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|  | |  |  | | --- | --- | |  | **450077, Russian Federation, Ufa,**  **26 Revolucionnaya str., office.27**  **tel:/fax (347) 286-59-53, 286-59-54**  **E-mail:** [**sales@rogeng.ru**](mailto:%20sales@rogeng.ru) | |

Data sheet for mobile oil-well test and development unit (test-separator)

Company: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of oil Field: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| № | **Indicators** | | **Values** |
| ***1*** | ***2*** | | ***3*** |
| 1 | Maximum and minimum capacity of the field on liquid (oil+water), m3/day | |  |
| 1.1 | Oil flow range (flow rate), m3/day | |  |
| 1.2 | Gas flow range (flow rate), NCM/day | |  |
| 2 | Planned operating duty | |  |
| 2.1 | Pressure in oil-and-gas gathering system, MPa | |  |
| 2.2 | Inlet pressure in test-separator, MPa | |  |
| 2.3 | Gas factor, m3/m3 | |  |
| 3 | Temperature range of the well production, ºС | |  |
| 4 | Acidity of the medium, pH | |  |
| 5 | Oil properties: | |  |
| Oil density, kg/m3 | at 20 °C |  |
| - density, mm2/c (MPa x c) | at 20 °C |  |
| at 50 °C |  |
| - composition of reservoir oil and degassed oil | |  |
| Oil-freezing point, °C | |  |
| Initial paraffin crystallization point, °C | |  |
| Paraffin melting temperature, °C | |  |
| 6 | Content, mass %: | |  |
| - paraffin | |  |
| - total sulfur | |  |
| - mercaptan sulfur | |  |
| - hydrogen sulfide | |  |
| - gum, asphaltene | |  |
| - solid particles | |  |
| 7 | Gas properties | |  |
| - complete gas composition, mol % | |  |
| N2 (nitrogen) | |  |
| CO2 (carbon dioxide) | |  |
| H2S (hydrogen sulfide) | |  |
| СН4 (methane) | |  |
| С2Н6 (ethane) | |  |
| С3Н8 (propane) | |  |
| iC4H10 (isobutane) | |  |
| nC4H10 (n-butane) | |  |
| iC5H12 (isopentane) | |  |
| nC5H12 (n.pentane) | |  |
| С6+higher  (hexanes) | |  |
| Gas density, kg/m3 | |  |

|  |  |  |  |  |  |  |  |  |  |
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| 8 | Water property: | | | | | | | |  |
| - salt content of reservoir water | | | | | | | |  |
| - acidity, pH | | | | | | | |  |
| - density at \_\_\_\_\_\_ °C, kg/m3 | | | | | | | |  |
| - total salt content, g/dm3 | | | | | | | |  |
| 9 | \* Specify oil disposal method | | to header | | | | | |  |
|  | | reservoir pressure, MPa | | | |  |
| automatic calling | | | | | |  |
| disposal at HFU | | | | | |  |
| other | | | | | |  |
| 10 | \* Specify water disposal method | | Field of formation pressure maintenance (disposal well) | | | | | |  |
| automatic calling | | | | | |  |
| evaporating on HFU | | | | | |  |
| other | | | | | |  |
| 11 | \* Specify gas disposal method | | | - gas-diesel-electric station | | | | |  |
| - gas turbine electric station | | | | |  |
| - flare (delivery of mobile flare is possible)  - mobile horizontal flare unit (HFU)  - mobile vertical flare unit (FU)  - flare knock-out drum  - with pumpout pump  - with disposal to drainage vessel  - pilots for FU and HFU  - direct ignition for FU or HFU | | | | |  |
| - gas-gathering header | | | | |  |
|  | | reservoir pressure, MPa | | |  |
| 12 | Necessity to feed reagent (chemical injection skid is installed on the test-separator unit) | | demulsifier | | | | | |  |
| other reagent (specify) | | | | | |  |
| 13 | Incision for feeding of | | corrosion prevention chemical | | | | | |  |
| hydrate growth inhibitor | | | | | |  |
| paraffin inhibitor | | | | | |  |
| salting inhibitor | | | | | |  |
| 14 | Measuring error of the flowrate of | | | | | | | oil |  |
| gas |  |
| water |  |
| 15 | Additional and associated equipment | | | | | | | | |
| Accumulation tank v=25 or 50m³ | | | | | | | - chassis-mounted |  |
| - skid-mounted |
| - runners-mounted |
| Oil heating unit | | | | | | | - with LFPU (liquid fuel processing unit) |  |
| - without LFPU (liquid fuel processing unit) |  |
| - modular mobile power station | | | | | | | - diesel |  |
| - piston |  |
| - turbine |  |
| Control room | on chassis 6х2.5 in assembly with: operator's automated working station, control cabinet, low-voltage package cabinet | | | | | | |  |
| other (specify requirements) | | | | | | |  |
| Loading unit | | | | | | | Hermetic loading |  |
| Non-hermetic loading |  |
| 16 | Control method to measure well production | | | | | | | automatic |  |
| manual |  |
| 17 | Instrumentation requirements: | | | | | | | |  |
| 18 | Operation area climate conditions: | | | | | | | |  |
| - average temperature of coldest five days, °C | | | | | | | |  |
| - absolute minimal temperature, °C | | | | | | | |  |
| 19 | Power supply | | | | | | | |  |
| 20 | Version | | | | | | - chassis-mounted | |  |
| - skid-mounted | |
| - runners-mounted | |
| - in precipitation shelter | |
| - without shelter | |
| 21 | Additional services required or not | | | | | | Supervised installation | |  |
| Start-up and commissioning | |  |
| Transportation (destination) | |  |
| 22 | Other requirements | | | | | |  | |  |

***Prepared by:***

***Surname Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Position: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Company: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Postal address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

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**Stamp here \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  *Signature of the enterprise (department) head***

***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Printed name***