

Report: Russian Oilfield Services 2009

180+ pages and circa 230 graphs and tables

Report price: \$3500 (USD)

The report presents detailed breakdown of Russian OFS market and key players. Author is one of the leading experts in oilfield services with proven track record of successful forecasting of upstream activity. The report provides invaluable insight and data intensity. All key data in graphs is numerical. 2008/2009 crisis discussion is added. Data used in the report is most recent; inclusive of March 2009 data where available (drilling/production). Author is available for detailed discussions and data clarifications.

Comments: The report contains financial information, that will be unavailable in time of report preparations for all companies. To address the issue, author will guarantee delivery of the update (preliminary August/September 2009). This will create additional value to the report user by adding up-to-date review of Russian upstream activity in the first half 2009. This update is included in the price.

*There is complementary report on **Russian Upstream 2009**. Both reports provide user with complete information on key forces driving Russian Upstream and offer forecast of its development.*

Two reports are offered for \$6000 (USD)

CONTENT

1	Brief on oilfield service market developments in 2008	13
2	Russian oilfield services market in 2002-2008.....	14
2.1	Market size estimates	14
2.2	Drilling services.....	18
2.3	Drilling fluids	19
2.4	MWD and LWD segments	20
2.5	Pressure pumping services market in Russia.....	20
2.5.1	Cementing	21
2.5.2	Hydro fracturing market	22
2.6	Wireline services market.....	23
2.6.1	Logging	23
2.6.2	Perforation services market	24
2.7	Completion services market in Russia	24
2.8	Well servicing and workover market in Russia in 2008 and in the past several years.....	25
2.8.1	Well servicing.....	26
2.8.2	Workover.....	26
2.8.3	Sidetracking market estimates	27
2.9	Seismic services market.....	27
2.10	Oilfield market in key producing regions.....	28
2.11	Market size for main groups of equipment	29
3	Forecast of physical volumes of oil field services 2009-2015.....	30
3.1	Methodology and cautionary notes	30
3.2	Crisis and its impact on dollar value of the market.....	31
3.3	Forecast of physical volumes of the market of oil field services	33
3.4	Forecast of capacities requirements.....	37

4	Oilfield services market forecast till 2015.....	42
4.1	Forecast of drilling segment development.....	46
4.2	Drilling fluids market forecast till 2015.....	47
4.3	MWD/LDW market forecast.....	48
4.4	Forecast of pressure pumping segment in Russia till 2015.....	48
4.4.1	Cementing segment forecast.....	49
4.4.2	Hydro fracturing segment forecast.....	50
4.5	Wireline services segment forecast till 2015.....	50
4.5.1	Forecast of logging services market.....	51
4.5.2	Perforation market forecast.....	51
4.6	Forecast of completion services segment in Russia till 2015.....	52
4.7	Forecast of well servicing and workover market in Russia till 2015.....	52
4.7.1	Well servicing market forecast.....	53
4.7.2	Workover market forecast.....	54
4.7.3	Sidetracking segment development forecast.....	54
4.8	Forecast of seismic services market development.....	55
4.9	Market forecast by key regions.....	56
4.10	Oil field services market growth impact on production costs.....	57
5	Review of Key Oilfield Capacities in Russia.....	58
5.1	Estimates of the number of drill rigs fleet and number of active rigs.....	58
5.2	Workover rigs fleet estimates and workover crew-hour costs.....	60
5.3	Geophysical crews and key companies owning assets.....	63
6	Analysis of the competitive environment.....	65
6.1	The competitive environment in the oil field services sector in Russia.....	65
6.2	Oilfield service competitive segments definitions.....	65
7	Oil companies' service divisions.....	71
7.1	ОАО Surgutneftegas.....	71
7.2	Rosneft.....	74
7.2.1	ООО RN-Bureniye.....	74
7.2.2	ZAO Udmurtneft-burenie.....	76
7.2.3	RN Service.....	76
7.2.4	Mamontovskii KRS.....	76
7.2.5	ZAO KRS.....	78
7.2.6	OАО PNO.....	78
7.3	LUKOIL.....	79
7.3.1	ООО Neftserviceholding.....	79
7.4	TNK-BP.....	81
7.4.1	ZAO Nizhneartovskburneft.....	81
7.4.2	ZAO Orenburgburneft.....	82
7.4.3	Spets UBR UVAT.....	83
7.4.4	ООО Chernogorservice (workover).....	84
7.4.5	ООО NPRS-1 (workover).....	84
7.4.6	ООО NPRS-3 (workover).....	85
7.5	Gazpromneft's Gazpromneft-Nefteservice.....	85
7.5.1	ООО Service Drilling Company (former Sibneft-Bureniye) and ООО Vyshkomontazhnoe Upravlenie.....	85
7.5.2	OАО Gazpromneft-Noyabrskneftegeophysica.....	87
7.5.3	ООО KRS-Service.....	87

7.6	Service divisions of OAO Tatneft	88
7.7	OOO Tatneft-RemService	90
7.8	OOO TNG-Group	90
7.8.1	OOO TNG-Lenburneft	91
7.9	Slavneft	92
7.9.1	OOO Megionskoye UBR	92
7.9.2	Slavneft-Obneftegazgeologiya	92
7.9.3	OAO Slavneft-Megionneftegazgeologiya	94
7.9.4	OOO MEGION-SERVICE	94
7.9.5	ZAO MeKaMineft	95
7.10	Gazprom	96
7.10.1	DOOO Burgaz.....	96
7.11	Bashneft	98
7.11.1	BurKan	99
7.11.2	Ufa UBR.....	99
7.11.3	Neftekamsk UBR	100
7.12	Russneft	100
7.12.1	OAO MPK Aganneftegazgeologiya	100
8	International and large foreign companies	102
8.1	Schlumberger Ltd	102
8.1.1	OOO SGK	104
8.1.2	OAO PetroAlliance	105
8.1.3	Samotlorskii Well Workover (ZAO SKRS).....	107
8.1.4	Schlumberger Technological Company (ESP).....	108
8.2	Halliburton	108
8.3	Baker Hughes	111
8.4	Weatherford	112
8.5	KCA Deutag Ltd. (Deutsche Tiefbohr-Aktiengesellschaft)	114
8.6	C.A.T. oil	115
8.6.1	OOO CATKoneft	118
8.7	Trican Well Service Ltd and Newco Well Service (Newco)	119
8.8	BJ Services Company	122
9	Large Russian oilfield service companies	124
9.1	Eurasia Drilling Company Limited (EDC) (formerly LUKOIL-Drilling)	125
9.2	Integra Group of Companies	127
9.2.1	ZAO Nizneartovskii KRS (acquired by Integra in May 2008).....	131
9.3	ZAO SSK	132
9.4	GEOTEK Holding	132
9.4.1	OAO Khantymansiyskgeofizika.....	133
9.4.2	OAO Sibneftegeofizika	134
9.4.3	OAO Yeniseygeofizika	135
10	Other drilling, workover and geophysical companies	137
10.1	OOO Orenburg Drilling Company	137
10.2	Usinskgeoneft	137
10.3	OOO L-Burenie	139
10.4	Rimera (Chelyabinsky Pipe Factory)	140
10.5	Tomskburneftegaz	141
10.6	OOO UK Severnaya Expeditsia	142

10.6.1	ZAO GRK Severnaya Expeditsiya	142
10.6.2	OOO Udmurtgeologiya-Buremie	142
10.6.3	OAO Neftegeologia.....	143
10.7	OOO Salymkaya Burovaya Kompania	143
10.8	OAO UPNP and KRS Samara.....	144
10.9	OAO Oil Technology Overseas (OTO).....	148
10.10	OOO URS Samara.....	149
10.11	OOO UPNS and KRS.....	150
10.12	ZAO Ermakovskii PRS	150
10.13	COMIQUEST INTERNATIONAL	150
10.14	Error! Bookmark not defined.	
10.15	OOO VR (Variegan-Remont).....	151
10.16	ZAO Samatlorneftekhimprom	151
10.17	OAO Krasnoyarskgeofizika.....	152
10.18	OAO Bashneftegeofizika	152
11	Production of key equipment in Russia	155
11.1	Drilling rig and hoist unit manufacturers	158
11.1.1	ZAO Uralmash-BO	161
11.1.2	OOO Volgograd Drilling Equipment Plant	163
11.1.3	OAO Mobile Drilling Systems	164
11.1.4	OAO Mashzavod	166
12	Major manufacturers of ESP	168
12.1	MC Borets (major share acquired by Weatherford).....	169
12.1.1	Borets	170
12.1.2	Lebedyan Machine-Building Factory (Lemaz).....	171
12.1.3	OOO Lysvaneftemash	173
12.2	OAO LIVGIDROMASH.....	173
12.3	OAO ALNAS.....	173
12.3.1	ZAO Novomet-Perm and OOO Novomet-Servis	175
13	Rod pump systems	176
13.1	Surface equipment for rod lift pumps manufactures	177
13.1.1	OAO Izhneftemash.....	178
13.1.2	Perm Oilfield Machinery Company	179
13.1.3	OAO Reduktor	180
14	Manufacturers of Christmas tree equipment for extraction of oil and gas (wellhead assemblies, shut off/control valves, etc.)	182
14.1.1	OAO Korvet	183
14.1.2	Yugokama	184
14.2	Cementing unit producers	185
14.2.1	Pervomayskhhimmash.....	185

LIST OF FIGURES AND TABLES

Figure 2-1	Oilfield services market structure by key segments in 2008	15
Table 2-2	Market shares of key segments in 2002-2008 (%).....	15
Figure 2-3	Oilfield services market dynamics in 2002-2008 (millions of US dollars)	16

Figure 2-4 Input of key segments in incremental market growth in 2008 (% of monetary value).....	16
Figure 2-5 Average annual growth in key industry segments in 2002-2004 and 2004-2008.....	17
Table 2-6 Market segments in Russia in 2002-2008 (millions)	17
Figure 2-7 Contractual land drilling market development in 2002-2008 (millions of US dollars)	18
Figure 2-8 Contractual land development drilling market development in 2002-2008 (millions of US dollars).....	19
Figure 2-9 Drilling fluids market development in 2002-2008 (millions of US dollars).....	19
Figure 2-10 MWD/LWD market development in 2002-2008 (millions of US dollars).....	20
Figure 2-11 Pressure pumping market in 2002-2008 (millions of US dollars)	21
Figure 2-12 Cementing market development in 2002-2008 (millions of US dollars).....	22
Figure 2-13 Hydro fracturing market development in 2002-2008 (millions of US dollars)	22
Figure 2-14 Wireline market in 2002-2008 (millions of US dollars).....	23
Figure 2-15 Geophysical surveys (logging) market in 2002-2008 (millions of US dollars).....	23
Figure 2-16. Perforation market development in 2002-2008 (millions of US dollars)	24
Figure 2-17 Completion services market development in 2002-2008 (millions of US dollars).....	24
Figure 2-18 Well servicing and workover market development in 2002-2008 (millions of US dollars).....	25
Figure 2-19 Well servicing market development in 2002-2008 (millions of US dollars).....	26
Figure 2-20 Well workover market development in 2002-2008 (millions of US dollars)	26
Figure 2-21 Sidetracking market estimates in 2002-2008 (millions of US dollars).....	27
Figure 2-22 Seismic market development in 2002-2008 (millions of US dollars).....	27
Figure 2-23 Regional structure of oilfield service market in 2002-2008 (%)	28
Figure 2-24 Regional structure of oilfield service market in 2002-2008 (millions USD).....	28
Figure 2-25 Apparent market shares of oilfield services equipment (mln USD)	29
Figure 3-1 Urals price, ruble exchange rate (average monthly) and apparent oilfield services costs per ton of production in 2007, 2008 and 3 month of 2009	31
Figure 3-2 Exchange rate and inflation forecast for 2009-2015 (rubles per \$ and % per annum)	32
Figure 3-3 Incremental production by key regions in millions tons (2007 base year)	33
Figure 3-4 Estimated decline rate of the base production in key regions in 2004, 2008 and 2015 (%).....	33
Figure 3-5 Forecast of the number and daily flow rates of sidetracking in Russia in 2009-2015	34
Figure 3-6 Forecast of the incremental production from artificial lift optimization and well bore stimulation in 2008-2015 ('000 tons).....	34
Figure 3-7 Forecast of incremental production from development drilling ('000 tons a year) and the average flow rate of new wells (tons per day)	35
Figure 3-8 Forecast of the number of well-servicing and workover operations and producing well stock growth in 2008-2015.....	35
Figure 3-9 Forecast of incremental production from various sources in 2008-2015 (millions tons)	36
Figure 3-10 Forecasts of drill footage and production wells completions in Russia in 2008-2015	36
Figure 3-11 Forecast of development drilling in key production regions in 2008-2015	37
Figure 3-12 Forecast of the growth in the number of drill crews in 2008-2015	37
Figure 3-13 Forecast of drilling rigs stock in 2008-2015.....	38
Figure 3-14 Forecast of drill rigs procurement in 2008-2015	39
Figure 3-15 Forecast of the growth in well-servicing and workover crews in 2008-2015.....	39
Figure 3-16 Forecast of the needs for workover rigs in 2008-2015	40
Figure 3-17 Forecast of producing wells with ESP Systems and ESP Systems sales in 2008-2015.....	40
Figure 3-18 Forecast of need in wellhead and Christmas tree fittings in 2009-2015.....	41

Figure 4-1 Forecasted dynamics of the oil field services market segments in Russia in 2008-2015 (nominal \$ millions)	42
Figure 4-2 Price indices to 2008 levels in rubles and US dollars for local services and equipment (2008=100)	43
Figure 4-3 Price indices to 2008 levels in rubles and US dollars for “dollar denominated” services and equipment (2008=100).....	43
Figure 4-4 Market forecast for 2009-2015 denominated in rubles and dollars (billions).....	44
Figure 4-5 Incremental market by segments by 2015 (\$ bln).....	44
Figure 4-6 Annual average growth in different segments of the market in 2008-2015 in %	45
Table 4-7 Market forecasted size by key segments in Russia in 2008-2015 in mln USD.....	45
Figure 4-8 Forecasted drilling segments in Russia in 2009-2015 (millions USD).....	46
Figure 4-9 Land development drilling segment in Russia in 2009-2015 (millions USD).....	46
Figure 4-10 Forecast of drilling fluids market development in Russia in 2009-2015 (millions USD).....	47
Figure 4-11 Forecast of drilling fluids market development in Russia in 2009-2015 (millions USD).....	47
Figure 4-12 Forecasted drilling footage in horizontal drilling and sidetracking in Russia in 2008-2015	48
Figure 4-13 Forecast of pressure pumping market in Russia in 2008-2015 (millions USD)	48
Figure 4-14 Forecast of cementing segment development in Russia in 2008-2015 (millions USD)	49
Figure 4-15 Forecast of hydro fracturing market in Russia in 2008-2015 (millions USD).....	50
Figure 4-16 Wireline market in Russia in 2008-2015 (millions USD)	50
Figure 4-17 Logging market in Russia in 2008-2015 (millions USD).....	51
Figure 4-18 Forecast of perforation segment development in Russia in 2008-2015 (millions USD).....	51
Figure 4-19 Forecast of completion market in Russia in 2008-2015 (millions USD).....	52
Figure 4-20 Forecast of well service segment development in Russia in 2008-2015 (millions USD).....	53
Figure 4-21 Forecast of well service segment development in Russia in 2008-2015 (millions USD).....	53
Figure 4-22 Forecast of well workover segment development in Russia in 2008-2015 (millions USD).....	54
Figure 4-23 Forecast of sidetracking segment development in Russia in 2008-2015 (millions USD).....	54
Figure 4-24 Forecast of seismic market in Russia in 2008-2015 (millions USD).....	55
Figure 4-25 Market forecast by the major regions in 2008-2015 (billions USD)	56
Figure 4-26 Forecasted shares of the market of the major regions in 2008-2015 (%)	56
Figure 4-27 Oil field services expenses in \$ per ton of production (left hand scale) and per barrel (right hand scale) in 2008-2015.....	57
Figure 5-1 Drilling rigs fleet structure in Russia in 2008 (active, in mobilization and construction).....	58
Table 5-2 Key players in land drilling market in Russia and their capacities in 2008	59
Figure 5-3 Development drilling rigs regional distribution 2008 (active rigs actually drilling in the region)	59
Figure 5-4 Estimated number of workover rigs in Russia by region in 2001-2008 (thousand units)	60
Figure 5-5 Number of well servicing and workover crews in 2001-2008 (thousand crews)	60
Figure 5-6 Costs of one crew-hour (average well servicing/workover) by companies in 2005-2008 in \$ per hour	61

Figure 5-7 Cost of one crew-hour on workover and well servicing by companies in 2008 in \$ per hour.....	61
Figure 5-8 Apparent cost per well-servicing job in 2001-2008 (thousands).....	62
Figure 5-9 Apparent cost per workover job in 2001-2008 (thousands).....	62
Table 5-10 Seismic and logging crews by largest companies in 2008.....	63
Figure 5-11 Capacity shares of key competitors in seismic segment in 2008.....	64
Figure 5-12 Capacity shares of key competitors in logging segment in 2008.....	64
Table 6-1 Key land drilling service contractors and their shares of footage of large oil and gas companies in 2008.....	67
Figure 6-2 Key oil field service companies' market shares estimate for 2008.....	68
Table 7-1 Capacities of Surgutneftegas in 2009.....	71
Figure 7-2 Horizontal wells and average depth drilled by Surgutneftegas in 2002-2008.....	72
Figure 7-3 Hydro fracturing operations by Surgutneftegas 2002-2008 (number of operations).....	72
Figure 7-4 Apparent daily flows from hydro fracturing operations by Surgutneftegas 2004-2008 (incremental tons a day).....	73
Figure 7-5 Effectiveness of coiled tubing units use at Surgutneftegas 1999- 2004.....	73
Figure 7-6 Sidetracking operations at Surgutneftegas in 1995-2007.....	74
Figure 7-7 RN-Burenie drilling in 2006-2008 (thousand meters).....	75
Table 7-8 RN-Burenie Capacities in 2006-2008.....	75
Table 7-9 ZAO Udmurtneft-burenie capacities.....	76
Table 7-10 Condensed income statement of ZAO Udmurtneft-burenie for 2002-2007 (thousand USD).....	76
Figure 7-11 MKRS workovers in 2004-2007 before integration in RN Service (jobs).....	77
Table 7-12 Mamontovskiy KRS capacities.....	77
Table 7-13 Condensed income statement of Mamontovskiy KRS for 2003-2007 (thousand USD).....	77
Table 7-14 Condensed income statement of ZAO KRS, thousands of dollars U. S.	78
Table 7-15 Condensed income statement of OAO PNO, thousands of dollars U. S.	78
Table 7-16 Capacities of Neftserviceholding in 2008.....	79
Table 7-17 OOO Neftserviceholding companies and structure of their revenue in 2005.....	80
Table 7-18 Income statement for Neftserviceholding for 2004-2007 (thousand USD).....	80
Figure 7-19 Condensed income statement of OOO Permnefteotdacha in 2003-2007 in thousand USD.....	81
Table 7-20 Nizhnevartovskburneft capacities in 2008.....	81
Table 7-21 Condensed income statement of ZAO Nizhnevartovskburneft for 2003-2007 in thousand USD.....	82
Table 7-22 Orenburgburneft capacities in 2008.....	82
Table 7-23 Condensed income statement of Orenburgburneft for 2003-2007 (thousand USD).....	82
Table 7-24 Spets UBR Uvat capacities.....	83
Table 7-25 Condensed income statement of SpetsUBR-Uvat for 2003-2006 (thousand USD).....	83
Table 7-26 OOO Chernogorservice capacities in 2008.....	84
Table 7-27 Condensed income statement of OOO Chernogornefteservice in 2003-2007 (thousands of USD).....	84
Figure 7-28 Condensed income statement of OOO NPRS-1 in 2003-2007 in thousands of US dollars.....	84
Figure 7-29 Condensed income statement of OOO NPRS in 2003-2005 in thousands of USD.....	85
Figure 7-30 Drilling by SBK in 2005-2008.....	85
Table 7-31 Capacities of the Service Drilling Company in 2008.....	86

Table 7-32 Condensed income statement of OOO Service Drilling Company in 2003-2007 in thousands USD	86
Table 7-33 Capacities of the Vyshkomontazhnoe Upravlenie (rig assembly) in 2008	87
Table 7-34 Capacities of OAO Gazpromneft-Noyabrskneftegeophysica in 2008	87
Table 7-35 Capacities of OOO KRS-Service	87
Figure 7-36 Condensed income statement of OOO KRS Service in 2003-2007 in thousands USD	87
Table 7-37 Drilling and wells completion statistic for Tatneft-burenie in 2005-2008	88
Table 7-38 Hydro fracturing and coiled tubing operations by Tatneft in 2005-2008.....	89
Table 7-39 Production capacities of Tatneft in the beginning of 2008	89
Table 7-40 Condensed income statement of Tatneft-burenie for 2002-2007 (thousand USD).....	89
Table 7-41 Production capacities of Tatneft-RemService end of 2008 (transferred from Tatneft).....	90
Table 7-42 Drilling rigs and crews OOO TNG-Lenburneft	91
Table 7-43 Condensed income statement of TNG - Lenburneft for 2007 (thousand USD).....	91
Table 7-44 Megionskoe UBR capacities.....	92
Table 7-45 Condensed income statement of OOO Megionskoe UBR for 2004-2007 (thousand USD).....	92
Table 7-46 Condensed income statement of OAO Slavneft-Obneftegazogeologiya for 2004-20067 (thousand USD).....	93
Figure 7-47 Revenue of OAO Slavneft-Obneftegazogeologiya attributed to exploration drilling in 2004-2007 (thousand USD).....	93
Table 7-48 Operating data of OAO Slavneft-Megioneftegazgeologiya for 2005- 2007	94
Table 7-49 OAO Slavneft-Megioneftegazgeologiya capacities.....	94
Table 7-50 Condensed income statement of OAO Slavneft-Megioneftegazgeologiya for 2004-2007 (thousand USD).....	94
Table 7-51 Apparent production activities of OOO Megion Service in 2004-2008	95
Table 7-52 Condensed income statement of OOO Megion-Service in 2004-2007 in thousands of USD	95
Table 7-53 Main capacities of MeKaMineft as of 1997.....	95
Table 7-54 Condensed income statement of ZAO MeKaMineft for 2003-2007 (thousand USD).....	95
Table 7-55 Drilling by Burgaz in 2000-2008	96
Table 7-56 Capacities of DOOO Burgaz.....	97
Table 7-57 Number of drilling crews and footage by Burgaz subsidiaries in 2008	97
Table 7-58 Condensed income statement of DOO Burgaz for 2002-2007 in thousand USD	97
Figure 7-59 Apparent cost per meter of drilling by DOO Burgaz for 2002-2007 in USD per meter and YOY in %	97
Table 7-60 Capacities used in oilfield service operations for Bashneft in 2008	98
Table 7-61 Main oil field services capacities of BurKan in 2008	99
Table 7-62 Condensed income statement of BurKan for 2002-2007	99
Table 7-63 Capacities of Ufa UBR	100
Table 7-64 Capacities of Neftekamsk UBR	100
Table 7-65 Condensed income statement of Neftekamsk UBR for 2003-2007 in thousands USD	100
Table 7-66 Drilling footage of OAO Aganeftegazgeologiya for 2002 - 2007 (thousand meters).....	100
Table 7-67 OAO Aganeftegazgeologiya capacities	101
Table 7-68 Condensed income statement of OAO Aganeftegazgeologiya for 2004-2007 (thousand USD).....	101
Figure 8-1 Large oilfield services companies' share in "International providers segment"	102
Figure 8-2 Estimated Schlumberger revenue 1999-2008 (billions US)	103

Figure 8-3 Estimated Schlumberger revenue breakdown of by key assets acquired in Russia in 2008.....	103
Table 8-4 Schlumberger capacities for 2008.....	104
Table 8-5 OOO SGK assets.....	104
Table 8-6 Drilling by SGK for 2006-2008 (thousand meters)	105
Table 8-7 Capacities of the PetroAlliance company	106
Figure 8-8 Number of sidetracking operations performed by PetroAlliance in 2002-2007	106
Figure 8-9 Additional oil recovery from repairs completed by CJSC "Samotlorskii Well workover" in 2002-2006 in thousands of tons.....	107
Figure 8-10 Condensed income statement of ZAO CKRS thousands of dollars U. S.	108
Figure 8-11 Condensed income statement of Schlumberger Technological Company in 2005-2007 in thousands USD	108
Figure 8-12 Halliburton oilfield revenues by two segments in 2006-2008 (millions USD)	108
Figure 8-13 Halliburton oilfield revenues by regions in 2006-2008 (million USD).....	109
Figure 8-14 Approximate revenue of Halliburton in Russia in 2004-2008 (mln USD)	109
Table 8-15 Estimated capacities of Halliburton	110
Figure 8-16 Baker Hughes revenues in Russia and Caspian region in 2002-2008 (millions USD).....	111
Figure 8-17 Weatherford jobs by key type in 2007-2008 (excluding ESP and equipment supplies businesses).....	113
Figure 8-18 Weatherford estimated revenue from oilfield services in 2007-2008 (excluding ESP business).....	113
Table 8-19 KCA Deutag drilling rigs location in 2008.....	115
Table 8-20 KCA Deutag drilling rigs technical description.....	115
Figure 8-21 Condensed income statement of C.A.T. Oil in 2005-2008 in millions EURO.....	116
Figure 8-22 Key capacities of C.A.T. Oil in 2005-2008 in fracturing fleets/sidetracking rigs	116
Figure 8-23 C.A.T. Oil sidetracking revenue in 2007-2008 (millions EUR)	117
Figure 8-24 C.A.T. Oil customers' shares in 2008 (%).....	117
Table 8-25 Capacities of CATKoneft.....	118
Figure 8-26 Hydraulic fracturing performed by CATkoneft for main clients in 1991-2008 (number of operations)	119
Table 8-27 Condensed income statement of CATkoneft for 2002-2007 (thousand USD)	119
Figure 8-28 Revenue of Trican Well Service Ltd 2006-2008 (millions CAD).....	119
Figure 8-29 Performed operations by Newco Well Service in 2004-2008 (jobs)	120
Table 8-30 Main capacities of Newco Well Service as of 2007.....	121
Figure 8-31 Condensed income statement of NewCo well services for 2005-2008 (thousand CAD)	121
Table 8-32 Main capacities of BJ Service as of 2006	122
Figure 8-33 BJ Services revenues and assumed Russian share in 2006-2008 (mln USD).....	122
Figure 8-34 BJ Services Russian revenues growth/decline in 2003-2008 (%).....	123
Figure 9-1 Revenue of large Russian oilfield services in 2008.....	124
Figure 9-2 EDC crews in 2005-2008.....	125
Figure 9-3 Drill footage of EDC in 2005-2008 (thousand meters)	125
Table 9-4 Capacities of the EDC in 2008	126
Table 9-5 EDC's revenue and net income in 2006-2008 (thousand USD)	126
Table 9-6 EDC's Revenue structure for 2005-2008 (millions USD)	126
Figure 9-7 EDC drilling estimates for key customers in 2006-2008 (thousand meters).....	127
Table 9-8 Condensed income statement of Integra in 2006-2008 (mln USD)	128

Figure 9-9 Segments revenue of Integra in 2006-2008 (millions USD)	128
Table 9-10 Operational results for Integra for 2006 -2008	128
Table 9-11 Regional distribution of assets in Integra in 2008.....	129
Figure 9-12 Customer client base of Integra in Drilling, I PM and etc in the beginning of 2008.....	129
Figure 9-13 Customer client base of Integra in Seismic and Logging in the beginning of 2008.....	130
Figure 9-14 Customer client base of Integra in manufacturing in the beginning of 2008.....	130
Figure 9-15 Condensed income statement of Nizhnevartovskiy KRS in 2003-2007 (thousand USD).....	131
Table 9-16 Capacities SSK in 2008.....	132
Table 9-17 Key capacities and geographical locations of GEOTEK Holding in 2008	133
Table 9-18 Condensed income statement of OAO Khantyngyyskgeofizika in 2004-2007 in thousands USD	134
Table 9-19 Main financial indices of OAO Sibneftegeofizika in 2004-2007, thousands USD.....	135
Table 9-20 Main financial indices of OAO Yeniseygeofizika in 2004-2007 in thousands USD.....	136
Table 10-1 Orenburg drilling company capacities	137
Table 10-2 Condensed income statement of OOO Orenburg Drilling Company for 2004-2007 (thousand USD).....	137
Figure 10-3 Exploration drilling of Usinskgeoneft for 2003-2008 (thousand meters).....	138
Table 10-4 Condensed income statement of Usinskgeoneft for 2003-2007 (thousand USD).....	139
Table 10-5 Capacities of OOO L-Burenie.....	140
Table 10-6 Condensed income statement of ChTPZ for 2004-2007 (thousand USD).....	140
Table 10-7 Condensed income statement of Taimyrnefterazvedka for 2003-2007 (thousand USD).....	140
Table 10-8 Condensed income statement of Yuganskneftegasgeofizika for 2005-2007 (thousand USD).....	140
Table 10-9 Condensed income statement of Tomskneftegasgeofizika for 2005-2007 (thousand USD).....	141
Table 10-10 OOO Tomskburneftegaz capacities	141
Table 10-11 Condensed income statement of OOO Tomskburneftegaz for 2002-2007 (thousand USD).....	141
Table 10-12 ZAO GRK Severnaya Expeditsiya capacities.....	142
Table 10-13 Condensed income statement of ZAO GRK Severnaya Expeditsiya for 2005-2007 (thousand USD).....	142
Table 10-14 OOO Udmurtgeologia-Burenie capacities	143
Table 10-15 Condensed income statement of OOO Udmurtgeologia-Burenie for 2005-2007 (thousand USD).....	143
Table 10-16 OAO Neftegeologia capacities.....	143
Table 10-17 Income statement for Nefteserviceholding for 2004-2007 (thousand USD)	143
Table 10-18 Main structural units of OAO UPNP and KRS.....	144
Figure 10-19 Number of and types of well workovers executed by OAO UPNP and KRS Samara in the period from 1998 to 2006.....	144
Figure 10-20 Additional oil recovery from repaired by OAO UPNP and KRS Samara wells by type of operations from 1998 to 2006, thousands of tons.....	145
Figure 10-21 Additional oil recovery from workovers by OAO UPNP and KRS Samara in 1998-2006 in thousands of tons.....	145
Figure 10-22 Number of sidetracking and workover jobs by OAO UPNP and KRS Samara in 2002-2008.....	146
Figure 10-23 Productive crew time in OAO UPNP and KRS Samara.....	147

Figure 10-24 Shift-working coefficient.....	147
Figure 10-25 Planned volume of operations by OAO UPNP and KRS Samara in 2008	147
Figure 10-26 Condensed income statement of OAO UPNP and KRS Samara	148
Table 10-27 Main oil field services capacities of the OTO company in 2008	148
Figure 10-28 Oil Technology Overseas Sidetracking in 2004-2008* (number of operations)	148
Figure 10-29 Condensed income statement of OOO OTO for 2002-2006 in thousand USD	149
Figure 10-30 Condensed income statement of in 2003-2007 in thousand USD	149
Figure 10-31 Condensed income statement of in 2003-2006 in thousand USD	150
Figure 10-32 Condensed income statement of ZAO Ermakovsky PRS in 2003-2007 in thousand USD	150
Table 10-33 Condensed income statement of OOO KomiKuestInternational in 2003-2007 in thousand USD.....	151
Table 10-34 Condensed income statement of OOO VR in 2007 in thousand USD.....	151
Figure 10-35 ZAO Samatlorneftekhimprom workover crews regional distribution	151
Figure 10-36 Condensed income statement of ZAO Samatlorneftekhimprom in 2003-2007 in thousand USD.....	152
Table 10-37 Condensed income statement of OAO Krasnoyarskgeofizika in 2003-2007 in thousands USD	152
Table 10-38 Condensed income statement of OAO Bashneftegeofizika in 2004-2007 in thousands USD	153
Figure 11-1 Production of drilling rigs and well workover/well servicing units in 2000-2007 (units).....	155
Figure 11-2 Production of cementing units in 2001-2007 (units)	155
Figure 11-3 Production of wellhead and Christmas tree fittings in 2000-2007 (units)	156
Figure 11-4 Production of deep well sucker-rod pumps and ESP Systems in Russia in 2001-2007 (units).....	156
Figure 11-5 Production of rod pump surface units in Russia in 2001-2007 (units)	157
Figure 11-6 Production of well logging aggregates in 2002-2006 (units).....	158
Figure 11-7 Rigs fleet estimates in 2006 and 2008	158
Figure 11-8 Breakdown of sourcing of additional rigs supplied to the market between 2006 and 2008	159
Figure 11-9 Supply of local drilling rigs in 2001-2007 (units)	159
Figure 11-10 Production of workover rigs as per Rosstat statistics for 2001-2006 (units).....	160
Figure 11-11 Integra revenue from equipment manufacturing and ZAO Uralmash in 2006-2008.....	161
Figure 11-12 Production of drilling rigs by Uralmash in 2001-2008.....	161
Table 11-13 Condensed income statement of the Uralmash Burovoe Oborudovania in 2005-2007	162
Figure 11-14 Production of drilling rigs by Volgograd Drilling Equipment Plant in 2001-2007	163
Table 11-15 Condensed income statement of the Volgograd Plant of Drilling Equipment in 2002-2007	163
Figure 11-16 Production of workover rigs by Kungur Machine-Building Equipment Plant in 2001-2007 (units).....	164
Table 11-17 Condensed income statement of Kungur Machine Building Plant for 2002-2007 (thousand USD).....	164
Table 11-18 Production of workover rigs by Ishimbai machine building plant in 2001-2007 (units).....	165
Table 11-19 Condensed income statement Ishimbai machine building plant for 2002-2008	165
Table 11-20 Production of workover rigs by OAO Mashzavod in 2001-2007 (units).....	166

Table 11-21 OAO Mashzavod revenues and net income in 2001-2007 (millions of dollars).....	166
Figure 12-1 ESP production by major manufacturers in the Russian Federation in 2001-2007	168
Figure 12-2 Production wells equipped with ESP by region in 2001-2008 ('000)	168
Figure 12-3 Borets key production facilities share in income in 2007	169
Figure 12-4 Borets key product (ESP) production dynamics in 2001-2007	171
Table 12-5 Condensed income statement of Borets for 2001-2007 in thousand USD.....	171
Figure 12-6 Production of centrifugal electric submersible pumps by Lemaz in 2001-2007 (units).....	172
Table 12-7 Condensed income statement of Lemaz for 2002-2007 (thousand USD).....	172
Figure 12-8 Production of centrifugal electric submersible pumps by Lysvaneftemash in 2006- 2007 (units).....	173
Table 12-9 Condensed income statement of LIVGIDROMASH for 2003- 2007 (thousand USD).....	173
Figure 12-10 Production of ESPs by ALNAS in 2001-2007 (units).....	174
Table 12-11 Condensed income statement of ALNAS for 2003-2007 (thousand USD)	174
Figure 13-1 Rod sucker pumps production in Russia for 2001-2007 (units)	176
Figure 13-2 Rod lift pump equipped wells in key regions of Russia in 2002-2008 ('000).....	176
Figure 13-3 Surface equipment for rod pumps production by key manufacturers in Russia for 2001-2006 (units)	177
Table 13-4 Rod lift pumps production at Izhneftemash in 2002-2007.....	178
Table 13-5 Key equipment production at Izhneftemash in 2006-2007 (units).....	179
Table 13-6 Condensed income statement of Izhneftemash for 2001-2007 (thousand USD).....	179
Table 13-7 Condensed income statement of the Perm Oilfield Machinery Company for 2001- 2007 (thousand USD).....	179
Figure 13-8 Production of rod lift pump surface units by Reduktor in 2001-2007 (units).....	180
Table 13-9 Condensed income statement of Reduktor for 2001-2007 (thousand USD).....	180
Figure 13-10 Major manufacturers of Christmas trees for the oil industry in 2001-2006 (units)	182
Figure 13-11 Commissioning of new wells and apparent wellhead assembly replacement in 2001-2007 (units)	182
Figure 13-12 Korvet Christmas tree production data for 2001-2006 (units).....	183
Table 13-13 Condensed income statement of Korvet for 2004-2007 (thousand USD).....	184
Table 13-14 Condensed income statement of Yugokama for 2004-2007 (thousand USD)	184
Figure 13-15 Cementing units production by main producers for 2001-2006	185
Figure 13-16 Cementing unit production at Pervomaiskhhimmash for 2001-2006 (units).....	186
Table 13-17 Condensed income statement of Pervomaiskhhimmash for 2003-2007 (thousand USD).....	186