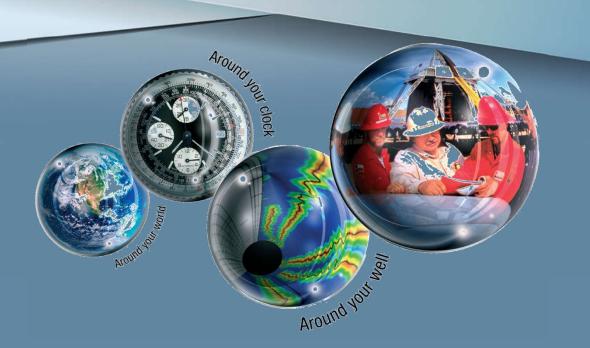
## All around you



## **MATRIX ACIDIZING SERVICES**

**BR INDUSTRIAL OPERATIONS LLP** 

### HSE

## BR INDUSTRIAL OPERATIONS WILL:



- Introduce programs to ensure safe working conditions and professional suitability of personnel in order to fulfill the assigned tasks of preventing occupational injuries and harm to the health of employees
- To constantly work on improvement in terms of safety engineering
- Ensure a continuous improvement of HSE management system

S

- Ensure technical safety and reliability of the warehouse for safe and secure storage of goods.
- Ensure a continuous improvement of HSE management system
- Any personnel has a right to intervene in case of detection of unsafe work and hazardous conditions

E

- Comply with all applicable laws, regulations and other requirements in accordance with accepted obligations
- To constantly work on improvement in terms of environmental protection of the country
- Ensure a continuous improvement of HSE management system
- Pollution Prevention
- Any personnel has a right to intervene in case of detection of environmental pollution

### Well stimulation activities

- Matrix Acidizing
- Fracture Acidizing
- Wellbore Clean-out (Backflush)
- Water and Gas Shut-off
- Injection Tests
- Acid mixing and transportation.







Component	Description
Cab and Chassis:	T-800 Kenworth 2004 (GOST Certified)
Engine:	Caterpillar 6 cylinder Turbo Diesel C-12 430 HP @ 1800 rpm 1550 ft/lbs. torque
Transmission:	Eaton Road Ranger 10 speed
Engine Emergency Shut Down(ESD)	Roda-Deco Pneumatic remote operation
Power Divider:	Spicer 784,450 HP rated
Low Pressure Pumps·	
- Centrifugal	Mission Magrum 3 X 4 X 13
- Roper:	Roper model #3622HBF2423
	624 liters/minute (165 US Gallons/minute) @ full flow
High Pressure :	SPM 1WS600S Triplex pump, 3 Y:i" or 4 Y:i "Plungers, 600 Hp,
	Maximum Cl/VP 707 Atm (10,394 PSI)
Heater:	5 M BTU ThermoGen Heater (rated output) Series/Parallel flow,
	Electronic ignition
Fire Suppression	
- 150 lb ANSUL	Wheeled unit w/Purple K suppressant. Nitrogen propelled
- 15 lb C02	Flag Fire 15 Lb (6.8 kg)
High Pressure Treating:	2· 1502 API 10,000 psi working pressure 45 meters of pipe joints
	8 @ Swivel Chiksan® (2 way swivel) 1 @ Check valve,
	2 @ 2X1 Low torque valve
	1 @ Thread to Thread Crossover 1 @ Wing to Wing Crossover
	2 @ "T" Connection
Hoses:	
- Loading Suction Hose I	14 meters of 3" Tank truck hose 3" Fia 206 WECO connections
- Low Pressure Discharge Hose	14 meters of 2" Tank truck hose 2" Fia 206 WECO connections
-Tank Vent Hose	14 meters of 2" Tank truck hose
	2" aluminum. Camlock connections

## **Equipment specifications**











# Functional diversity and superiority of our units:

- Greater pumping capacity rate (600 HHP, 300 HHP continuous)
- Higher pressure (15,000 psi for pressure testing and 10,000 psi operational pumping)
- Greater effective injection rate (980 L/min)
- Higher heating capacity (5.5 mil BTU or 1,465 kW)
- Greater flow rate through the boiler (350 l / min and 500 l / min)
- Fuel-efficient engine for all pumping and heating procedures
- Lockable and secure venting systems for fuel tanks
- Ability to transport and work with different fluids
- Accurate measurement and setting of fluid pressure, volume and temperature enabled by Allmight System in order to perform at the optimum injection rate for Matrix acidizing works.





#### **Chemicals and Additives**

We use chemicals from trusted manufacturers around the world mainly US and Europe, Russia.

- Raw HCL Acid (Local supplier)
- Raw HF Acid (Local supplier)
- Foamed Agents in order to clean out the well (supplied from USA, Texas and Russia)
- Corrosion Inhibitors to protect drill pipe, tubing or any other metal that can be in contact with acid during treatment (Supplied from Europe, Russia or USA as per request)
- Solvent & Diverters in order to increase effective permeability to hydrocarbons.







## Our team consist of highly experienced professionals

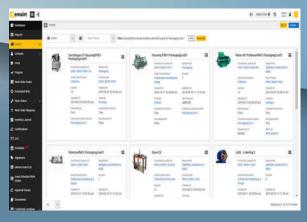
- High pressure/high temperature pumping
- Down hole completion
- Pressure rating and surface equipment
- First Aid and CPR
- H2S safety Training
- Matrix Acidizing.
- Safe handling of the fluids
- Heavy equipment operation and Driving
- Wax build up and clogging
- Acid pumping and Matrix acidizing





### **Efficient work**

- E-MAINT CMMS Program to organize maintenance management system within the company
- CMMS software solutions provide a central repository for all asset data, work orders, materials and inventory, and other vital information for maintenance teams.
- CMMS directly integrated into 1C accounting software
- Most of the essential components have stand by equipment and spare parts
- Warehouse storage of all the equipment needed for work













## **Case Study**

1. Saigak Oil Kazakhstan

Water Pumping, Injection test and Heating fluids Duration 2 months (0 breakdown)

2. Schlumberger Logico, Kazakhstan

TCO, Atyrau Region, Kazakhstan Heating fluids for further Geological Decomposition Duration 1,5 months (0 breakdown)

3. Schlumberger Logico, Kazakhstan

Karachaganak, West-Kazakhstan Region, Kazakhstan Heating fluids for further Geological Decomposition Duration 14 months (0 breakdown)

4. Maersk Oil Kazakhstan

Dunga oil field, Mangystau Region Water Injection Project, (24/7/365) Duration 2,5 years (1 breakdown)

5. EMIR-OIL Kazakhstan

Emir-Oil oilfields, Mangystau Region Hot oil work in wells, pipelines and export pipelines(oil sweetening); Hot oil works on oil tanks and hot water circulation through the wells Duration 2 months (78 operations have been carried out with 0 breakdown)

6. Mangystau Munai Gaz Kazakhstan

Zhanozen oilfields, Mangystau Region

Acid stimulations work; fluid volume upto 150 cubic meters and 28% HCL

6 well campaign (0 breakdown)

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Schlumberger

03-August 2015 To whom it may concer

#### REFERENCE LETTER

This letter is to inform as to the "Mega Prizma" LLP has been performing following services to Schlumberger Well Services:

- Heating and Pumping Services for TengizChevrOil.
- Heating and Pumping Services for KPO b.v.
- · Cleaning and Coating Application of the Frac Tanks.
- · Sand blasting of Frac Tanks.

All jobs have been done at good professional and safety manner

Yerzhan Sultanov Stimulation Coordinator, Schlumberger Logelco Inc, KZU, Kazakhstan, Aksai cell: +7.771 121 46.41 ysultanov@slb.com





Date 24th Of October 2019

BR Industrial Operations LLP

BIN:070340014875

Admiral Vladimirskii Street 97, office 5

Tel: +77023450712

Website: https://www.br-industrial.kz

Recommendation Lette

BR Industrial Operations LLP (formerly MegzPrizma LLP) has been exceptional business partner for the Hadid Engineering SDN BHD for the multiple projects in Mangystau Region.

BR Industrial Operations LLP provided services such as well stimulation works by pumping acid to perforation zones as well as hot oil works. Additionally, the reservoir flushing services were provided too.

The development and maintenance of the Emir Oil Oilfields has been remarkable challenge for all the stakeholders, Contractors, Subcontractors, Suppliers and individuals involved. The great administrative, human, material and technical requirements have proven the professionalism and competency of those who participated in this complex project.

Based on the above, this is to recommend BR Industrial Operations LLP to undertake future dewaxing, pumping and reservoir flushing works as a reliable partner, either within projects in Mangystau Region or with any other company with similar requirements.



### THANK YOU FOR YOUR ATTENTION

#### FOR MORE INFORMATIONS PLEASE CONTACT US

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