



easternwell[™]
GROUP

RIG #100

Lightning 1000K Land Rig



GEODYNAMICS
LIMITED



General Particulars

Depth Rating:	6,000m	Max Hook Load:	1,000,000 lbs
Nominal Class:	2,000 HP	Pressure Rating:	7,500 psi

Substructure

Make:	Lewco	Type:	Slingshot
Rotary Loading:	1,000,000 lbs	Setback Loading:	600,000 lbs
RT Height:	30 ft	Clear Height:	26.5 ft

Mast

Make:	Woolslayer	Type:	Cantilever
Height:	147'	Gross Nom Capacity:	1,166,667 lbs
Max Lines:	12	Max Hook Load:	1,000,000 lbs

Drawworks

Make:	Lewco	Model:	LDW1000K
Max Input HP:	2,000 HP	Drilling Line:	1-1/2"
Auxiliary Brake:	Eaton WCB 436	Main Brake:	AC Resistive
Drive:	2 x OEM TT1500 AC Vector Motors; 1500 HP Continuous		

Top Drive

Make:	Lewco	Model:	L-DDTD-500
Max Static Load:	500 Ton	Max Rotating Load:	413 Ton
Max Rotation:	240 RPM	Max Cont Torque:	50,000 ft-lbs

Rotary Table

Make:	Lewco	Model:	L-375
Max Static Load:	800 Ton	Max Opening:	37-1/2"
Max Rotation:	350 RPM	Motor:	1150HP AC

Mud Pumps x 2

Make:	Lewco	Model:	WH-1612-HP
Type:	Triplex	Max Pressure:	7,500 psi
Stroke:	12"	Max Piston:	7-1/2"

Mud System

Active Capacity:	1429 bbl	Batch Mixing:	10' Round Tank
Shakers:	3 x King Cobra	Mud Cleaner:	3 x 12" 24 x 4"

Well Control System

Spherical BOP:	Hydril GXS 5,000	Choke Manifold:	4" 10,000 psi
Gate BOP x 3:	Cameron U 10,000	Control System:	CAD 7 Station

Power Generation System

4 x CAT 3512 x Kato 1950 kVA generators; through OEM Variable Frequency Drive

Drillstring

Size:	5"S-135 19.5 lb/ft	Length:	16,000 feet
--------------	--------------------	----------------	-------------