



**F. SUBSTRUCTURE**

Make: QUALITY/ALTA. NORTH Model 24' Hodgson/ 8' Allan Nelson Pony Sub Type: BOX ON BOX MODIFIED  
Maximum Table Load (Casing Capacity): 300,000 daN with 244,640 daN Setback  
KB to Ground: 9.91 Meters  
Clear Height for BOP's: 8.38 Meters

**G. TRAVELLING EQUIPMENT**

|                                    | <u>CROWN<br/>BLOCKS</u> | <u>TRAVELLING<br/>BLOCKS</u> | <u>BALES</u>         | <u>ELEVATORS</u>  | <u>SWIVEL</u>       |
|------------------------------------|-------------------------|------------------------------|----------------------|-------------------|---------------------|
| Make:                              | <u>HODGSON</u>          | <u>DRECO</u>                 | <u>B.J.</u>          | <u>BLOHM VOSS</u> | <u>PART OF T.D.</u> |
| Model:                             | <u>5-42" x 1 1/4"</u>   | <u>5-42-H350</u>             | <u>2 3/4" x 132"</u> | <u>VESCL</u>      | <u>TDS-10SH</u>     |
| Ld. Rating (daN):                  | <u>311,600</u>          |                              | <u>318,500</u>       | <u>318,500</u>    | <u>250 TONS</u>     |
| # of Sheaves:                      | <u>5+FASTLINE</u>       | <u>5" x 42" X 1 1/4"</u>     |                      |                   |                     |
| API Bearing Rating (daN) @ 100 RPM | <u>311,600</u>          |                              |                      |                   |                     |
| Min. ID (mm):                      |                         |                              |                      |                   |                     |

**H. DRILLING LINE**

Rope Diameter: 32 mm Rope Type: 6 x 19S IWRC  
Core Type: IWRC Nominal Strength: 80,000 daN  
Slip Interval @ 14,000 MegaJoules Cut 18 Meters

**I. DEAD LINE ANCHOR**

Make: QUALITY Model: E.B. Dead Load Rating: 33 400 daN

**J. MUD PUMPS**

**PUMP # 1**

Make: BAOJI Model: BSF1600 Power Rating: 1600 HP  
Available Power to Pump: (1600 HP) 1 200 kw Stroke: 305 mm  
Pulsation Dampner: Make: GOLDMARK DIESEL Model: G20 Precharge: 2,758 kPa  
Liner Sizes Available: 120 - 193 mm  
Minimum Strokes per Minute: 30 spm  
Maximum Strokes per Minute: 120 spm  
Max. Manufacturers Rated Press.: 7,500 psi  
Max. Contractor's Allowed Press.: 7,500 psi

**PUMP # 2**

Make: BAOJI Model: BSF1600 Power Rating: 1600 HP  
Available Power to Pump: (1600 HP) 1 200 kw Stroke: 305 mm  
Pulsation Dampner: Make: GOLDMARK DIESEL Model: G20 Precharge: 2,758 kPa  
Liner Sizes Available: 120 - 193 mm  
Minimum Strokes per Minute: 30 spm  
Maximum Strokes per Minute: 120 spm  
Max. Manufacturers Rated Press.: 7,500 psi  
Max. Contractor's Allowed Press.: 7,500 psi



**P. BLOW OUT PREVENTION EQUIPMENT**

|                      | <u>ANNULAR</u>           | <u>RAM # 1</u>     | <u>RAM # 2</u>     | <u>RAM # 3</u>       |
|----------------------|--------------------------|--------------------|--------------------|----------------------|
| Make:                | <u>SHAFFER</u>           | <u>SHAFFER</u>     | <u>SHAFFER</u>     | <u>SHAFFER</u>       |
| Model:               | <u>BOLTED</u>            | <u>LWS</u>         | <u>LWS</u>         | <u>LWS</u>           |
| Type:                | <u>SPHERICAL</u>         | <u>SINGLE</u>      | <u>SINGLE</u>      | <u>SINGLE</u>        |
| Size (mm):           | <u>279</u>               | <u>279</u>         | <u>279</u>         | <u>279</u>           |
| Working Press. (kPa) | <u>34,700</u>            | <u>34,700</u>      | <u>34,700</u>      | <u>34,700</u>        |
| Connection Type:     | <u>STUD &amp; FLANGE</u> | <u>STUD X STUD</u> | <u>STUD X STUD</u> | <u>STUD X FLANGE</u> |
| Manual/Hydraulic:    | <u>HYDRAULIC</u>         | <u>MANUAL</u>      | <u>MANUAL</u>      | <u>MANUAL</u>        |
| Ram Size (mm):       |                          | <u>127</u>         | <u>BLIND</u>       | <u>127</u>           |
| Element Type:        | <u>NITRILE</u>           |                    |                    |                      |

SHOCK HOSES:

Make: GATES Pressure Rating: 7,500 psi

ACCUMULATOR

Make: DRILLING CONTROLS Model: MB-170-15 Pressure Rating: 20,700 kPa

Number of Bottles: 12 @ 67.5 Liters Each

Precharge Pressure: 8,400 kPa

Accumulator Pressure Operated by Contractor: 20,700 kPa

Manifold Pressure: 10,500 kPa

Number of Stations: 7

Master BOP Controls Location: #2 MOTOR HOUSE

Remote BOP Controls Location: DOG HOUSE Type: ELECTRIC

Number of Pressure Regulators: TWO Make: T.R. 3 1112-8400

Model: 1-25009, 1-105766 Location: #2 MOTOR HOUSE

Number of N2 Bottles: 6 Size: 52 Liters Minimum Pressure: 20,700 kPa

Shear Ram Auxillary System (4) 15 GALLON BOTTLES

PUMP # 1

Make: UNION Model: TD28 Type: TRIPLEX  
Pressure Rating: 20,700 kPa Pump Rate: 63 Liters/Min. 56

PUMP # 2

Make: UNION Model: TD28 Type: TRIPLEX  
Pressure Rating: 20,700 kPa Pump Rate: 63 Liters/Min. 56

HCR VALVES

Make: EEC Model: MS Nace Trim YES  
Number: TWO Size: 76 mm Pressure Rating: 70,000 kPa

CHOKE MANIFOLD

Make: WILLIS Model: M3G Nace Trim YES  
Number: 1 Size: 76 mm Pressure Rating: 70,000 kPa

CHOKE # 1:

Make: WILLIS Model: M3 Nace Trim YES  
Size: 76 mm Pressure Rating: 70,000 kPa

CHOKE # 2:  
Make: WILLIS Model: M3 Nace Trim YES  
Size: 76 mm Pressure Rating: 70,000 kPa

CHOKE # 3:  
Make: WILLIS Model: M3 Nace Trim YES  
Size: 76 mm Pressure Rating: 70,000 kPa

UPPER KELLY COCK:  
Make: VARCO Model: IBUB17M219 Nace Trim YES  
Size: 168 mm Pressure Rating: 70,000 kPa

LOWER KELLY COCK:  
Make: VARCO Model: IBLM22U9456 Nace Trim YES  
Size: 168 mm Pressure Rating: 70,000 kPa

STABBING VALVE:  
Make: Command Energy Model: \_\_\_\_\_ Nace Trim YES  
Number: 1 Size: 134 mm Pressure Rating: 70,000 kPa

INSIDE BOP:  
Make: HI-KALIBRE Model: 4750-IF-DIR Nace Trim YES  
Number: 1 Size: 159 mm Pressure Rating: 70,000 kPa

BLEED OFF LINE:  
Number: 8 Size: 114 mm Nace Trim YES  
Pressure Rating: 70,000 kPa

CHECK VALVE:  
Make: VP Model: \_\_\_\_\_ Nace Trim YES  
Number: 2 Size: 77 mm Pressure Rating: 70,000 kPa

KILL LINE:  
Number: 2 Size: 76 mm Nace Trim YES  
Pressure Rating: 70,000 kPa

MUD GAS SEPARATOR # 1  
Type: POORBOY Location: REMOTE  
Vessel OD: 914 mm  
Inlet Size: 114.3 mm  
Outlet Size: 219 mm Line Size to Flarepit: 219 mm  
Overall Height: 3.70 Meters  
Distance Above Bottom of Tank: 50 cm  
Design Level: CLASS V

MUD GAS SEPARATOR # 2  
Type: POORBOY Location: REMOTE  
Vessel OD: 914 mm  
Inlet Size: 114.3 mm  
Outlet Size: 219 mm Line Size to Flarepit: 219 mm  
Overall Height: 3.70 Meters  
Distance Above Bottom of Tank: 50 cm  
Design Level: CLASS V

DRILLPIPE REQUIREMENTS TO BE DISCUSSED WITH DRILLING SUPERINTENDENT

**Q. DRILL PIPE**

No. 255 JTS. 127 mm 29.01 kg/m GRADE: SS95 API Class: PREMIUM  
Connections: NC50 Tool Joint: OD: 168 mm ID: 82 mm  
Hardbanding: X YES NO Type: 300 XT

No. 166 JTS. 127 mm 38.10 kg/m GRADE: SS95 API Class: PREMIUM  
Connections: NC50 Tool Joint: OD: 168 mm ID: 76  
Hardbanding: X YES NO Type: 300 XT

**R. HEAVIWATE**

No. 50 JTS. 127 mm 74.41 kg/m  
Connections: NC50 Tool Joint: OD: 165 mm ID: 65  
Hardbanding: X YES NO Type: 300 XT  
Stress Relief: YES  
Boreback: YES

**S. DRILL COLLARS**

Number: 12 JTS. OD: 162 mm ID: 64 mm Connections: 5"XH  
Number: 4 JTS. OD: 224 mm ID: 76 mm Connections: 6 5/8" REG  
Number: \_\_\_\_\_ JTS. OD: \_\_\_\_\_ mm ID: \_\_\_\_\_ mm Connections: \_\_\_\_\_  
Stress Relief: API  
Boreback: YES  
Spiral: YES  
Slip Recess: NO  
Elevator Recess: NO  
BIT SUBS: NO. 1 Connections: 6 5/8" REG BOX 7" H90 BOX  
XO SUBS: NO. 1 Connections: 7" H90 BOX 5"XH  
JUNK SUBS: NO. 1 Connections: 4 1/2" REG BOX 4 1/2" REG PIN  
SAVER SUBS: NO. 2 Connections: 4 1/2" XH BOX 4 1/2" XH PIN  
BIT SUBS: NO. \_\_\_\_\_ Connections: \_\_\_\_\_

**T. LIGHTPLANTS**

CAMP

Plant # 1 Output: 75 kw Volts 208  
Plant # 2 Output: 75 kw Volts 208

RIG MANAGER

Plant # 1 Output: 100 kw Volts 280  
Plant # 2 Output: 100 kw Volts 280

RIG

Power and Outlets to run 4 Additional Wellsite Units  
Power Available to run Rental Equipment: 150 kw  
200 Amps 600 Volts 3 Phase

**U. GENERAL**

Drilling Instrumentation: \_\_\_\_\_  
Automatic Driller: \_\_\_\_\_  
High Pressure Wash Guns: (2) UDOR  
Electric Sump Circulating Pump: 2" ELECTRIC  
Kelly Spinner: TOP DRIVE  
Pipe Spinner: FINN 700-80H  
Kelly Hose: RELIANCE 3" x 75' SIZE: 76 mm Working Pressure: 7500 psi  
Make Up Tongs Make: W.W. Size: AAX Jaws Available VARIOUS  
Breakout Tongs: Make: W.W. Size: AAX Jaws Available VARIOUS  
Drill Pipe Elevators: Make: BLOHM VOSS Size: 127 mm  
Drill Collar Elevators: Make: \_\_\_\_\_ Size: \_\_\_\_\_ mm  
Matting: No.: 55 Size: VARIOUS  
Fuel Storage: 48,400 Liters  
Water Storage: 56 CuM  
Water Pumps: No.: TWO Size: 2" x 2 1/2" Output: 1,500 Liters/Min.

**V. BOILERS (2)**

Power Rating: 125 hp BI-FUEL  
Operating Pressure Rating: 1034 KpA

**W. LOADS**

RIG 66 Including BOILER & LOADER  
CAMP 8

**X. OTHER MAJOR PIECES OF EQUIPMENT**

ALLAN NELSON RAIL STYLE WALKING SYSTEM WITH 250' UMBILICAL ZIPPER SYSTEM  
BOP LIFTING CLAMP RATED FOR 30 TONS MAXIMUM  
VARCO TDS10SH 250 TON TOP DRIVE  
NOV IR3080 IRON ROUGHNECK  
65.29 CuM SCALPING TANK  
R.A. HODSON 13 CuM FLARE TANK  
COMPLETE VACUUM WITH TANK, MOTOR AND HOSES  
KOMATSU WA250-6 LOADER WITH BUCKET, FORKS AND CLAMPS  
CREW VEHICLE  
TRAVCO 6 UNIT CAMP WITH 75 KW SUPPORT UNIT  
REMOTE DIAGNOSTIC LOGIN CAPABLE