

**ASR™ 150**  
Automated Service Rig

# POWER WITH PURPOSE

The industry's most advanced  
automated service rig

**ASR™ 150**  
Automated Service Rig

**ENSIGN®** | well  
servicing

**Our customers  
asked for an  
automated service  
rig for multi-well  
programs.**

**And a rig for large  
diameter tubulars.**

**We used our  
decades of  
experience –  
to deliver both.**



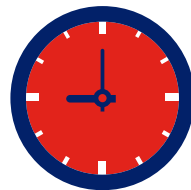
**ERGONOMIC AND INTEGRATED.** The fully automated ASR™ 150 eliminates all manual manipulation of tubulars from the pipe rack to make-up of a connection. Engineered to operate in vertical or slant mode, the integrated design incorporates many of the peripheral services normally contracted out during well servicing.



**SAFETY WITH EVERY CONNECTION.** The ASR 150 was designed and is being built by Ensign Energy Services, a worldwide leader in oil and gas safety. The ASR 150 reduces the need for rig personnel on the work floor. From automated controls to the quality of the BOP handling system, the ASR 150 is designed to keep every worker safe, every day.

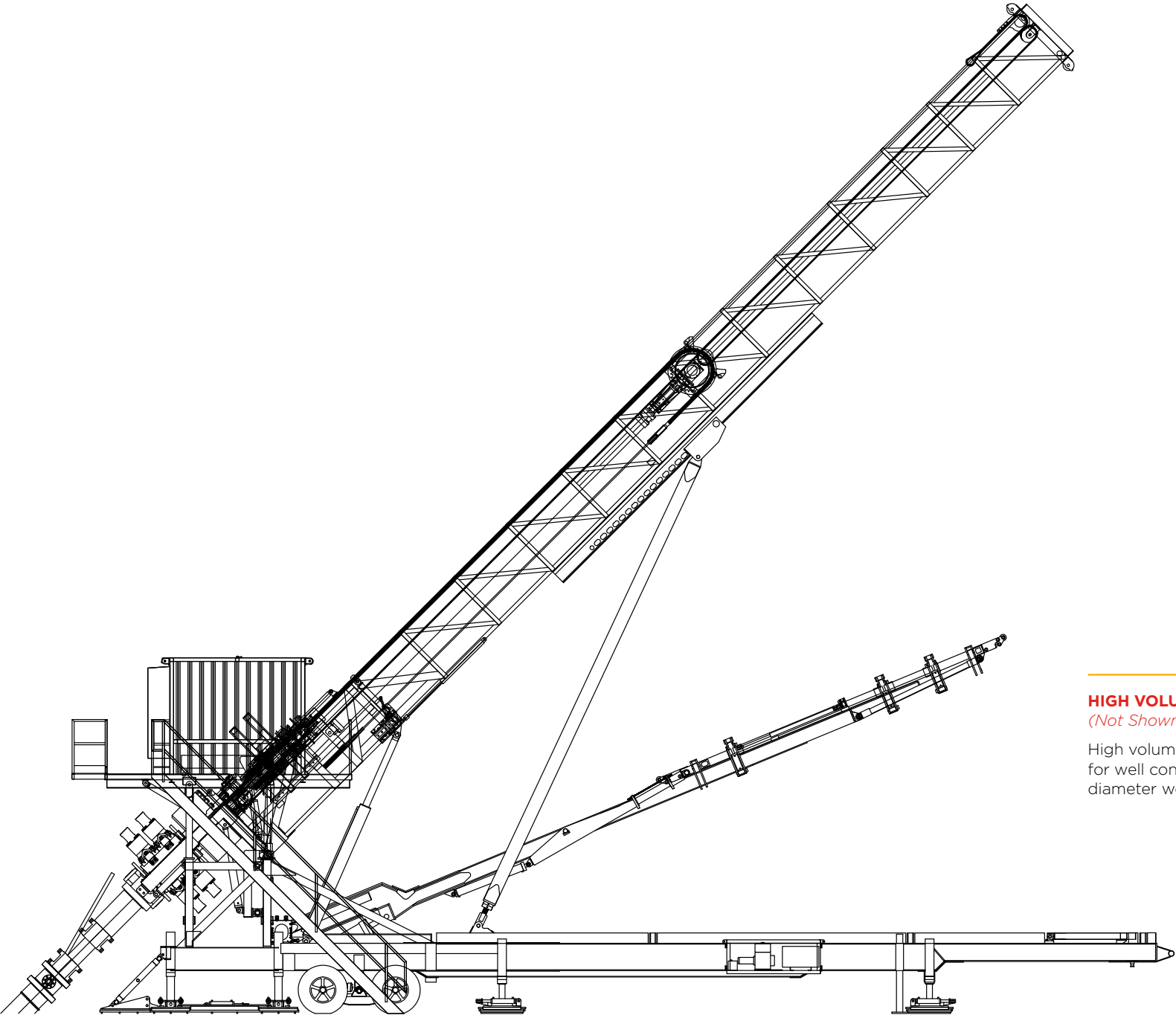


**PURPOSE-BUILT FOR INDUSTRY.** The ASR 150 was designed and purpose-built to meet the demands of well pad projects and SAGD programs. Incorporating proprietary technology developed by Ensign, the rig design benefits from Ensign's 20 years of experience building and operating more than 60 hydraulic ADR®s worldwide.



**FASTER AND EASIER MOVES.** Ensign's engineered solution makes for fast and efficient moves between wells. The ASR 150 and all of its equipment is on a wheeled carrier, which eliminates the logistics and time required for equipment moves using skids. Plus the ASR 150 is legal road transport in Western Canada for efficient moves between locations.

# ASR™ 150 – Fully automated and integrated service rig.



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**HIGH VOLUME PUMP**  
*(Not Shown)*

High volume tri-plex pump for well control in large diameter well bores.

# We built the ASR™ 150 to exceed expectations.



## Ensign ASR™ 150 Specifications

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	Imperial	Metric
Hook load	200,000 lbs	88,967 daN
Pull down capability	40,000 lbs	17,793 daN
Slant mast capability	0-42°	0-42°
Mast clear working height	52'	15.8 m
Crown	200,000 lbs	88.967 daN
Control cabin	PLC control, HMI monitoring	
Picker	5 ton	4,500 kg
Power tongs	7 5/8" Universal tong c/w back up	
Slip pullers	Hydraulic	Hydraulic
Pipe handling range 3	7,500 lbs	3,336 daN
Substructure clear working height	18'6"	5.64 m
BOP handling capacity	30,000 lbs	13,607 kg
Well alignment	X-Y	X-Y
Top drive load capacity	240,000 lbs	106,757 daN
Generator power total	590 hp	440 Kw
Mud pump	600 hp	448 Kw
Active mud volume	226 bbl	36 m <sup>3</sup>
Accumulator (5 station) API 16D	240 gallon	908 litre
Pipe racks & indexes in-out	Hydraulic	Hydraulic



Ensign Energy Services Inc.

400 - 5 Avenue SW, Suite 1000 Calgary, AB T2P 0L6  
TEL 403.262.1361 info@ensignenergy.com [ensignenergy.com](http://ensignenergy.com)