

RIG 45 - INTERNALLY GUYED SINGLE

Max Depth Capacity: 9,150'

Class II / III

MAST

Mast Type	<i>Stiff Single</i>	Drill Line Size	1"
Mast MFG	<i>CARE Industries</i>	Number of Lines	4
Static Hook Load (lb)	<i>150,000</i>	3:1 Capacity (lb)	<i>125,000</i>
Mast Clear Height	<i>72'</i>	2:1 Capacity (lb)	<i>188,000</i>
Racking Cap. (3-1/2")	<i>6,890'</i>	Sandline Size	<i>1/2" (9,840' Max)</i>
Racking Cap. (2-7/8")	<i>8,200'</i>	Racking Cap. (2-3/8")	<i>9,150'</i>

Hoisting Service Line API Specification for EIPS 6 x 26 is:

3 : 1 Safety factor hoisting; 2 : 1 Safety factor pulling on stuck pipe and similar infrequent operations.

INTERNAL GUYED COMPONENTS

Rig Beam MFG	<i>CARE Industries</i>	Geronimo Plate MFG	<i>CARE Industries</i>
Turnbuckles MFG	<i>CARE Industries</i>		

CARRIER

Carrier MFG	<i>CARE Industries</i>	Drawworks Drive	<i>CAT C11</i>
Drawworks Model	<i>ALCO 42X10</i>	Drive Rating (hp)	<i>350</i>
Rated Power (hp)	<i>350</i>	Transmission	<i>Allison OFS 4700</i>
Main Drum Brake Size	<i>42" x 10"</i>	Sandline Drum Brake Size	<i>38" x 8"</i>
Auxiliary Brake	<i>Kobelt 40" Disc</i>		

OVERHEAD EQUIPMENT

Block Type	<i>McKissick 75T</i>	Block Capacity (ton)	<i>75</i>
Bails Type	<i>King Oil Tools 150T</i>	Bail Capacity (ton)	<i>150</i>
Rod Hook Type	<i>O'Bannon 25T</i>	Rod Hook Capacity (ton)	<i>25</i>
Tbg Elevator Type	<i>Mud King / AOT</i>	Tbg Elevator Size	<i>2-3/8" to 3-1/2"</i>
Rod Elevator Type	<i>Mud King Plate Type</i>	Rod Elevator Size	<i>3/4" to 1"</i>

HANDLING EQUIPMENT

Tbg Tongs Type	<i>Gill 58-93</i>	Tbg Tongs Size	<i>2-3/8" to 3-1/2"</i>
Rod Tongs Type	<i>Gill 300</i>	Rod Tongs Size	<i>3/4" to 1"</i>
Rod Backoff Tool Type	<i>BJ</i>	Rod Backoff Tool Size	<i>5/8" to 1"</i>
Air Slips Type	<i>C</i>		

BOPs (NACE)

Annular MFG	<i>HRSB</i>	Pressure Rating & Size	<i>5,000 psi, 7-1/16"</i>
Double Gate MFG	<i>HRSB</i>	Pressure Rating & Size	<i>5,000 psi, 7-1/16"</i>
Kill Spool Pressure Rating & Size			<i>5,000 psi, 7-1/16" c/w 2" Outlet and Valve</i>
Safety Valve Pressure Rating & Size			<i>5,000 psi, 2-7/8" & 3-1/2"</i>
Hydraulic Regan Pressure Rating & Size			<i>3,000 psi, 3" (Type - K)</i>

ACCUMULATOR

Class II			
Accumulator MFG	<i>Control Technology</i>	Max Operating Pressure (psi)	<i>3,000</i>
Accumulator Vol. (US gal)	<i>20</i>	# of Stations	<i>2</i>

ACCUMULATOR

Class III

Accumulator MFG	<i>Control Technology</i>	Max Operating Pressure (psi)	3,000
Accumulator Vol. (US gal)	40	# of Stations	3

SAFETY EQUIPMENT

Fire Extinguisher Size (qty)	30 lb (4)	Gas Detector	Yes
SCBA Quantity	2 w/ Spare Bottle	LEL Monitor	Yes
Self Retracting Lifeline (qty)	2	Crown Saver	Yes
Tension Limiter	Yes	Pipe Ram Saver	Yes

MOBILE DOGHOUSE

Generator Sets	<i>Yanmar</i>	Prime Rating (hp)	53.6
Change Room Size	15' x 9'-4"	Bathroom Facilities	Yes
Generator House Size	15' x 9'-4"		

MOBILE PUMP & TANK (OPTIONAL EQUIPMENT)

Truck MFG & Model	<i>Freightliner 2007</i>	Mud Pump Drive	<i>CAT C11</i>
Pump MFG & Model	<i>SJ Petro 300</i>	Pump Drive Rating (hp)	350
Pump Rated Power (hp)	350	Pump Pressure (psi)	5,000
Pump Stroke Length	5"	Centrifugal Pump Size	4" x 3"
Manifold Valve Quantity	7	Transmission	<i>Allison 4500 RDS</i>
Manifold Rating (psi)	5,000	# of Tank Compartments	2
Total Tank Volume (bbl)	214	Line Pipe Rating (psi)	5,000

MISCELLANEOUS EQUIPMENT (OPTIONAL)

Low Lying Slips Type	<i>Bosch</i>	Low Lying Slips Size	<i>As Required</i>
Personal H ₂ S Monitor	<i>As Required</i>	NORM Radiation Monitor	<i>As Required</i>
Catwalk	<i>Conventional</i>	Pipe Racks	<i>As Required</i>
Drill Out Head	<i>As Required</i>	Mud Can	<i>As Required</i>
Skid Boiler (hp)	80		

Standard specifications represent the typical rig configuration, but could be subject to slight modifications from time to time due to customer requirements.