

Rig #5

Mobile Free-Standing Double Class III Description and Inventory:

RIG EQUIPMENT	
Masts	104'-220K rated @ 97,800 daN/6 lines, with electronic weight indicators Designed and engineered to API 4F (version 2) specifications
Travelling Block	McKissick 73A-100T
Main	42x10 main drum with 40" Kobelt brake assist and 1" drill line
Sandline	38x8 sand drum - 3600m ½" swedge sandline with electronic counter
Drive train	Tandem steer, tri-drive w/ engineered static rollover threshold
Engine	Detroit diesel 60 series 425 hp
Transmission	Allison CLT 5860DB
Lighting	Vapor proof incandescent and metal halide flood
Light Plant	Isuzu 40kw
BOP Equipment:	Spherical BOP, 35Mpa x 179.4mm Type 81 double gate BOP, 35 Mpa x 179.4mm 35Mpa x 35Mpa (21/14Mpa tapped) 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
Accumulator	Class III - 21Mpa - 40 gallon - 3 station

HANDLING EQUIPMENT	
Tubing tong	5893R w/ air backups
Air slip	Cavan C
Tubing elevator	Big D 100T
EUE equipment	60.3mm, 73mm and 89mm
Hand slip	Unity mission style
Sucker rod equipment	19mm to 25mm sucker rod equipment
Matting per rig	(2) 8'x45' rig mats and (1) 8'X20' stabbing mat
Other per rig	Catwalk with (2) fold out piperacks, load rating 50,000 lbs/side

SAFETY EQUIPMENT PER RIG	
H2S gas detector	(1) piston tube type
LEL monitors	(2) personal 4 head
SCBA	(2) MSA air packs w/ (2) spare bottles
Other	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	
Pump	Oilwell 340
Fluid End	101mm plungers x 125mm stroke x 42Mpa Six valve reverse circulating manifold x 35Mpa
Engine	Detroit diesel 60 series 375 hp
Transmission	Allison CLT 5860DB
Charge pump	Mission 101mm x 275mm

RIG TANKS	
Tank volume	30m ³ w/ external tank gauges – (2) compartment
Configuration	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

BOILERS	
Configurations	(3) 60 hp York Shipley - skid (3) 80 hp Volcano - skid