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|  | **SECTION 1: Provision of Gravel Pack Services Downhole Equipment** |  | |  |  |
| Item No. | Description | BIDDERS Full Description | | Unit of Measure | Unit Price |
|  | 9-5/8” CASING |  | |  |  |
| 1 | Retrievable Seal Bore Packer, 9-5/8” 47-53.5#, Alloy / Nitrile elastomers, with 5k WP |  | |  |  |
| 2 | Gravel-pack extension, complete with closing sleeve, 9-5/8” with API connection |  | |  |  |
| 3 | Cross-over sub below Gravel-pack extension |  | |  |  |
| 4 | Fluid loss control device, 9-5/8”, with LTC Box x Pin |  | |  |  |
| 5 | Shear-Out safety joint, 9-5/8”, with LTC Box x Pin |  | |  |  |
| 6 | Blank Pipe, 5-1/2”, 17#, with centralizers for 9-5/8” 47# casing, Range 2 length, LTC Box x Pin, P-110 |  | |  |  |
| 7 | Standard wire-wrapped screen, 0.012 ga; 316L stainless steel, 5-1/2”, 17#, base pipe, with centralizers, Range 2 length, LTC Box x Pin, P-110. |  | |  |  |
| 8 | No-Go Locator, for 9-5/8” seal bore packer, 5-1/2” LTC Box up, 110K MY. |  | |  |  |
| 9 | Bonded seal unit, nitrile rubber for 9-5/8” seal bore packer; 5.000”, connections, 125K MY |  | |  |  |
| 10 | Self-aligning guide shoe for 9-5/8” seal bore packer, API connections, 110K MY. |  | |  |  |
| 11 | Mill-out Extension, for 9-5/8” seal bore packer, API connections, P-110 |  | |  |  |
| 12 | Crossover sub, below Mill-out extension with 3-1/2” CSH pin down |  | |  |  |
| 13 | Flow Coupling, 3-1/2” 9.3# CSH Box x Pin |  | |  |  |
| 14 | Sliding Sleeve, non-elastomeric, shift up to open, 3-1/2” 9.3#, with 2.75” Profile, CSH Box x Pin, 80k MY |  | |  |  |
| 15 | Flow Coupling, 4ft or 6ft, 3-1/2”, 9.3# CSH Box x Pin 80K MY |  | |  |  |
| 16 | Blast Joint, 20ft, 3 ½”, 9.3#, CSH Box x Pin |  | |  |  |
| 17 | Locator seal assembly, for 9-5/8” seal bore packer, 3-1/2” 9.3#, CSH Box up, 80K MY. |  | |  |  |
| 18 | Bonded seal unit, nitrile rubber for 9-5/8” seal bore packer, 125K MY |  | |  |  |
| 19 | Crossover sub below seal assembly with 3-1/2” CSH Pin down, 80K MY |  | |  |  |
| 20 | Landing Nipple, selective profile, 3 1/2", 9.3# CSH Box x Pin, 2.75” seal bore, 80K MY |  | |  |  |
| 21 | Landing Nipple, Bottom No-Go, 3 1/2", 9.3# CSH Box x Pin, 2.75” seal bore, 80K MY |  | |  |  |
| 22 | Mule Shoe, 3 1/2" 9.3# CSH Box x Pin, 80K MY |  | |  |  |
| 23 | Bull Plug, 5-1/2”, 17# LTC Box up with Round nose, 80K MY |  | |  |  |
|  |  |  | |  |  |
|  | 7” CASING |  | |  |  |
| 1 | Retrievable Seal Bore Packer, 7” 26-32#, Nitrile elastomers, 5k WP |  | |  |  |
| 2 | Gravel-pack extension, complete with closing sleeve, 7” with API connection |  | |  |  |
| 3 | Cross-over sub below Gravel-pack extension |  | |  |  |
| 4 | Fluid loss control device, 7”, with LTC Box x Pin |  | |  |  |
| 5 | Shear-Out safety joint, 7”, with LTC Box x Pin |  | |  |  |
| 6 | Blank Pipe, 4”, 11#, with centralizers, Range 2 length, LTC Box x Pin, P-110 |  | |  |  |
| 7 | Standard wire-wrapped screen, 0.012 ga; 316L stainless steel, 4”, 11#, base pipe, with centralizers, Range 2 length, LTC Box x Pin, P-110. |  | |  |  |
| 8 | No-Go Locator, for 7” seal bore packer, 4” LTC Box up, 110K MY. |  | |  |  |
| 9 | Bonded seal unit, nitrile rubber for 7” seal bore packer, 125K MY |  | |  |  |
| 10 | Self-aligning guide shoe for 7” seal bore packer, API connections, 110K MY. |  | |  |  |
| 11 | Mill-out Extension, for 7” seal bore packer, API connections, P-110 |  | |  |  |
| 12 | Crossover sub below Mill-out extension with 2-3/8” CSH pin down |  | |  |  |
| 13 | Flow Coupling, 4ft or 6ft long, 2-3/8”, 4.6# CSH Box x Pin |  | |  |  |
| 14 | Sliding Sleeve, non-elastomeric, shift up to open, 2-3/8”, 4.6#, with 1.875” Profile, CSH Box x Pin, 80k MY |  | |  |  |
| 15 | Flow Coupling, 4ft or 6ft, 2-3/8”, 4.6#, CSH Box x Pin 80K MY |  | |  |  |
| 16 | Blast Joint, 20ft, 2-3/8”, 4.6#, CSH Box x Pin |  | |  |  |
| 17 | Locator seal assembly, for 7” seal bore packer, 2-3/8” CSH Box up, 80K MY. |  | |  |  |
| 18 | Bonded seal unit, nitrile rubber for 7” seal bore packer, 125K MY |  | |  |  |
| 19 | Crossover sub below seal assembly with 2-3/8” CSH Pin down, 80K MY |  | |  |  |
| 20 | Landing Nipple, selective profile, 2-3/8”, 4.6#, CSH Box x Pin, 1.875” seal bore, 80K MY |  | |  |  |
| 21 | Landing Nipple, Bottom No-Go, 2-3/8”, 4.6#, CSH Box x Pin, 80K MY |  | |  |  |
| 22 | Mule Shoe, 2-3/8”, 4.6#, CSH Box x Pin, 80K MY |  | |  |  |
| 23 | Bull Plug, 4”, 11# LTC Box up with Round nose, 80K MY |  | |  |  |
|  |  |  | |  |  |
|  | PERSONNEL FOR DOWNHOLE EQUIPMENT |  | |  |  |
|  | Description | Bidders Description | No. Of Personnel | Daily Charge Each | Total Daily Charge |
| 1 | Service Engineer Per day |  |  |  |  |
| 2 | Assistant Service Engineer Per day |  |  |  |  |
| 3 | Mobilization/Demobilization |  |  |  |  |
|  |  |  |  |  |  |
|  | DOWNHOLE EQUIPMENT RENTAL |  |  |  |  |
|  | Description | Bidders Description | Quantity | Daily Standby Charge | Daily Operational Charge |
| 1 | Downhole service tool package for 9-5/8” casing |  |  |  |  |
| 2 | Downhole service tool package for 7” casing |  |  |  |  |
| 3 | Tool Basket |  |  |  |  |
|  |  |  |  |  |  |
|  | MISCELLANEOUS |  |  |  |  |
|  | Description | Quantity | Unit of Measure | Unit Rate | |
| 1 | Mobilization |  |  |  | |
| 2 | Demobilization |  |  |  | |
| 3 | Cancellation charge |  |  |  | |
| Notes:  1. Assumed 2 days operational and 5 days standby for the cost estimate.  2. This is just an estimate, actual cost will be charged on the quantity of equipment used and duration of the job during the execution.  3. Items requested or utilized during the job execution not included in the above estimate shall be charged based on price list less 20%.  4. CONTRACTOR’s price list is subject to negotiation and shall be submitted along with commercial tender.  5. Third party item utilized or requested shall be reimbursed at documented cost plus 20% handling charge.  6. Charges start when the day equipment / personnel leave CONTRACTOR base and when return same.  7. Cancellation charges applies when written callout was given and later cancelled. | | | | | |

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| **SECTION 2: Provision of Gravel Pack Pumping Services:** |  | | | | | |
| Skid Pumping Equipment Package |  | | | | | |
|  |  | | | | | |
| Mobilization /Demobilization |  | | | | | |
| Cancellation Charge |  | | | | | |
|  |  | | | | | |
| **Description** |  | | | | | |
| HT 400 Pump (200 HHP) - Operating | Qty | UOM | Qty | UOM | Net rate | Amt |
| HT 400 Pump (200 HHP) - Standby | 1 | ea | 1 | day |  |  |
| V-16 pump (400 HHP) Operating | 1 | ea | 1 | day |  |  |
| V-16 pump (400 HHP) Operating | 1 | ea | 1 | day |  |  |
| Clam Blender - Operating | 1 | ea | 1 | day |  |  |
| Clam Blender - Standby | 1 | ea | 1 | day |  |  |
| Hydraulic Power pack per day | 1 | ea | 1 | day |  |  |
| 30 x 2 bbl Batch Mixer- Operating | 1 | ea | 1 | day |  |  |
| 30 x 2 bbl Batch Mixer- Standby | 1 | ea | 1 | day |  |  |
| 120 bbl Storage Tank -Operating | 1 | ea | 1 | day |  |  |
| 250 bbl Storage Tank - Operating | 1 | ea | 1 | day |  |  |
| Data Acquisition (Compupac) Daily Rental | 1 | ea | 1 | day |  |  |
| 2 in HP Treating Line per ft - includes all accessories - SR | 100 | ea | 1 | day |  |  |
| 2 in HP Treating Line per ft - includes all accessories - OP | 100 | ea | 1 | day |  |  |
| Centrifugal Pump - Daily Rental | 1 | ea | 1 | day |  |  |
| Portable Mobile Radio - Daily Rental | 1 | ea | 1 | day |  |  |
| Squeeze Manifold - Daily Rental | 1 | ea | 1 | day |  |  |
| 1000 Gal Acid Transport Tank - Daily Rental | 1 | ea | 1 | day |  |  |
| Proppant storage (up to 70 cuft) - daily rental | 1 | ea | 1 | day |  |  |
| 2000 gal Return tank for pickle/ paragon - Daily Rental | 1 | ea | 1 | day |  |  |
| 2" Densometer - Standby | 1 | ea | 1 | day |  |  |
| Sand Catch Tank per day | 1 | ea | 1 | day |  |  |
| Chemical Transfer Pump - Daily Rental | 1 | ea | 1 | day |  |  |
| Tank Cleaning - per tank per job, Dual Pod Cartridge Filter unit | 1 | ea | 1 | day |  |  |
| Tool basket (<10ft), instrument box | 1 | ea | 1 | day |  |  |
| Tool basket (<10ft), mini container | 1 | ea | 1 | day |  |  |
| Tool basket (10-20ft) Iron container | 1 | ea | 1 | day |  |  |
|  |  |  |  |  |  |  |
| **Personnel for Gravel Pack Job** |  |  |  |  |  |  |
| Sand Control Engineer, per day | 1 | ea | 1 | day |  |  |
| Sand Control Supervisor, per day | 1 | ea | 1 | day |  |  |
| Sand Control Service Operator, per day | 1 | ea | 1 | day |  |  |
| Sand Control Service Assistance, per day | 1 | ea | 1 | day |  |  |
| Mechanic, per day | 1 | ea | 1 | day |  |  |
| Subsistence Charge per day | 1 | ea | 1 | day |  |  |
|  |  |  |  |  |  |  |
| **Consumables** |  |  |  |  |  |  |
| **Miscellaneous** |  |  |  |  |  |  |
| K-35 | 1000 | Lbs. | 1 | lbs |  |  |
| 10 Micron Cartridge Filter | 110 | ea | 1 | ea |  |  |
|  |  |  |  |  |  |  |
| **Pickle Treatment - 420 gals 10% HCl - PAD Acid** |  |  |  |  |  |  |
| Paragon EA | 37.8 | gals | 1 | gals |  |  |
| HCl, 33% Raw Acid | 114.7 | gals | 1 | gals |  |  |
| WS-36 | 4.2 | gals | 1 | gals |  |  |
| HAI-GE | 2.1 | gals | 1 | gals |  |  |
|  |  |  |  |  |  |  |
| **Pickle Treatment Lower Zone -420 gals 10% HCl - PAD Acid** |  |  |  |  |  |  |
| Paragon EA | 420 | gals | 1 | gals |  |  |
|  |  |  |  |  |  |  |
| **Perforation acid treatment - 924gals 10% HCl Acid** |  |  |  |  |  |  |
| HCl, 33% Raw Acid | 252.25 | gals | 1 | gals |  |  |
| FE - 2 | 46.2 | lbs | 1 | gals |  |  |
| FE-1A | 9.24 | gals | 1 | gals |  |  |
| MUSOL | 9.24 | gals | 1 | gals |  |  |
| Cla-sta-FS | 9.24 | lbs | 1 | gals |  |  |
| HAI-GE | 3.7 | gals | 1 | gals |  |  |
| Losurf 300 | 2.8 | gals | 1 | gals |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 60 lbs/MgalAquinear (WG-37), per bbl | 148 | bbls | 1 | bbls |  |  |
| 20/40 Carbolite | 6200 | lbs | 1 | lbs |  |  |
|  |  |  |  |  |  |  |
| Notes:  1. Assumed 2 days operational and 5 days standby for the cost estimate.  2. This is just an estimate, actual cost will be charged on the quantity of materials used and duration of the job during the execution.  3. Items requested or utilized during the job execution not included in the above estimate shall be charged based on price list less 20%.  4. CONTRACTOR’s price list is subject to negotiation and shall be submitted along with commercial tender.  5. Third party item utilized or requested shall be reimbursed at documented cost plus 20% handling charge.  6. Charges start when the day equipment / personnel leave CONTRACTOR base and when return same.  7. Aqualinear gel services include gelling agent, butter and 5% Clayfix.  8. Cancellation charges applies when written callout was given and later cancelled. | | | | | | |
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