

## Rig #8

### Mobile Free-Standing Single Class II/III Description and Inventory:

RIG EQUIPMENT	
<b>Mast</b>	Single - 72'-140K free-standing rated @ 63,600 daN - guyed rated @ 68,200 daN/6 lines Max. free-standing hook load 53,400 daN Designed and engineered to API 4F (version 2) specifications
<b>Travelling Block</b>	Unity Rig 73A-75T
<b>Main</b>	42x12 main drum with 40" Kobelt brake assist and 1" drill line
<b>Sandline</b>	Single - 3050m ½" swedge sandline
<b>Drive train</b>	Tandem steer, tri-drive w/ engineered static rollover threshold
<b>Engine</b>	Detroit diesel 60 series 425 hp
<b>Transmission</b>	Allison 750DB
<b>Lighting</b>	Vapor proof incandescent and metal halide flood
<b>Light Plant</b>	Isuzu 40kw
<b>BOP Equipment</b>	Type 81 double gate BOP, 35 Mpa x 179.4mm 35Mpa x 21Mpa flanged work spool with (2) flanged outlets c/w (2) valves, all NACE trim (2) 73mm and (1) 89mm tubing safety valves per rig 76.2mm Regan rod BOP, tubing packoff head per rig
<b>Accumulator</b>	Single - Class II - 10.5Mpa - 20 gallon - 2 station Class III - 21 Mpa - 60 gallon - 3 station

HANDLING EQUIPMENT	
<b>Tubing tong</b>	5893R w/ air back-up
<b>Air slip</b>	Cavan C
<b>Tubing elevator</b>	Big D 65T
<b>EUE equipment</b>	60.3mm, 73mm and 89mm
<b>Hand slip</b>	Unity mission style
<b>Sucker rod equipment</b>	19mm to 25mm sucker rod equipment

SAFETY EQUIPMENT PER RIG	
<b>H2S gas detector</b>	(1) piston tube type
<b>LEL monitor</b>	(2) personal 4 head
<b>SCBA</b>	(2) MSA air packs w/ (2) spare bottles
<b>Other</b>	Electrical ground and bonding equipment, crown saver and pipe ram saver, rear egress Geronimo escape buggy, stretcher, high angle rescue kits, emergency first aid kits, eye wash, (4) purple K fire extinguishers, self-retracting lifelines (mast and vertical)

PUMP SYSTEMS	
<b>Pump</b>	SJ Petro 300
<b>Fluid End</b>	125mm plungers x 125mm stroke x 42Mpa Six valve reverse circulating manifold x 35Mpa
<b>Engine</b>	Detroit diesel 60 series 375 hp
<b>Transmission</b>	Allison CLT 5860DB
<b>Charge pump</b>	Mission 101mm x 275mm

RIG TANKS	
<b>Tank volume</b>	30m <sup>3</sup> w/ external tank gauges – (2) compartment
<b>Configuration</b>	Mixing jets, mixing hopper, trough, poor-boy degasser 120m x 50mm line pipe (3) 7.6m x 101mm suction hoses, (3) 7.6m x 50mm return hoses Man-retrieval hoist