

This completely well test system have been sucessfully supply to CPTDC kaharstan branch. NIGER CHAD several countries.

CFR Egypt alexandria port: 800,000 USD only

payment terms:30%TT Advance andBalance 70%B/L copy against.

Delievery time:30-50days after receiving depositing.

Surface Well Testing Services

Overview Well Testing

A reservoir test can only be performed under dynamic conditions. This implies that the reservoir must be exposed to a disturbance that will cause the reservoir pressure to change. This pressure change, when recorded and interpreted along with the measured flow rates, will yield information about well and reservoir parameters and geometry. This period of the well experiences changes in pressure is called pressure transient. These fluids produced during pressure transients must be handled using temporary equipment. These equipment must be able to carry the following functions:

- Quickly control pressure and flow rates at the surface and shut the well.
- Separate the resulting effluents into three separate fluids (oil, gas and water) and accurately meter these fluids.
- Collect surface samples.
- Dispose of the resulting fluids in an environmentally safe manner.

Prior to setting up the equipment for a well test, the equipment layout must be defined. The layout diagram defines which pieces of surface testing equipment are to be used, identifies where the equipment is located, illustrates the sequence in which the equipment is connected, and shows the general piping.

Following are the different surface testing equipment:

1. Choke Manifold
2. Indirect Heater.
3. Production test separator three phase.
4. Data Header.
5. Gas & Oil manifold.
6. Well test laboratory.

Surface Production Equipment are as follows:-

1. Choke Manifold



Pressure Rating	5000 PSI
Max.Temp. RATING	250 F
Nominal size	3 1/8"
Max.Fixed&Adj.CK	2" (128/64)
Inlet, outlet connection	3" 1502
Service	H2S

2.

Indirect Heater



TYPE	Indirect Heater(diesel driven)
Power	2MMBTU
Pressure Rating	2500 Psi
Temperature rating	250F to -20 F
Coil size	3"
Inlet Manifold	3" gate valves 5000 Psi
Safety devices	Flame arrestor ,level indicator and Photo Cell
Service	H2S service
Over all dimensions	20'x8'x 8'

3. Production 3 phase separator



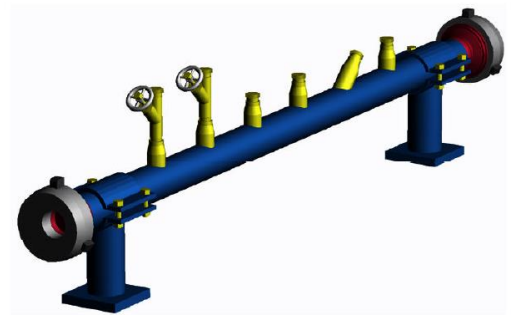
Type	3 phase test separator
Pressure rating	1440 PSI
Vessel dimensions	48"X10" SS
Max. oil capacity	15000 STB/D
Max.gas capacity	70 MM SCF/D
Max water capacity	10000 BBL/D
Gas metering devices	Daniel Senior meter 6" line size Diff.pressure cell
Oil meter	low range from 190BPD to 2000BPD High range from 1100BPD to 13000BPD)
Water meter	low range from 190BPD to 2000BPD High range from 1100BPD to 13000BPD)
Inlet &outlet connections	3" flanges Class 600
Gas Control	3" gas control valve 657 type normally open with Pressure control box
Fluid Controls	3"&2" pneumatic controls valves type 667 normally closed With Level controls (fisher).

Safety devices	2 safety relief valve.
Service	H2S
Design reference	ASME VIII ,Div 1
Over all dimensions	20'x8'x 8'

Data Header

APPLICATIONS

- Any well test or cleanup setup where additional pressure, temperature, sampling, or injection ports are needed on the upstream side of the choke manifold



Features

- Includes one pressure gauge port, one thermowell, and several sampling or injection ports
- Designed with the same ID and connections as the choke manifold, surface safety valve, or piping
- Normally designed with hammer unions for connecting straight to the choke manifold or surface safety valve
- Complies with API-6A (PSL-2 or -3, PR2) and H2S (NACE⁺ MR0175)



5. Gas Manifold



Pressure Rating	1440 PSI
Temp. Rating	250 F
Manifold valves	3" ball class 600
Inlet	3" thread 602
Outlets	3" wing 602
Surface	H2S
Design reference	ASME 31.9
Lifting	4 Pad eyes
Over all dimensions	7'x4'x 2'

6.

WELL TEST LAB



Includes the following:-

- Gas gravimeter (Ranrex)
- Set of orifice plates
- Daniel handles
- Barton/service recorder charts
- Clock key
- Manometer
- Reflect meter
- Ph papers
- Electric water bath

- Sample centrifuge/centrifuge glasses
- Set of hydrometers
- Set of needle valves
- Set of 1/2" ball valves
- WECO seals
- Set of pressure gauges
- Temperature gauges
- Hand tools/hammers
- General spares.