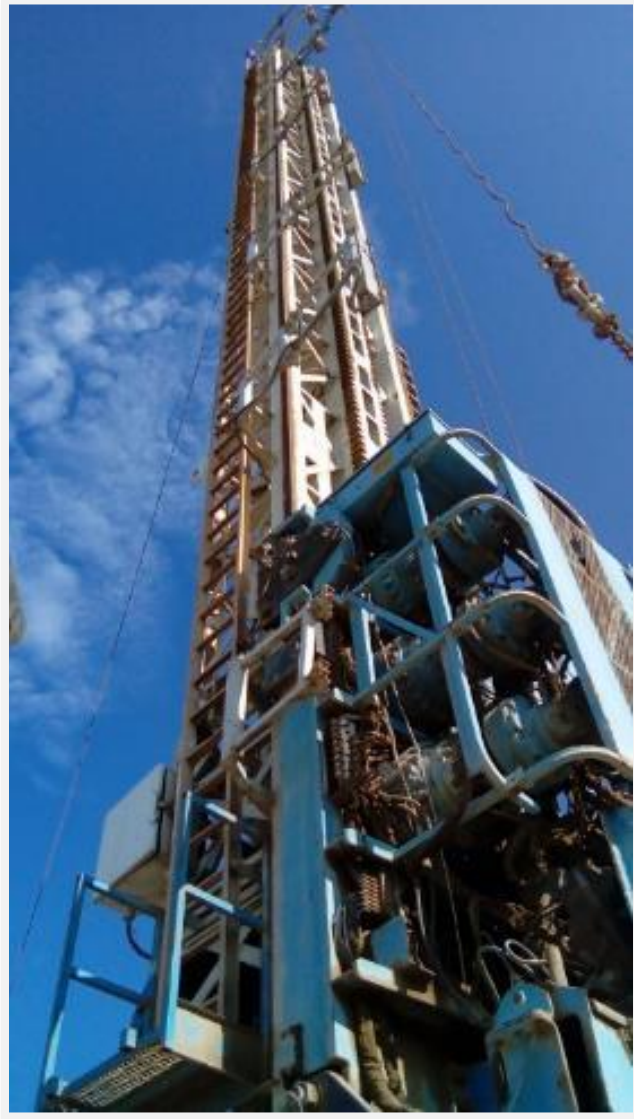




American Directional Drilling VR-500
Hydraulic 1500 HP Land Drilling Rig





Principal equipments and characteristics	
Equipment	Characteristics
Mast and substructure	Brand: American Directional Drilling / Gefco
	Model: VR500
	Height mast: 93 Ft
	Height substructure : 14 Ft, telescopic
	Cap. load: 500,000 Lbs.
	Rotary table 27 ½"
	Drilling Rig Trailer (04 axes)
Power Unit	02 CAT C-18 Tier III, Diesel engine
	Rating: 750 HP @ 2100 RPM (total 1500 HP)
	Fuel capacity: 70 U.S. gallons
	Battery: two, DEKA 908 DMF, 12V,1450 CCA
	Hydraulic Tank oil Capacity. 500 U.S. gallons
Top Drive	Brand: American Directional drilling
	Model: VR500
	Capacity: 500 000 LB. @ 44 ft / min
	Torque: 30,000 lb.ft
Power tong	Speed Rotary Max.: 137 RPM
	Max. Make up: 65,000 lb.ft
	Max. Break out: 80,000 lb.ft
	Range pipe: 3 1/2" to 6 5/8"
Pipe Handler	Tool joints: 4 1/8" to 8 1/2"
	DRILL PIPE RANGE III: 45 pies
	Max. Diameter Casing: 20"
	Max. Diameter Drill Collar: 8"
	Turn 90° for lift pipe
	Turn 180° for catch pipe



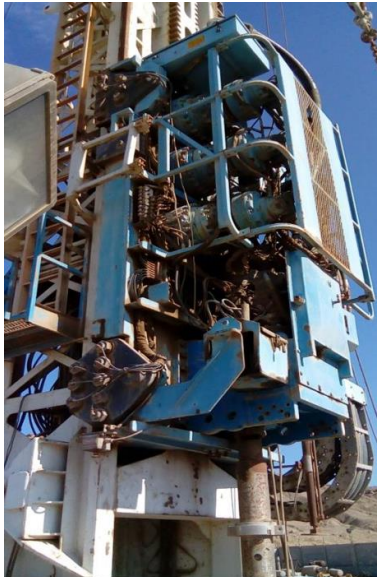
<u>Mud pumps</u>	Brand: <u>White Star</u>
	Quantity: <u>03</u>
	Model: <u>WS-1300</u>
	Power: <u>1300 HP</u>
	Stroke length: <u>12"</u>
<u>Power generators</u>	<u>Power electric : 03 Amerimex DC 1130 HP</u>
	<u>04 Generators Western 800 KW, 600 VAC</u>
	<u>04 Power Diesel CUMMINS QST23 1220 HP, 1800 rpm</u>
	<u>01 SCR, 1400 AC, NOV, for 04 engines 600 Vac</u>
<u>Mud tanks and Equipment Solids Control</u>	<u>01 VDF Drive house, 1250 AF</u>
	<u>02 Mud Tanks 600 bbls w/ agitators 10 HP, Centrifugal pumps 6 x 8</u>
	<u>02 Shaker Mongoose PT MI Swaco, 600 GPM</u>
	<u>01 mud cleaner MI Swaco, 12D-8T4, 1200 GPM</u>
<u>Blow out preventer</u>	<u>01 Degasser Vacuum Mi Swaco, 1000 GPM</u>
	<u>01 Annular BOP 13 5/8" X 5M, HRSB, Spherical</u>
	<u>01 Double rams BOP 13 5/8" X 5M, HRSB</u>
	<u>01 Annular BOP 11" X 5M, Shaffer, Spherical</u>
	<u>01 Double rams BOP 11" X 5M, Shaffer, type LXT</u>
<u>Choke manifold</u>	<u>01 Annular BOP 7 1/16" X 5M, HRSB, Spherical</u>
	<u>01 Double rams BOP 7 1/16" X 5M, HRSB</u>
	<u>12 Gate valve 3 1/8 x 5000 PSI</u>
<u>Accumulator</u>	<u>02 Pneumatic valve 2 9/16" x 10,000 PSI WP (superchoke)</u>
	<u>01 valve 3 1/8" x 5000 PSI WP (Manual needle)</u>
	<u>Capacity 180gln, 03 neumatic pump, 02 electric pump triplex, reserve tank 240 gln.</u>

Year of Manufacture 2010

Last Used May 2014

Nominal Drilling Depth 10,000-13,000 Feet

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