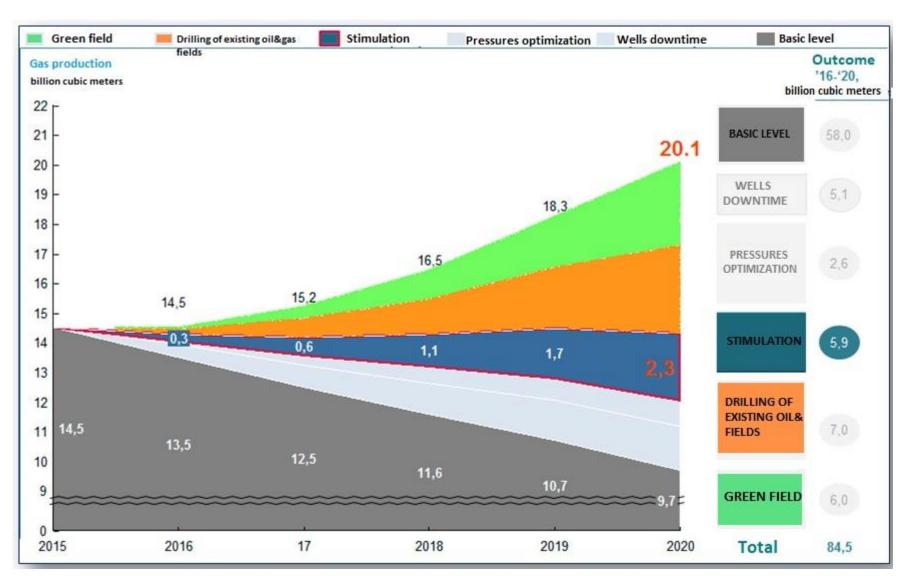


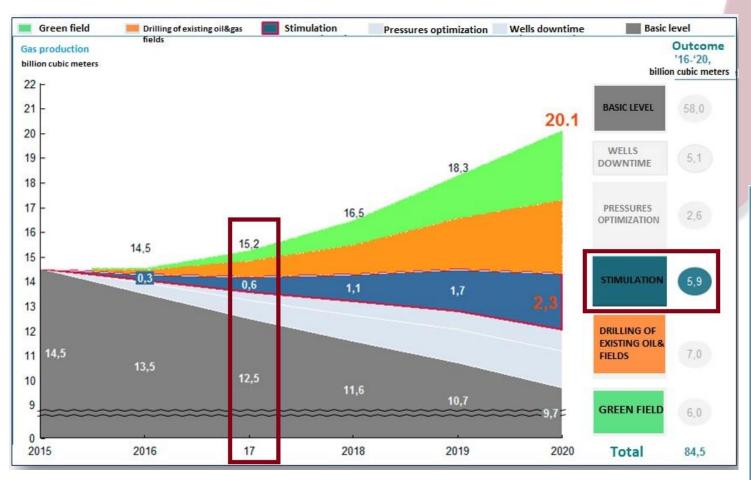
OIL AND GAS SERVICE 2018

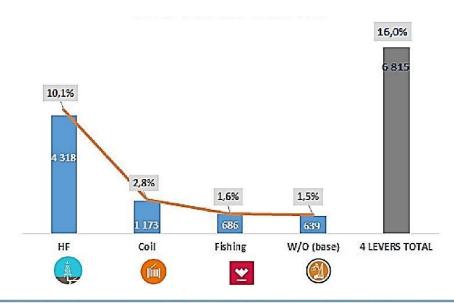
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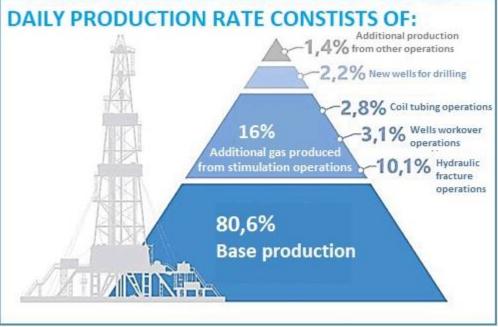
THE ROLE OF THE GAS & OIL SERVICE IN STRATEGY 20/20



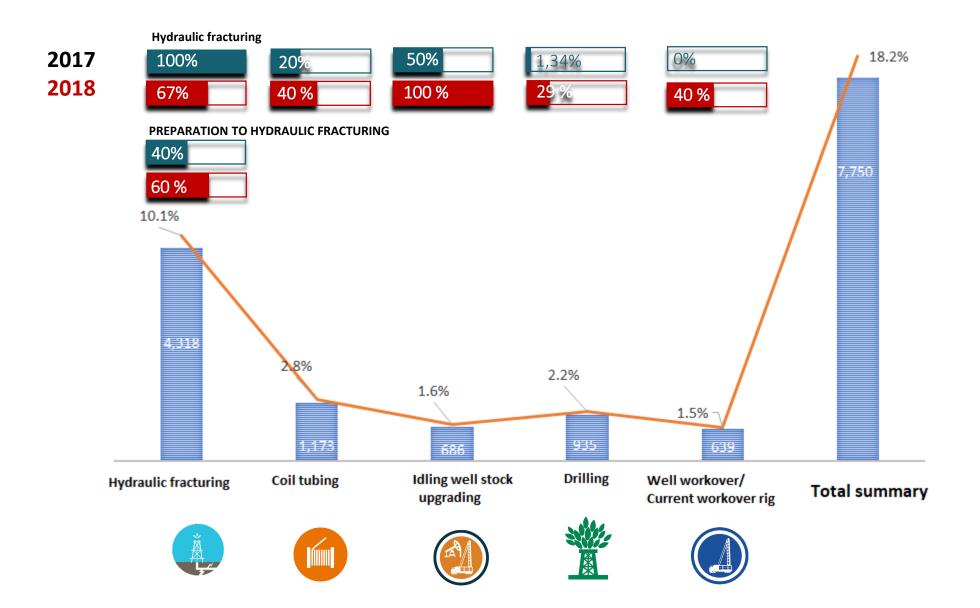
PRELIMINARY SUMMARY 2017





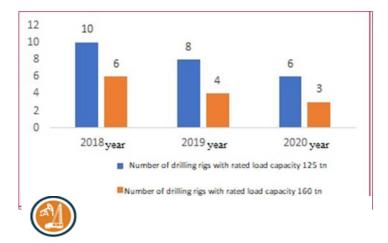


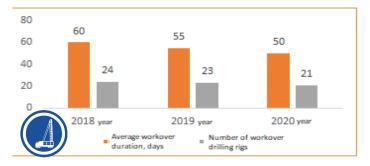
BALANCE OF OUTSOURCING CONTRACTOR vs DOMESTIC CONTRACTOR

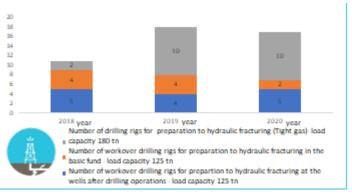


REQUIRED NUMBER OF WORKOVER DRILLING RIGS IN 2018-2020

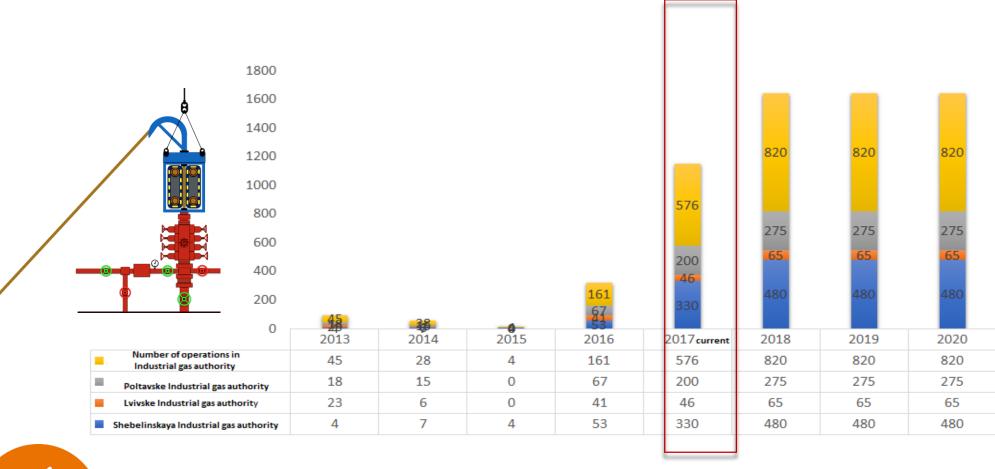






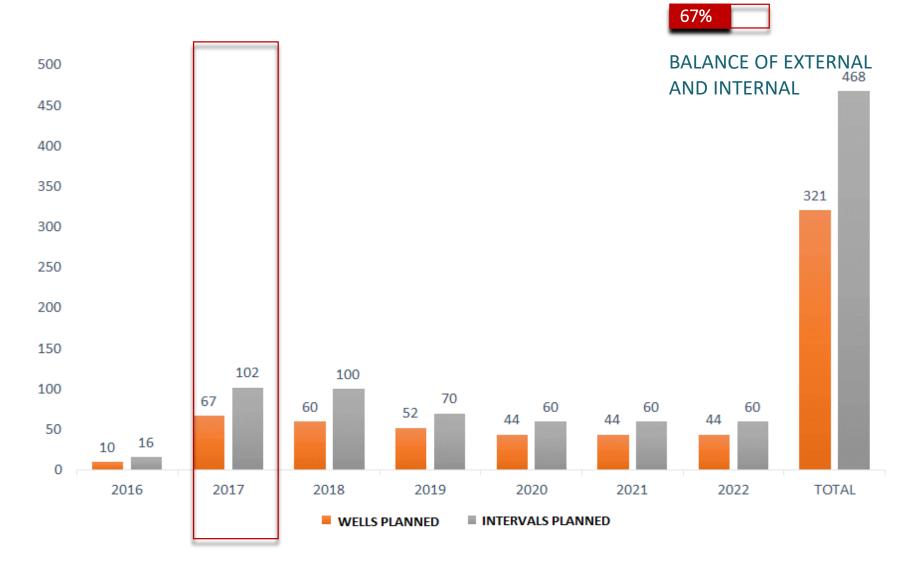


DEMANDS IN COIL TUBING FLEET IN 2018-2020





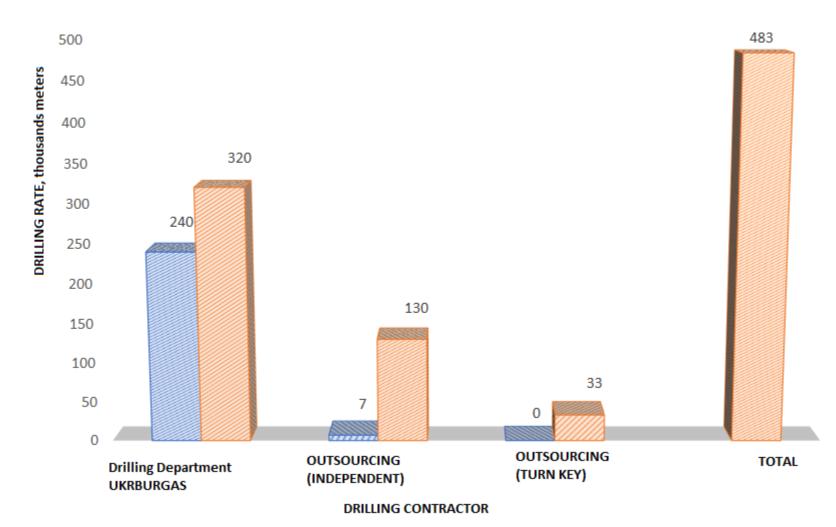
DEMANDS IN HYDROFRAC FLEET





DRILLING SCHEDULE 2017 vs 2018

№ 2017 № 2018





WORKOVER 2018

NAME OF SERVICES/GOODS	UNIT OF MEASURE	DESCRIPTION			
SERVICES					
Workover drilling rigs, 60/80MT180 MT	300 wells; up to 80 drilling rigs of the Outsourcing Contractors				
PREPARATION OF DRILLING AND WELL- KILLING FLUIDS	WELLS	OPERATOINS SUPPORT, UP TO 300 WELLS			
SIDETRACKING "TURNKEY"	WELLS	OFF-STREAM WELLS REACTIVATION TURNKEY PROJECT, UP TO 20 WELLS			
FIELDWORK OUTSOURCING SUPERVISING SERVICES	WORKOVER DRILLING RIGS	SIMULTANEOUS OPERATIONS ON 80 DRILLING RIGS			
TRANSPORTATION SERVICES FOR "UGV- SERVICE" FILIATION	N/A	FREIGHT TRANSPORT AND LIFTING MACHINES			
WELLS TESTING	UNIT	UNIT OF EQUIPMENT, 24 WELLS			
GOODS					
MOBILE DRILLING RIGS 125MT AND 180MT	125MTX10 180MTX5	SUPPLY OF NEW MOBILE DRILLING RIGS			
DRILLING PIPES	4 000 TONNES	73/89MM S-135 / G-105 GRADE			
FREIGHT TRANSPORT AND PASSENGER CAR TRAFFIC	N/A	FREIGHT TRANSPORT AND PASSENGER CAR TRAFFIC FOR PERSONAL USE			
FIELD CAMPS COMPLEXES FOR THE WORKOVER TEAMS	UNIT	36 UNITS FOR THE OWN WORKOVER DRILLING RIGS SUPPORT			
WORKOVER DOWN HOLE EQUIPMENT	N/A	FISHING TOOLS, MILLING AND IMPACT TOOLS			





DRILLING SERVICES 2018

	#	NAME OF SERVICES RENDERED AND GOODS PROVIDED	UNIT OF MEASURE	2018	2019	2020
	1	SERVICES OF A DRILLING CONTRACTOR ON DAY RATE PAYMENT	DRILLING RIG	7	10	13
•	2	SERVICEES OF A DRILLING CONTRACTOR ON "TURNKEY"	DRILLING RIG	7	10	13
	~	SERVICES PROVISION ON SLUDGE TANKS AND PIT S WATERPROOF INSULATION	SITES	72	107	131
	4	DIRECTIONAL DRILLING SERVICES	WELLS	20	30	37
	5	DRILLING FLUIDS SERVICES PROVISION	WELLS	45	67	82
	6	DRILLING WASTE MOVING OUT FROM THE SITE AND ITS DISPOSAL	WELLS	8	12	15
	7	WELLS CEMENT JOBS SERVICES	WELLS	40	60	73
	v	SERVICES PROVISION ON ENGINEERING SUPPORT OF THE ACCESSORY CASING EQUIPMENT	WELLS	32	48	58
	9	CASING AND LINERS SERVICES PROVISION WITH A LEAKPROOF EQUIPMENT OF THE WELL LINING IN SECTION AND HANGERS USE	WELLS	32	48	58
	10	DRILLING BITS SERVICES AND ENGINEERING SUPPORT	WELLS	45	67	82
	11	DOWNHOLE DRILLING MOTORS SERVICES PROVISION AND ENGINEERING SUPPORT	WELLS	45	67	82
	12	DRILLING JARS SERVICES PROVISION AND ENGINEERING SUPPORT	WELLS	45	67	82
	13	GEOPHYSICAL SURVEY AND PERFORATION SHOOTING JOBS IN THE WELLS	WELLS	32	48	58
	14	CORE RECOVERY SERVICES	WELLS	8	12	15
	15	MWD , MUD LOGGING STATION SERVICES	WELLS	9	13	16
	16	FISHING TOOLS SERVICES PROVISIONG AND LEASING	UAH, THOUSANDS	9 000	13 410	16 380
	17	PACKER EQUIPMENT, WIRELINE OPERATIONS AND FISHING TOOLS SERVICES PROVISION	UAH, THOUSANDS	9 000	13 410	16 380
	18	DRILLING FLUILDS TREATEMENT AND PURIFICATION SERVICES	MELLC	8	12	15

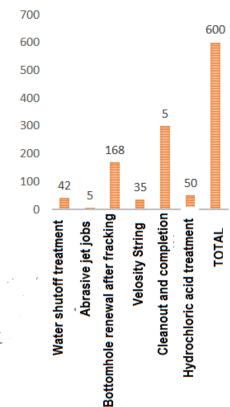


HYDRAULIC FRACTURING 2018

NAME OF SERVICES/GOODS	UNIT OF MEASURE	DESCRIPTION			
SERVICES					
HYDRAULIC FRACTURING OPERATIONS	80 OPERATIONS ON WELLS 2 LOTS (50 AND 30 OPERATIONS)	HYDRAULIC FRACTURING OPERATIONS PERFORMANCE ON GAS-CONDENSATE WELLS			
GOODS					
	E 2000 TONNES	PROPPANT— HYDRAULIC FRACTURES PROPPING AGENT			
PROPPANT AGENT IN THE RANGE		CERAMIC PROPPANT AND RCP PROPPANT PURCHASE IS PLANNED			
CHEMICAL AGENTS FOR LINER	1200 M3 LINER GEL	CHEMICAL AGENGS PURCHASE IS PLANNED FOR POSSIBLE			
AND CROSSLINKED GEL FOR HYDRAULIC FRACTURING	5000 M3 CROSSLINKED GEL	PREPARATION OF THE DRILLING FLUIDS SPECIFIED VOLUME			
SPECIAL-PURPOSE MACHINERY FOR THE HYDRAULIC FRACTURING UNIT (10 UNITS FOR FRACKING)	1 PROPPANT TANK CARRIER WITH CAPACITY MORE THAN 60 TONNES 3 PUMPS 2500 horse powers each 6 TANKS FOR FRACKING FLUID WITH VOLUME M ³	ADDITIONAL SUPPLY OF MISSING UNITS A SPECIAL MACHINERY FOR FRACKING PURCHASE OF THE SPECIFIED SPECIAL MACHINERY UNITS IS PLANNED			
PACKERS	10 SERVICE PACKERS 4 SERVICE PACKERS	PACKERS FOR OPERATION UNDER PRESSURE 700 ATM FOR USING IN CASINGS 140, 146, 168 MM.			



COIL TUBING SERVICES 2018



 0	Water shutoff treatment	Âbrasive jet jobs	Bottomhole renewal after fracking	Velosity String	Cleanout and completion	Hydrochloric acid treatment	TOTAL
100	42	5		35		50	
200			168				
300					5		
400							
500							
600							000
							600

	PROCUREIVIENT PLA	IN .				
SERVICES						
WORKOVER OPERATIONS WITH A		OPERATIONS WITH COMPRESSION UNIT				
COIL TUBING UNIT USE	5 LOTS (22 OPERATIONS) 5 LOTS (80 OPERATIONS)	ON GAS-CONDENSATE WELLS				
GOODS						
RESERVOIR GAS	14900T	FOR COMPLETION AND WELLS CLEANOUT USE				
COILED TUBING IN STOCK	18 COILS OF TUBING	FOR OPERATIONS WITH COMPRESSION UNITS USE				
SPECIAL-PURPOSE MACHINERY FOR COMPRESSION UNTI:	NITROGEN PUMP COMPLEX UNIT 5 UNITS; SERVICE VEHICLE 2 UNITS; CRIOGENIC TANKS ON A MOTOR VEHICLE CHASSIS 5 UNITS	FOR COMPLETION AND WELLS CLEANOUT USE				
ВОР	BOP 2 UNITS FOR COIL TUMING 31,75MM BOP 2 UNITS FOR COIL TUBING 38,1MM	FOR COMPRESSION UNIT UPGRADE				
BOREHOLE TOOLS FOR COMPRESSION UNIT	DOWNHOLE DRILLING MOTOR IN A STOCK FOR COMPRESSION UNIT (4 UNITS) PERCUSSION IN STOCK (UNIT) FOR COIL TUBING	FOR BOREHOLE JOBS WITH COMPRESSION UNIT USE				
SPARE PARTS IN A STOCK	FOR COMPRESSION UNIT, NITORGEN UNIT, PUMPING UNIT AND SPECIAL-PURSPOSE MACHINERY	FOR SERVICE MAINTENANCE OF THE COIL TUBING UNITS				

