

# NUADA

Rev02\_July 2023



## GENERAL INFORMATION

<b>Rig Type</b>	Jack Up, Marathon LeTourneau 82 SD-C
<b>Rig Design</b>	Self-elevating independent legs, cantilever
<b>Accommodation Capacity</b>	104
<b>Helideck</b>	Sikorski S-61N
<b>Hull Dimensions (length, width, depth)</b>	207 ft x 176 ft x 20 ft
<b>Min/Max Water Depth</b>	13 to 250 ft
<b>Max Drilling Depth</b>	25,000 ft
<b>Cantilever Max Load</b>	1,450,000 lbs
<b>Rotary Reach</b>	40 ft longitudinal; 12ft transverse either side of Centerline
<b>Legs length / leg length below hull</b>	360 ft (including spudcans 21.45ft) / 308 ft
<b>Spudcan Diameter / bearing area</b>	40 ft / 1,235 ft <sup>2</sup>
<b>VDL (Operating) / VDL (Transit)</b>	4,575 kips / 3,085 kips
<b>Jacking System</b>	LeTourneau AC electric rack and pinion system, 12 each leg, 1.0ft/min speed

## DRILLING EQUIPEMENT

<b>Derrick</b>	<b>Make - L x W x H</b>	NOV – 160 ft x 30 ft x 30 ft
	<b>Max. Hook Load</b>	1,300,000 lbs with 14 lines strung
	<b>Racking capacity</b>	217 stands 5' DP (6-5/8" tool joint)
	<b>Setback load</b>	450,000 lbs
<b>Top Drive</b>	<b>Make Model</b>	VARCO TDS-4H
	<b>Output Power</b>	1,150 hp
	<b>Rated Capacity</b>	650 ton, 62,000 ft-lb max continuous torque, 270 rpm max speed
<b>Drawworks</b>	<b>Make Model</b>	National 1320-UE
	<b>HP Rating</b>	2,000 hp
	<b>Brakes</b>	Baylor 7838W
<b>Torque Wrench</b>	NOV ARN 3200 Iron Roughneck, M/up 100,000 ft-lb – B/out 120,000 ft-lb, 3-1/2" to 9-3/4"	
<b>Rotary Table</b>	National D-375, 37-1/2" with DC drive, 800 hp and 650 ton rated capacity	
<b>Travelling Block</b>	NOV B-650, 650 ton rated capacity, 60" shaves with 1-3/8" line groove	

WELL CONTROL SYSTEM	
Diverter	T3 Model 7012 29-1/2" x 500psi
Annular	13-5/8" Shaffer Spherical x 5,000 psi
BOP	13 5/8" Cameron Type-U 10,000 psi double & single BOP (Double: BSR, VBR, Single: PR)
BOP Outlets	4 x 4-1/16" BX 155 side outlets each DBL
BOP Control System	NOV/Koomey LR-41374 1,000 US gal reservoir, 3,000 Psi working pressure Accumulator Capacity without precharge: 352 US gal (BOP 32 x 11 US gal)
Choke Manifold	T3 Energy Services, 10,000 psi H2S Service

MUD SYSTEM		
Mud Pumps	Number x Make Model HP Rating Max Pressure	3 x National 12-P-160 Triplex 1,600 hp each pump 5,000 psi
Shale Shakers	3 x VSM 300, double deck with scalping	
System max pressure	5,000 psi	
Degasser	NOV Brandt DG 10/12, 3,785 lpm	

CRANES	
Crane 1 (Port - Aft)	LeTourneau PCM-120 AS, 100 ft boom, 35T SWL at 75.5°
Crane 2 (Stbd - Aft)	LeTourneau PCM-120 AS, 100 ft boom, 35T SWL at 75.5°
Crane 3 (Stbd - Fwd)	LeTourneau PCM-120 AS, 100 ft boom, 35T SWL at 75.5°

POWER GENERATION	
Main Engines	3 x EMD 12-EB, 1,650 hp each
Generators	3 x EMD AB20-N6 1,180kW 600V
Emergency	1 x Caterpillar 3508, Max 912 hp at 1,200 rpm

STORAGE CAPACITY			
Fuel	1,599 bbl	Potable Water	983 bbl
Drill Water	5,481 bbl	Bulk Mud	1,938 ft <sup>3</sup>
Liquid Mud	1,293 bbl	Bulk Cement	3,850 ft <sup>3</sup>
Brine	1,170 bbl	Bulk Barite	1,938 ft <sup>3</sup>
Base Oil	687 bbl	Sack Room	2,500 sacks

TUBULARS			
Drill pipes	• 473 jt x 5" S135 NC50 Range 2	• 182 jt x 3-1/2" S135 NC38 Range 2	
HWDP	• 45 jt x 5" NC50 HWDP Range 2	• 15 jt x 3-1/2" NC38 HWDP Range 2	
Drill Collars	• 3 jt x 8-3/4" DC 6-5/8 REG Range 2	• 22 jt x 8-1/4" DC 6-5/8" REG Range 2	
	• 22 jt x 6-3/4" DC NC50 Range 2	• 15 jt x 4-3/4" DC NC38 Range 2	