

TECHNICAL SPECIFICATIONS – FOXE 201,202,203,204
EQUIPMENT LIST

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Ref	Item Description	Specifications
A	GENERAL CHARACTERISTICS	
A.1	General	
	Rig Name Type or Model Manufacturer	Foxxe 201, 202, 203, 204 Hydraulic Super Single – TXD 200 Schramm
A.2	Operating Capabilities	
	Depth rating with 5 inch Drill Pipe (ft): Maximum rated static hook load (lb): Gross nominal capacity (lb): Maximum top drive load (lb): Maximum operating wind speed (kt):	10,000' 200,000 200,000 200,000 93

B.	DRILLING EQUIPMENT	
B.1	Telescopic Mast	
	Mast height (ft): Top drive travel (ft) : Gross Nominal Capacity (lb): Pull-down capacity (lb):	52'10" 50' 200,000 32,000
B.2	Substructure	
	Trailer Mounted, Highly mobile configuration complete with automated pipe handler.	
	Clear height below rotary beams (ft): Casing capacity (lb):	13 (Adjustable) No Rack Back Capability
B.3	Feed Line System	
	Sheaves Line size (inch): Breaking Strength (Tons):	2 x 27" PD Nylatron 1 1/2" OD 8x26 Wire Rope 128.2
B.4	Top Head Drive System	
	Swivel Maximum Pressure Top Drive Maximum RPM: 0 – 90 Maximum RPM: 0 – 180 Rotation HP	Chevron Packing 3" ID 3000psi High Torque Char-Lynn 10,000 Series Motors Torque 17,500 ft-lbs Torque 7,670 ft-lbs 367 Hp
B.5	Pipe Handling & Hoisting	
	Pipe Handling Hoist Capacity (lbs): Hoist Speed :0-130,000 lbs 131,000-180,000 lbs	Automated 200,000 134 ft per minute 100 ft per minute
B.6	Rotary Table	
	Mast Base Spider Bowl	30.25" opening Hydraulically retractable

MUD SYSTEM		
C.1	Mud Pumps	
	Mud Pump make/model: Quantity: Output (Combined)(GPM): Liner sizes available (inch): Super charging pump make/type: Motor rated capacity (HP): Pulsation dampener make/type: Pressure rating (psi): Gauge Make	Gardner Denver style MPZ9 2 486 w/6" liners @ 147 rpm 3000 psi max 4.5, 5, 5.5, & 6 MCM 5"x 6" 750 K20 20 Gallons 5000 Cameron Type D
C.2	Stand Pipe	
	Stand pipe type/size (inch): Pressure rating (psi): Gauge Make/type: Pressure range (psi):	3" Schedule 160 A106 2.6" ID 5000 Cameron Type D 0-5000 psi
C.3	Solids Control Equipment	
	Make/Model: Quantity: Dimensions (inch, L x W x H): Screening Area (ft ²): Weir Height (inch) : VGS (G Force Adjustable to): Super Cyclone Quantity per Shaker: Make/Model: Rate (GPM): Separation Cutting Size (microns):	Derrick Shaker FLC 5032 2 63 x 118 x 73 24.9 - 35.7 39 7.3 Continuous G Force 20 - 16 Hydrocyclone 4" Derrick Mud Cleaner (Shaker w/ Round Desilter) 1000 GPM (50 GPM / 01 Hydrocyclone) 20 Microns (discard)
C.4	Mud Mixing	
	2 high efficiency shearing hoppers venture type mixing hoppers capable of 3-4m ³ /min.	
C.5	Mud Tanks	
	Capacity (bbl): Dimensions (ft, L x W x H): Pill Tanks Quantity: Total Pill Tanks Volume (bbl): Settling Tanks Volume (bbl): Trip Tank Volume (bbl): Level indicator make/type: Electric pump make:	700bbl 40 x 10 x 6.5 (Each Tank) 1 100 44 44
C.6	Water Tanks	
	Located below the telescoping dog house.	
	Capacity (bbl):	377

D	Rig Power	
D.1	Rig Power System	
	<u>1st Main Drilling Unit Engine</u> Make/Model: Quantity: Prime Power (HP): Engine Speed (rpm):	Detroit Engine DDC/MTU 1 760 1800
	<u>2nd Set of Engines for power generation</u> Make/Model: Quantity: Prime Power (Each Gen. kW): Generator Alternator Make/Model: Phasing/Voltage :	John Deere 2 360 John Deere/Marathon 480V 60Hz 3Ph
D.2	Fuel Tanks	
	Rig site fuel tank capacity (bbl): Fuel transfer pump make:	145.3 BBLs Baldor/.5 HP T4
D.3	Hydraulic System	
	Quantity hydraulic fixed pumps : Quantity hydraulic variable pumps: All hydraulic circuits are filtered to: System capacity (Gallons):	3 7 7 microns. 210

E	BLOWOUT PREVENTER, CONTROL EQUIPMENT AND ASSOCIATED EQUIPMENT	
E.1	Annular Preventer	
	Annular Preventer make/type: Size: Working pressure (psi)	Shaffer 11" 5000
E.2	Ram Type Preventer	
	Double ram BOP make/type: Size: Working pressure (psi): Top/bottom connection:	Shaffer LWS-LXT Double 11" 5000 11" 5m Studded
E.3	Rams for Ram Type Preventer	
	Blind Rams 11" Fixed-Bore Pipe Rams 4"	1 set 1 set
E.4	Accumulator Unit and Controls	
	Accumulator unit make/type: Located at: Number/Total capacity of bottle (gal): Working pressure (psi): Reservoir capacity (gal): Quantity of air pumps: Make/type: Quantity of electric pump: Make/type: Quantity of remote unit: Located at:	USA Oil Tools 25m from well center & 9m from TP trailer 12/11 3000 210 2 M-Series model UA2HS10A 1 M-Series model U81hb460 1 Rig floor
E.5	Choke Manifold	
	Choke manifold make/type: Quantity of valves: Make/type: Pressure rating (psi): Drilling chokes quantity: Make/type: Pressure rating (psi):	MCM 8 MCA 5000 2, 1 manual, 1 remote operated MCA 5000
E.6	Mud Gas Separator	
	Mud gas separator make/type: Minimum internal diameter (inch): Gas vent line internal diameter (inch): Gas vent line length (ft):	Swaco Style 48" 7 100'
E.7	Safety (Stabbing) Valves	
	Quantity: Make/type: Size/connection: Pressure rating (psi):	2 TIW Gray/Inside BOP 4"FH x 4"FH/ 4"FH 5000
E.8	Coflexip Hose For BOP/Choke Manifold	
	Fire proof, acid resistant, steel-banded flexible hose for connecting the BOP stack to the choke manifold.	2 30 FT 4"
	Quantity: Make/type: Size(inch): Pressure rating (psi):	2 USA 3-1/8" ID 5,000
	Quantity: Make/type: Size(inch): Pressure rating (psi):	1 USA 2-1/6" ID 5,000

F RIG FLOOR HANDLING EQUIPMENT	
F.1	Automated Pipe & Casing Handling System
	Tubular Length (ft) : 47 Max Tubular Dia (inch): 10 ³ / ₄ " Slide Travel (ft) : 8 Load Height (inch) : 42 Size Range of pipe: 3 ¹ / ₂ " to 10 ³ / ₄ "
F.2	Power Breakout with Slips
	Maximum clamp force (lb) : Adjustable to 47,000 Maximum make-up torque (ft lb) : 53,000 Maximum break-out torque (ft lb) : 53,000 Manual tong sizes and numbers : 0
F.3	Bit Subs
	List the details of bit subs as follows: Quantity: 1 Size (inch) 4 ¹ / ₂ " x 6 ⁵ / ₈ " Reg.
F.4	Lifting Winch
	Load capacity (lb): retracted 12,000 Load capacity (lb): extended 5,000 Located at: Top right hand side of the outer mast Type of brakes : Automatic- Spring Applied, Hydraulic Release
F.5	Drill Collar Safety Clamp
	Quantity: 1/Rig Size range (inch): 6 ³ / ₄ "
F.6	Mud Saver Bucket
	Mud Saver Buckets with return hose to discharge into flow line or enviro tray

G DRILL STRING	
G.1	Drill Pipe
	9,000' of 4"FH drill pipe, Range II, S-135
G.2	Hevi-Wate Drill pipe
	15 joints of 4" FH HWDP
G.3	Drill Collars
	20 jts. Grant-Prideco 6 ¹ / ₄ " x 2 ¹ / ₄ " drill collars 4 1 ¹ / ₂ " XH Connections

H DRILLING INSTRUMENTATION AND CONTROL EQUIPMENT	
H.1	Driller's Console
	Drilling display package on rig floor & in a portable case with 75' wiring harness for remote viewing at TP cabin. Monitors rotation rpm, rotation torque, hook load, weight on bit, line pressure, make/break torque torques & all rig engines parameters in metric units. AOI gauges on the drilling console
H.2	Drilling Parameters Recorder
	Petron system with multiple sensors capable of real time monitoring

I AUXILIARY/MISCELLANEOUS EQUIPMENT	
I.1	Air Compressor
	Compressor Quantity: 1 Make/Type: Speedaire /IWD36 Rated Capacity (cfm): 76.7
I.2	Pipe Racks
	Racking capacity: 30 - 4" DP
I.3	Cellar Pumps
	4", 970 gpm, 480 vac, submersible trash pump 1
I.4	Crew Quarters
	TP Office & Accommodations 1
	Ex-Pat Driller & AD Accommodations 1
	QHSE Accommodations 1
I.5	Fork Lift Sky Track
	Sky Track Model 8042 8000 pound Lift Capacity 1