIRUS» Group Kazan, Russia
13.00 - 14.00	Boring instruments. Special aspects of choosing and appliance in different soils.	Mr.Alexander Mikhailovich Semin , Technical director «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
14.00 - 15.00	Lunch	

15.00 - 16.00	Universal HDD boring equipment demonstration. Unihammer 4.0 demonstration.	Mr.Alexander Mikhailovich Semin, Technical director «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
16.00 - 17.00	HDD technology special aspects in construction of long mileage utilities using MAXI and MEGA class rigs.	Mr.Alexander Mikhailovich Semin, Technical director «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
17.00 - 19.00	Experience of appliance MAXI and MEGA class rigs in construction of underground crossings on the territory of Russian Federation.	Mr.Azat Ablakhatovich Mirkhaleev, Head Special Projects department LLC «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
19.00 - 20.00	Dinner	
20.00 - 22.00	Section I: «Vasilyevski» Cafeterium Individual classes: Technical maintenance and exploitation of UNIVERSAL HDD boring rigs. Mr.Semin A.M.	Секция II: Demo launch site Practical seminar: Special aspects of operating rigs of different brands. Mr.Mirkhaleev A.A.

February, 13. Friday

Time		
9.00 - 10.00	Breakfast	
	Training subject	Lecturers
10.00 - 10.30	Main principles of the Professional standart «HDD rig operator».	Mr.Ravil Raufovich Salakhov, Director of «HDD» branch of the NP «Association of Underground Constructors» Kazan, Russia
10.30 - 12.00	Professional standart «HDD rig operator». The official duties of the major specialists.	Mr.Alexander Mikhailovich Semin, Technical director «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
12.00 - 13.00	Practical recommendations on appliance of HDD equipment and technology in different conditions.	Mr.Alexander Mikhailovich Semin, Technical director «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
13.00 - 14.00	«Drill Site» program for designing the project.	Mr.Yuri Viktorovich Chernyaev, Engineering manager LLC «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
14.00 - 15.00	Lunch	
15.00 - 16.00	Safety arrangements in construction. Specification documents. Safety arrangements in HDD. Environmental arrangement and prevention of emergencies.	Mr.Yuri Viktorovich Chernyaev, Engineering manager LLC «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia

16.00 - 17.00	Basic technologies of hard to recover hydrocarbon reserves mining using HDD.	Mr.Viatcheslav Isaakovich Breidburd , Director LLC «Spetsstroyresurs»/ «UNIRUS» Group, Kazan, Russia
17.00 - 18.00	Delivery of spare parts, expendable materials: current state and development perspectives. Special aspects of ordering boring instruments, spare parts, expendable materials, drilling fluids components.	Mr.Marat Talgatovich Khabibullin , Director LLC «Vologasstroy»/ «UNIRUS» Group Kazan, Russia
18.00 - 19.00	Review of the training course for HDD operators.	Lecturers
19.00 - 20.00	Dinner	
20.00 - 22.00	Section I: Self-tuition.	Section II: «Unics» Sport Complex Cultural and sports events (sport games).

February, 14. Saturday	
Время	
09.00 - 10.00	Breakfast
10.00 - 13.00	Attestation
13.00 - 14.00	Lunch
14.00 - 16.00	Trip to Raifsky monastery.
16.00 - 18.00	Delivery of qualification certificates
19.00 - 23.00	Summarizing the training seminar work. Gala dinner in the restaurant of the «Vasilyevski» holiday center.

****The Executive management of the IAS HDD Training Center continues its work on inviting horizontal directional drilling (HDD) specialists from Russia and abroad to participate in the seminar as lecturers.***