


NOTES

|                                  |        |
|----------------------------------|--------|
| Hole Center to Edge of Sump      | 10.67m |
| Hole Center to Crown Stand       | 39.78m |
| Hole Center to Cat Walk Skid     | 6.10m  |
| Hole Center to Pipe Rack         | 9.75m  |
| Hole Center to Second Pipe Rack  | 16.76m |
| Hole Center to end of Gen. Bldg. | 40.72m |

COMPONENT LIST

| Item No. | Description             |
|----------|-------------------------|
| 1        | Substructure            |
| 2        | Mud Tanks               |
| 3        | Dog House               |
| 4        | Tool House & Water Tank |
| 5        | Mud Pump Houses         |
| 6        | Generator Building      |
| 7        | Catwalk                 |
| 8        | Manifold Shack          |
| 9        | Pipe Racks              |
| 10       | Sump                    |
| 11       | Hole Center             |
| 12       | Drawworks               |

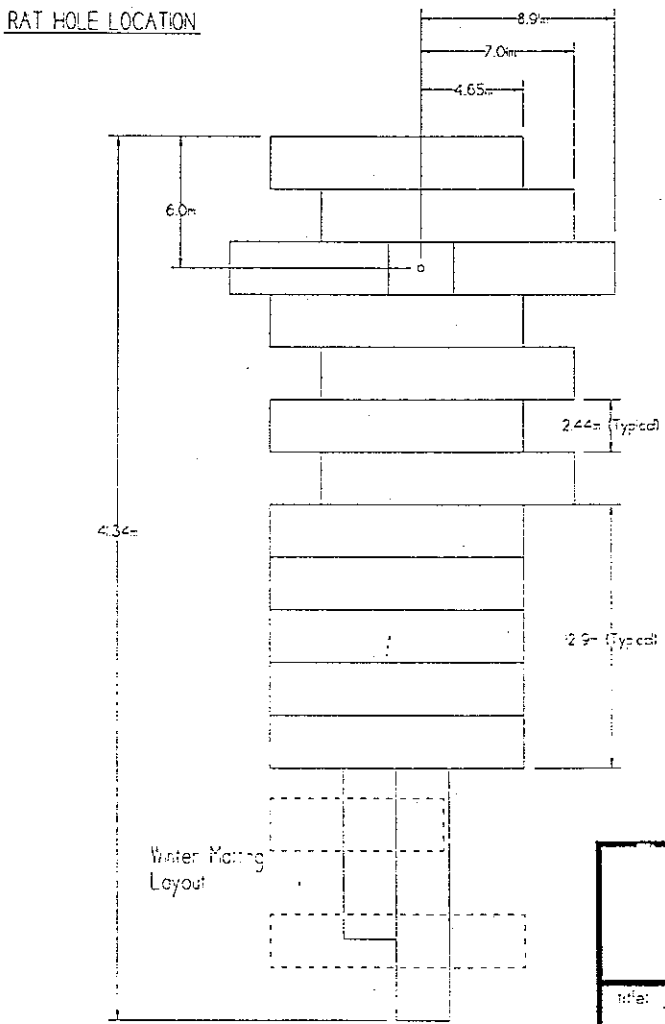
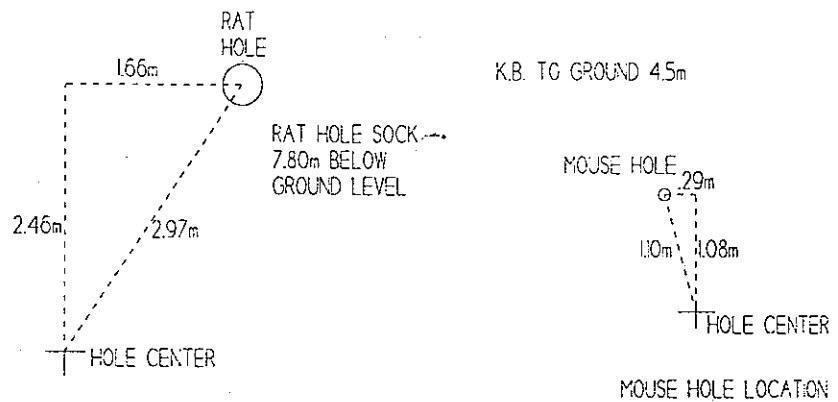


**Terroco Drilling Int'l Ltd.**

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title:  
**Layout of Rig 1**

|                               |                   |
|-------------------------------|-------------------|
| drawn by:<br><i>M. Siford</i> | date:<br>06/22/95 |
| app by:                       | sheet:<br>1 of 1  |
| scale:<br>1 : 350             | Page No. 23       |

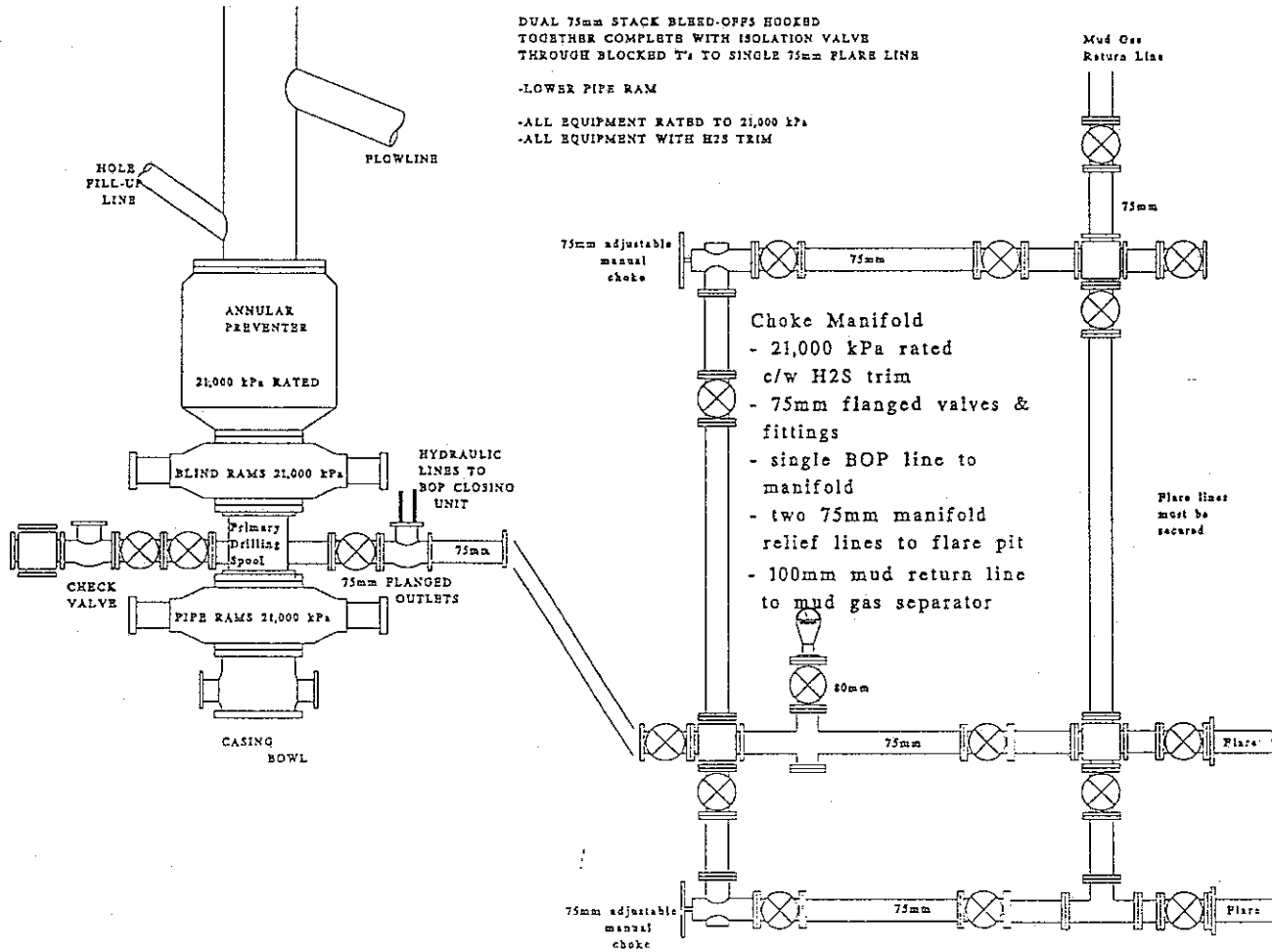


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Title: **RIG 1 LAYOUT/  
MATTING**

|                              |                   |
|------------------------------|-------------------|
| drawn by<br><i>M. Sifard</i> | date:<br>06/22/95 |
| app by:                      | sheet:<br>1 of 1  |
| scale:<br>1 : 350            | PAGE NO. 2-       |

RIG #1 254mm (10") - 21,000 kPa (3,000 lb.)



DUAL 75mm STACK BLEED-OFFS HOOKED TOGETHER COMPLETE WITH ISOLATION VALVE THROUGH BLOCKED T' TO SINGLE 75mm FLARE LINE

-LOWER PIPE RAM

-ALL EQUIPMENT RATED TO 21,000 kPa  
-ALL EQUIPMENT WITH H2S TRIM

Mud Gas Return Line

75mm

75mm adjustable manual choke

**Choke Manifold**  
- 21,000 kPa rated  
c/w H2S trim  
- 75mm flanged valves & fittings  
- single BOP line to manifold  
- two 75mm manifold relief lines to flare pit  
- 100mm mud return line to mud gas separator

Flare lines must be secured

HYDRAULIC LINES TO BOP CLOSING UNIT

75mm FLANGED OUTLETS

HOLE FILL-UP LINE

FLOWLINE

ANNULAR PREVENTER

21,000 kPa RATED

BLIND RAMS 21,000 kPa

Primary Drilling Spool

CHECK VALVE

PIPE RAMS 21,000 kPa

CASING BOWL



Terroco Drilling Int'l Ltd.

title:

RIG 1 B.O.P. DIAGRAM

drawn by:

*M. Siford*

date:

06/26/95

eng by:

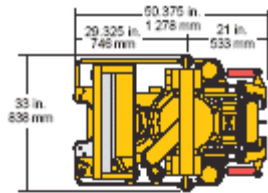
sheet:

1 of 1

scale:

N.T.S.

Page No. 25



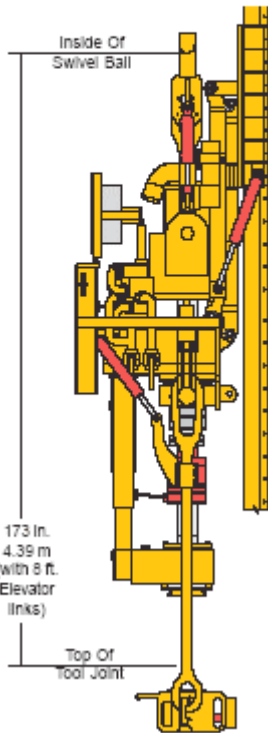
most compact offering in the TESCO top drive line.

industry proven prime movers and its own series of hydraulic pump drives

50 ton casing loads.

torque and speed) can be configured using optional gear ratios and hydraulic

incorporated into the system design.



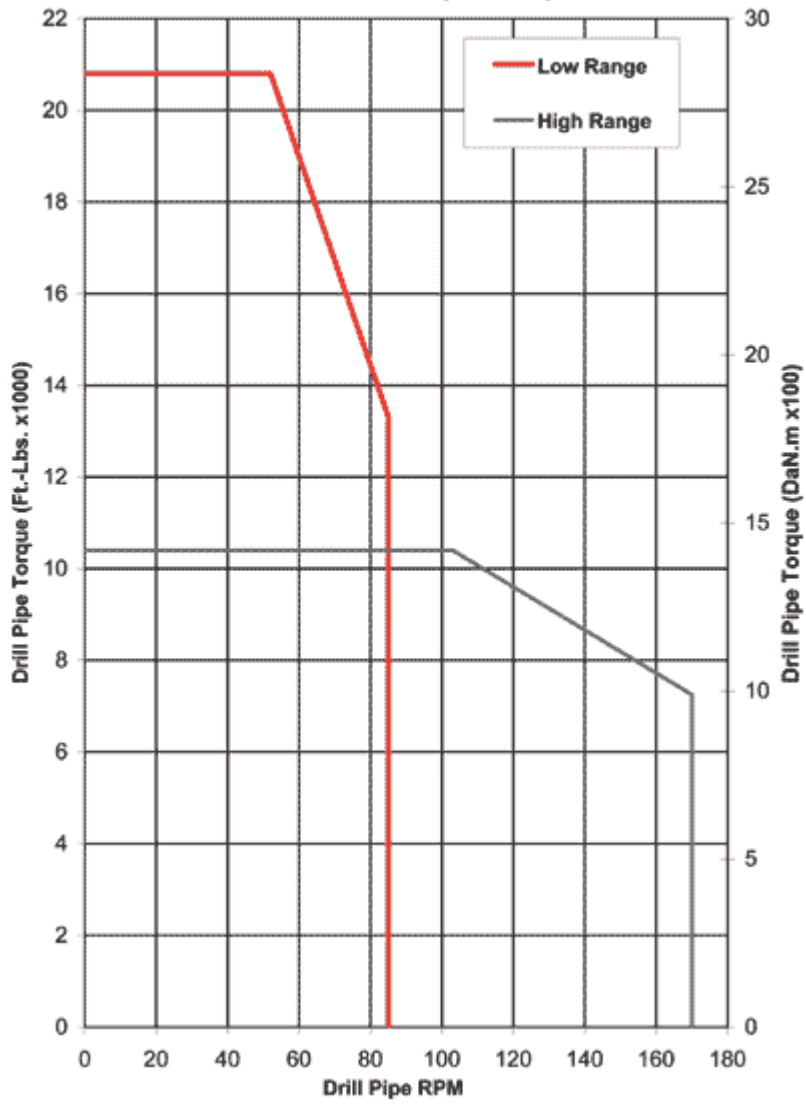
**Technical Specifications**

|                            |               |             |
|----------------------------|---------------|-------------|
| Capacity (swivel)          | 250 ton       | 227 tonne   |
| Power                      | 475 hp        | 336 kW      |
| Weight                     | 8,000 lbs.    | 3 628 kg    |
| Height (links & elevators) | 173 in.       | 4 390 mm    |
| Width                      | 33 in.        | 838 mm      |
| Torque (links & elevators) | 21,000 ft-lb. | 2 847 daN-m |
| Torque (links & elevators) | 21,000 ft-lb. | 2 847 daN-m |
| Torque (links & elevators) | 23,500 ft-lb. | 3 195 daN-m |
| Speed (links & elevators)  | 170 RPM       | 170 RPM     |
| Width (links & elevators)  | 2.25 in.      | 57 mm       |
| Weight (links & elevators) | 16,200 lb.    | 7 370 kg    |
| Height (links & elevators) | 281 in.       | 7 200 mm    |
| Width (links & elevators)  | 56 in.        | 1 400 mm    |

integrated swivel and torque bushing.  
with an optional 1.64:1 gear ratio.

**Additional Information**

**Top Drive Performance Curve**  
250 Ton HMI 475 HP  
Gear Ratio is 2.19 (Standard)



Top Drive Performance Curve  
250 Ton HMI 475 HP  
Gear Ratio is 1.64 (Optional)

