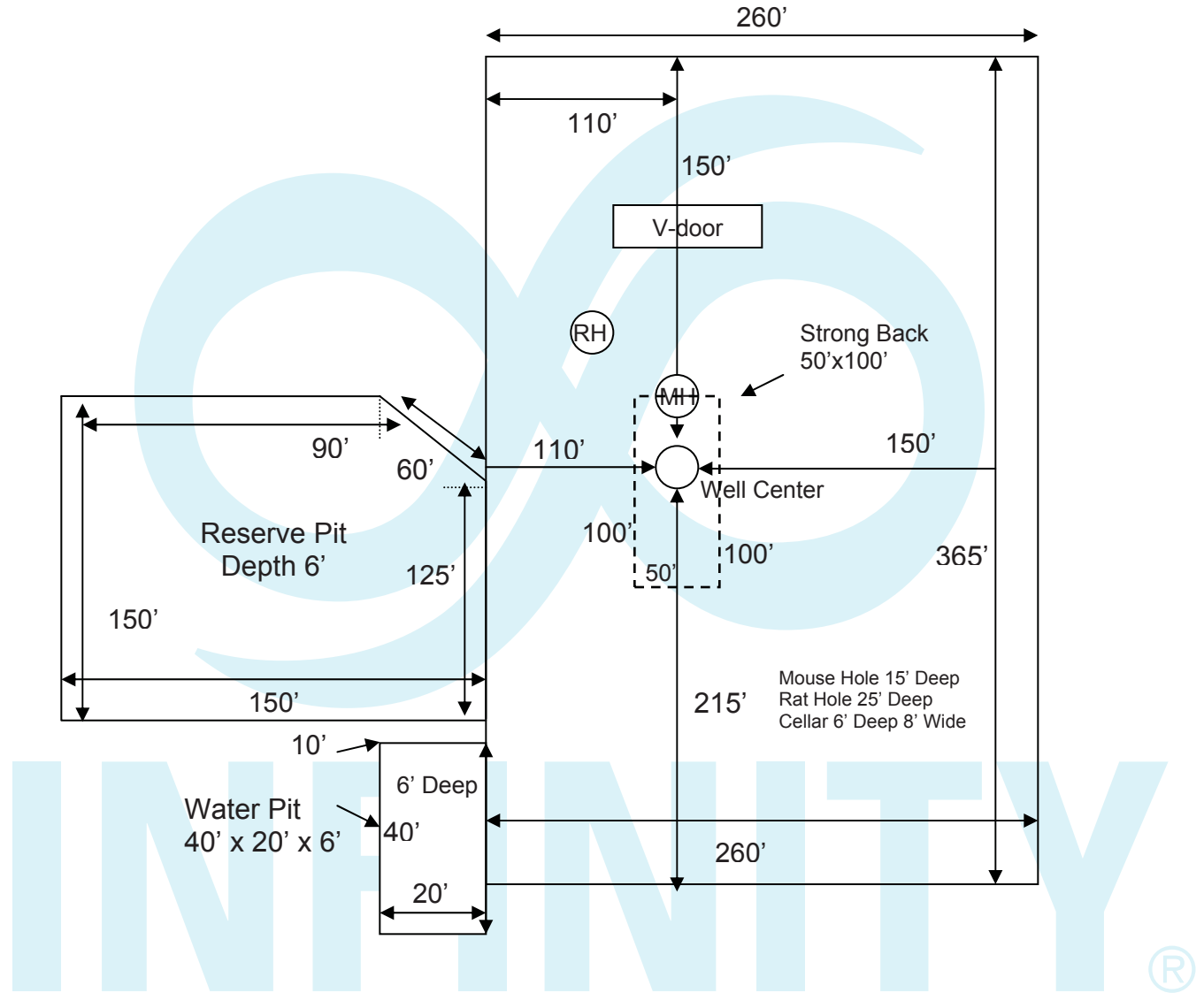


GA PHOENIX™

GEMINI 750 by ORION

DRAWWORKS:	ALTA Rig Drawworks 1500HP Powered by one GEB-28, 1500HP AC Traction Motor
ENGINES:	Three (3) Cummins KTA50 diesel engines each rated at 1470HP
GENERATOR SETS:	Engines Unitized with AVK 1100KW Generators
MAST:	National "Ideal" 136' working height mast with 750,000# hook load. Facilitates 208 stands of 5" DP and 10 stands of 8" DC
SUB STRUCTURE:	National "Ideal" 25' hydraulically telescoping substructure rated at 750,000# rotary load with 400,000# simultaneous setback. Rig Floor and substructure use and integrated drainage system for maximum fluid containment
ROTARY:	Emsco type 37-1/2" Rotary, powered by a hydraulic drive motor
BOP:	One (1) 11" 10M Shaffer Type Double Ram BOP One (1) 11" 10M Shaffer Type Single Ram BOP One (1) 11" 5M Shaffer Type annular One (1) Koomey 6 station accumulator, API 16E. a 10M flexible choke line and 4" X 4" 10M choke manifold
MUD PUMPS:	Two (2) BOMCO triplex mud pumps (rated 1600HP) each pump is equipped with a GEB-29 AC traction motor rated at 1500HP
MUD SYSTEM	848 Barrels Total Active Capacity. Two Covered 424 Barrel Tanks with round bottoms and electric agitators for optimum mixing/blending and ease of clean out. Each tank contains two 5 X 6 X 75HP centrifugal pumps. Hopper is remote for ease of use with bulk tanks. Three Brandt King Cobra Shakers, Brandt DG-10 degasser and Brandt 16 Cone desilter are all unitized on a hydraulically raised mud processing skid. A separate skid incorporates one 106 barrel trip tank with 2X3X40HP centrifugal pump.
TOP DRIVE:	Canrig 350 Ton AC (with "Rockit" Capability)
OVERHEAD STRING:	One (1) 400 ton, six sheave block, with a 12 line string up of 1-3/8" line
DRILLER CONTROLS:	Omron Electronic Driller and VFD House. AC drives regulate drawworks, mud pumps and top drive. AC Drive technology is integrated with PLC technology. Motor control systems actuate remaining auxiliary and peripheral loads.
DRILL PIPE:	10,500' of 5" drill pipe of sufficient grade and weight to provide 100# margin over pull.
DRILL COLLARS:	3-8" 21-6 1/2" drill collars.
AUXILIARY EQUIPMENT:	Walking System Automatic Catwalk Iron Roughneck Mathey wireline unit with 25,000' of .092 wireline Motorized drill line spool Toolpusher and crew quarters Meeting and Change House Combo with A/C Hot Water Power Washer Hydraulic Pipe 0-7 degree drift indicator electronic drilling recorder



LOCATION PLAT WITH STRONG-BACK

GA PHOENIXTM

GEMINI 750 by ORION



For more information - oriondrilling.com

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