

Casing

Means of Production

hot laminated

Tehnical Condition API 5CT

Resistance Class

H40, J55, K55, N80, L80 C90. C95, T95, P110

Exterior Diameter		Nominal Weight	Wall Thi	ckness	Resistance class and smooth end					
inch	mm	Lb/ft	inch	mm	H-40	J55 K55	L80 C95	N80	C90 T95	P110
		9.50	0.205	5.21	PS	PS	9.50	-	-	-
		10.50	0.224	5.69	-	PSB		-	-	-
4 1/2	114,3	11.60	0.250	6.35	-	PSLB		PBL	PBL	PBL
	,	13.50	0.290	7.37	-	-		PBL	PBL	PBL
		15.10	0.337	8.56	-	-		-	-	PBL
		11.50	0.220	5.59	-	PS		-	-	-
		13.00	0.253	6.43	-	PSLB		-	-	-
		15.00	0.296	7.52	-	PSLBE		PLBE	PLBE	-
5	127	18.00	0.362	9.19	-	-		PLBE	PLBE	PLBE
		21.40	0.437	11.10	-	-		PLB	PLB	PLB
		23.20	0.478	12.14	-	-		PLB	PLB	PLB
		24.10	0.500	12.70	-	-		PLB	PLB	PLB
		14.00	0.244	6.20	PS	-		-	-	-
		15.50	0.275	6.98	-	PSLBE		-	-	-
	139.7	17.00	0.304	7.72	-	PSLBE		PLBE	PLBE	PLBE
5 1/2		20.00	0.361	9.17	-	-		PLBE	PLBE	PLBE
		23.00	0.415	10.54	-	-		PLBE	PLBE	PLBE
		26.80	0.500	12.70	-	-		-	Р	-
		20.00	0.288	7.72	PS	PSLB		-	-	-
0.7/0		24.00	0.352	8.94	-	PSLBE		PLBE	PLBE	PLBE
6 5/8	168.3	28.00	0.417	10.59	-	-		PLBE	PLBE	PLBE
		32.00	0.475	12.06	-	-		PLBE	PLBE	PLBE
		23.00	0.317	8.05	-	PSLBE		PLBE	PLBE	-
		26.00	0.362	9.19	-	PSLBE		PLBE	PLBE	PLBE
7	177.8	29.00	0.408	10.36	-	-		PLBE	PLBE	PLBE
'	177.5	32.00	0.453	11.51	-	-		PLBE	PLBE	PLBE
		35.00	0.498	12.65	-	-		PLBE	PLBE	PLBE
		38.00	0.540	13.72	-	-		PLBE	PLBE	PLBE

P-smooth end S-round chine L-round long chine B-Buttress chine E-extreme line



Casing

Exterior Diameter		Nominal Weight	Wall Thi	ckness		Resistan	ce class and	d smooth en	d	
inch	mm	Lb/ft	inch	mm	H-40	J55 K55	L80 C95	N80	C90 T95	P110
		24.00	0.300	7.62	PS		-	-	-	-
		26.40	0.328	8.33	-	PSLBE	PBLE	PBLE	PBLE	-
7 5/8	193.7	29.70	0.375	9.52	-	-	PBLE	PBLE	PBLE	PBLE
		33.70	0.430	10.92	-	-	PBLE	PBLE	PBLE	PBLE
		39.00	0.500	12.70	-	-	PBLE	PBLE	PBLE	PBLE
		42.80	0.562	14.27	-	-	PLB	PLB	PLB	PLB
		45.30	0.595	15.11	-	-	PLB	PLB	PLB	PLB
		47.10	0.625	15.86	-	-	PLB	PLB	PLB	PLB
		28.00	0.304	7.72	PS	-	-	-	-	-
		32.00	0.352	8.94	PS	PSLBE	-	-	-	-
8 5/8	219.1	36.00	0.400	10.16	-	-	PLBE	PLBE	PLBE	-
		40.00	0.450	11.43	-	-	PLBE	PLBE	PLBE	PLBE
		44.00	0.500	12.70	-	-	PLBE	PLBE	PLBE	PLBE
		32.30	0.312	7.92	PS	-	-	-	-	-
		36.00	0.352	8.94	PS	PSLB	-	-	-	-
		40.00	0.395	10.03	-	PSLBE	PLBE	PLBE	PLBE	-
9 5/8	244.5	43.50	0.435	11.05	-	-	PLBE	PLBE	PLBE	PLBE
		47.00	0.472	11.99	-	-	PLBE	PLBE	PLBE	PLBE
		53.50	0.545	13.84	-	-	PLBE	PLBE	PLBE	PLBE
		40.50	0.350	8.89	PS	PSB	-	-	-	-
		45.50	0.400	10.16	-	PSBE	-	-	-	-
10 3/4	273.1	51.00	0.450	11.43	-	PSBE	PSBE	PSBE	PSBE	PSBE
		55.50	0.495	12.57	-	-	PSBE	PSBE	PSBE	PSBE
		60.70	0.545	13.84	-	-	-	-	PSBE	PSBE
		42.00	0.333	8.46	PS	-	-	-	-	-
		47.00	0.375	9.53	-	PSB	-	-	-	-
11 3/4	298.5	54.00	0.435	11.05	-	PSB	-	-	-	-
		60.00	0.498	12.42	-	PSB	PSB	PSB	PSB	PSB
		65.00	0.534	13.56	-	-	Р	Р	Р	Р
		54.50	0.380	9.65	-	PSB	-	-	-	-
		61.00	0.430	10.92	-	PSB	-	-	-	-
13 3/8	339.7	68.00	0.480	12.19	-	PSB	PSB	PSB	PSB	PSB
		72.00	0.514	13.06	-	-	PSB	PSB	PSB	PSB
		75.00	0.438	11.13	-	PSB	-	-	-	-
16	406.4	84.00	0.495	12.57	-	PSB	-	-	-	-
		109.00	0.645	16.66	-	Р	Р	Р	Р	Р
20	508.0	133.00	0.635	16.13	-	PSLB	-	-		_



Tubing

Means of hot laminate	f Production		ical Condition	on	Resistance Class J 55; L 80; N 80; C 90; P 110			
Exterior	Diameter	Wall Thickness		Resistance class				
inch	mm	mm	J 55	L 80	N 80	C 90	P 110	
	48.3	3.18	Р	-	-	-	-	
1.900	48.3	3.68	PNU	-	PNU	PNU	-	
1.000	48.3	5.08	PU	-	PU	PU	-	
	48.3	6.35	-	Р	-	Р	-	
	60.3	4.83	PNU	PNU	PNU	PNU	PNU	
2 3/8	60.3	6.45	-	PNU	PNU	PNU	PNU	
	73.3	5.51	PNU	PNU	PNU	PNU	PNU	
2 7/8	73.3	7.01	-	PNU	PNU	PNU	PNU	
	73.3	7.82	-	PNU	PNU	PNU	PNU	
3 1/2	88.9	6.45	PNU	PNU	PNU	PNU	PNU	
4	101.6	5.74	PN	PN	PN	PN	PN	
4	101.6	6.65	PN	PN	PN	PN	PN	
4 1/2	114.3	6.88	PNU	PNU	PNU	PNU	PNU	

Romoil International can provide various size, configuration and type of piping on request.



Wellhead Equipment



Casing Heads

Casing Spool

Casing Hanger

weight energized seal Slip-Type Casing Hanger pressure energized seal Slip-Type Casing Hanger

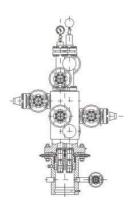
Tubing Heads

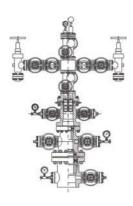
adapter flanges

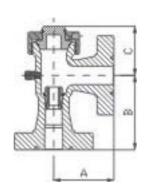
Secondary Seal

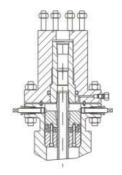
Tubing Hanger

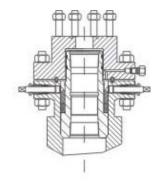
Type Th 1
Type Th-D
Type Th-DS Type Th-W











Tees and Crosses

Single Completion **Dual Completion** Cristmas Tree Caps

Chokes

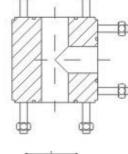
Slab Gate Valves













Expanding Gate Valves

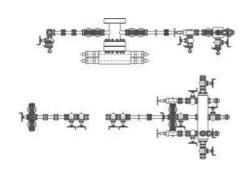
Dual gate Valves

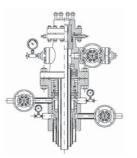
Surface Safety Valves



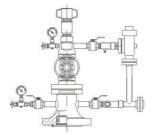
Choke and Kill Manifolds **Pumping Head** Accessories

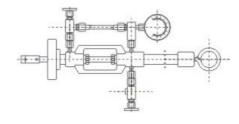


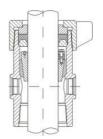


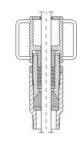














Mechanical Cementing Products



Centralizers
Cementing
Accessories

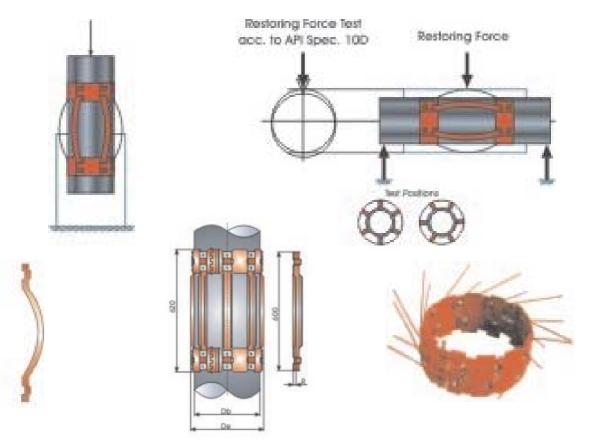
- The result of more than 30 years of field experience and laboratory testing, our newest design has features making them ideal for both tubing and casing applications.
- Compression testing of the centralized ensures that the centralizers can withstand important forces when running the casing.

Circulation Heads

Float Guide

Shoes and collars

Cementing Heads

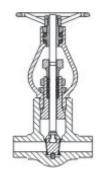


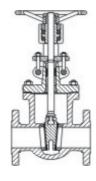
CASING - TUBING - WELLHEAD EQUIPMENT - MECHANICAL CEMENTING PRODUCTS - INDUSTRIAL VALVES API 6A & API 6D SOLID CONTROL - HIGH PRESSURE PRODUCTS - RIGS - FILTERS - REGULATING AND METERING STATION TYPIFIED DISTRIBUTION REGULATING AND METERING STATION

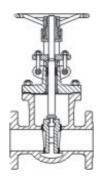


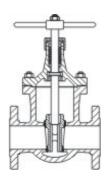
Industrial VALVES API 6A & API 6D

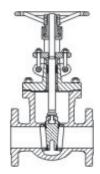
Ball Valves
Strainers
Globes Valves
Check Valves
Wedge Gate













Solid Control

Shale Shaker

Desander and

Desilter

Degaser

Motor-driven

Propeller

Stirres

Bottom Gun

Top Type Mud

Gun

Mud Preparing

Unit

Mud Mixing

Unit

Duplex&Triplex

Mud Pumps

Elastic

Connections &

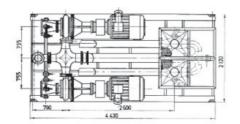
Joins

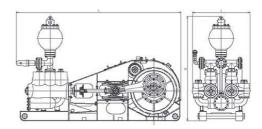
Edjustable

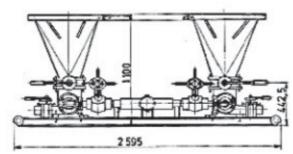
Connections

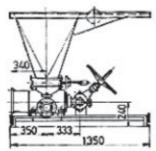
Rotary Hoses











CASING - TUBING - WELLHEAD EQUIPMENT - MECHANICAL CEMENTING PRODUCTS - INDUSTRIAL VALVES API 6A & API 6D SOLID CONTROL - HIGH PRESSURE PRODUCTS - RIGS - FILTERS - REGULATING AND METERING STATION TYPIFIED DISTRIBUTION REGULATING AND METERING STATION

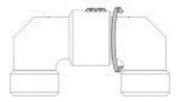


High Pressure Products

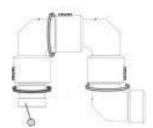


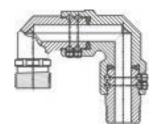












Mud Valves Series

Plug Valves

Non aligned Screwed Unions

Wing Unions

Swivel joints

Cementing and Circulating Hoses

High Presure Fittings



TD 80 CA A4

Max Hook Load
Drilling Depth
Operating Depth

80 ff 1800 m 4700 m

Purpose

To perform drilling, overhauling and workover operations for oil & gas wells. Also specially designed to perform:

- pull in & out drill pipes, lifting pipes and pumping rods
- bailing
- milling of sand and cement plugs
- milling of side outlets in casing
- deepening of wells
- productions operations of wells.

Rig is produced:

- from viewpoint of mobility: selfpropelled, four axle mounted
- from viewpoint of site location: standard version and block module version
- for various climate conditions: arctic, temperate and tropical.

Rig shall be supplied in huge bulk while shipment shall follow as below:

- mast drawworks block installed on selfpropelled truck
- mobile deck for drill pipes, separately shipped on trailer
- skidded motor pumping unit, mast legs, mud system.

Components, electric system, BOPs, tanks system and others are shipped on separate trailers, featuring sizes within the usual transport limits.

Technical specification

Hook static operating load (max)	100 tf
Hook max. operating load	80 tf
Drilling depth 4 1/2 (24,7 kg/m) drill pipes	1800 m
Mast type	MU-80
Mast clearance (ground to crownblock)	32 m
Max. length of stands	18 m
Engine max output	365 HP
Drawworks drum no.	1
Main wire line OD	25 mm
Main drum speed no.	5+1 R

Main wire line pull	11.5 tf
Traveller block sheave no.	4
Crown block sheave no.	5
Swivel max. static load	80 tf
Rotary table opening	520.7 mm (20 ½")
Rotary table max. static load	320 tf
Rotary table max speed	300 RPM
Substructure height	4.5 m
Mud pump	500 HP
Drilling fluid mud volume (mud system)	120 c.m.



UPET PRODUCTS



Rigs

Drilling and Workover Rig

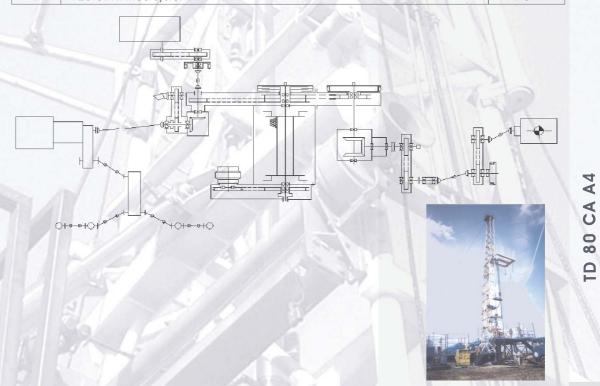
Components (main parts)

Item	Denomination	Quantity
1	ROMAN 48 360 VFAE (8x8) truck with engine: - CAT C10 (365 HP/2000 rpm) and CLBT 755 DB transmission or - CAT 3406 C DITA (360 HP/2100 rpm) and ALLISON CLBT 754 DB	1
2	MU 80-32 Mast	1
3	Monkey board	1
4	One drum drawworks	1
5	FH-560 Hydromatic brake	1
6	Traveller block MC-80	1
7	Hydraulic system	1
8	Air system	1
9	Electric system	1

Optional

through ROMOIL

Item	Denomination	Quantity
1	CH 80 Swivel	1
2	MR 205 mechanic rotary table	1
3	DSD make up & break out device	1
4	TH 1.5 auxiliary hydraulic winch	1
5	Substructure for MR 205	1 1
6	ASI 15 hook load indicator (optional MD TOTCO)	3 \ \ 1
7	Pipe rack	1 1
8	3 PN 500 Mud pumping unit	1
9	120 c.m. Mud system	



The rigs manufactured by SC UPET SA Targoviste includes letters patent.



through ROMOIL

TD 125 CA A6

Max Hook Load
Drilling Depth
Operating Depth

125 ff 3000 m 7200 m

Purpose

To perform drilling, overhauling and workover operations for oil & gas wells. Also specially designed to perform:

- pull in & out drill pipes, lifting pipes and pumping rods
- bailing
- milling of sand and cement plugs
- milling of side outlets in casing
- deepening of wells
- productions operations of wells.

Rig is produced:

- from viewpoint of mobility: selfpropelled, six axle mounted
- from viewpoint of site location: standard version and block module version
- for various climate conditions: arctic, temperate and tropical.

Rig shall be supplied in huge bulk while shipment shall follow as below:

- mast drawworks block installed on selfpropelled truck
- mobile deck for drill pipes, separately shipped on trailer
- skidded motor pumping unit, mast legs, mud system.

Components, electric system, BOPs, tanks system and others are shipped on separate trailers, featuring sizes within the usual transport limits.

Technical specification

Hook static operating load (max)	135 tf
Hook max. operating load	125 tf
Drlilling depth 4 1/2 (24,7 kg/m) drill pipes	3000 m
Mast type	MU-135
Mast clearance (ground to crownblock)	33.4 or 36 m
Max. length of stands	18 m
Engine max output	600 HP
Drawworks drum no.	1 or 2
Main wire line OD	28 mm
Main drum speed no.	5+1 R

Main wire line pull	20 tf
Traveller block sheave no.	4
Crown block sheave no.	5
Swivel max. static load	150 tf
Rotary table opening	520.7 mm (20 ½")
Rotary table max. static load	320 tf
Rotary table max speed	300 RPM
Substructure height	5.0 m
Mud pump	2x700 HP
Drilling fluid mud volume (mud system)	171 c.m.



OPET PRODUCTS



Rigs

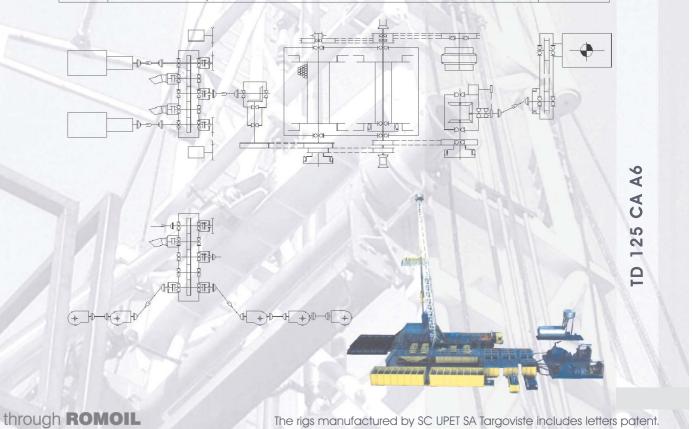
Drilling and Workover Rig

Components (main parts)

Item	Denomination	Quantity
1	Truck ROMAN 72 525, 72 505 or 72940 (12x10) type with engine: - C15 (525HP/2100 rpm) or CAT 3408C-DITA (505 HP/2100 rpm) and ALLISON M 5610 ARDB transmission or -2 x IAMZ 8424 (470 CP/2100 rpm) and ALLISON M 5610 transmission	1
2	MU 135-33 (36)	1
3	Monkey board	1
4	Drawworks TF 20-1 (one drum)	1
5	FH-560 Hydromatic brake	1
6	Traveller block MC-125-4x28	1
7	Hydraulic system	1
8	Air system	1
9	Electric system	1

Optional

Item	Denomination	Quantity
1	CH 150 Swivel	1
2	MR 205 mechanic rotary table	1
3	DSD make up & break out device	1
4	TH 4.5 auxiliary hydraulic winch	1
5	Substructure for MR 205	1
6	ASI 27 hook load indicator (optional MD TOTCO)	1
7	Pipe rack	1
8	3 PN 700 Mud pumping unit	2
9	171 c.m. Mud system	1 1





through ROMOIL

TD 160 CA A7

Max Hook Load 160 tf
Drilling Depth 4000 m
Operating Depth 10500 m

Purpose

To perform drilling, overhauling and workover operations for oil & gas wells. Also specially designed to perform:

- pull in & out drill pipes, lifting pipes and pumping rods
- bailing
- milling of sand and cement plugs
- milling of side outlets in casing
- deepening of wells
- productions operations of wells.

Rig is produced:

- from viewpoint of mobility: selfpropelled, seven axle mounted
- from viewpoint of site location: standard version and block module version
- for various climate conditions: arctic, temperate and tropical.

Rig shall be supplied in huge bulk while shipment shall follow as below:

- mast drawworks block installed on selfpropelled truck
- mobile deck for drill pipes, separately shipped on trailer
- skidded motor pumping unit, mast legs, mud system.

Components, electric system, BOPs, tanks system and others are shipped on separate trailers, featuring sizes within the usual transport limits.

Technical specification

Hook static operating load (max)	192 tf
Hook max. operating load	160 tf
Drlilling depth 4 1/2(24,7 kg/m) drill pipes	4000 m
Mast type	MU-160
Mast clearance (ground to crownblock)	34.4 or 36 m
Max. length of stands	18 m
Engine max output	920 HP
Drawworks drum no.	1 or 2
Main wire line OD	28 mm
Main drum speed no.	5+1 R

Main wire line pull	25 tf
Traveller block sheave no.	4
Crown block sheave no.	5
Swivel max. static load	200 tf
Rotary table opening	698.5 mm (27 ½")
Rotary table max. static load	500 tf
Rotary table max speed	300 RPM
Substructure height	5.5 m
Mud pump	2x700 HP
Drilling fluid mud volume (mud system)	171 c.m.





Rigs

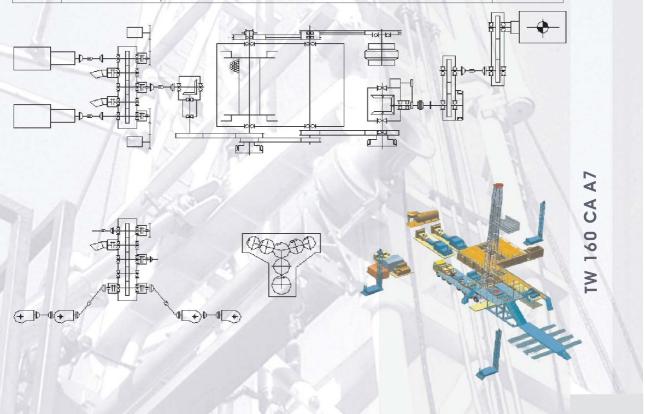
Drilling and Workover Rig

Components (main parts)

Item	Denomination	Quantity
1	Truck DAC 841050 (14x10) with two engine C15 (525CP/2100 rpm) and two ALLISON M 5610 transmission with converter TC 682	1
2	Mast MU 160	1
3	Monkey board	21
4	Drawworks TF 25	1
5	FH-560Hydraulic brake	1
6	Traveller block MC-160-4x28	1
7	Hydraulic system	1
8	Air system	1
9	Electric system	1

Optional

Item	Denomination	Quantity
1	CH 200 Swivel	1
2	MR 275 mechanic rotary table	1
3	DSD make up & break out device	1
4	TH 4.5 auxiliary hydraulic winch	1
5	Substructure for MR 275	1
6	ASI 27 hook load indicator (optional MD TOTCO)	1
7	Pipe rack	1
8	3 PN 700 Mud pumping unit	2
9	171 c.m. Mud system	1





TW 40 CA A4

Max Hook Load 40 tf
Operating Depth 2400 m

through ROMOIL

Purpose

To perform overhauling and workover operations for oil & gas wells. Also specially designed to perform:

- pull in & out drill pipes, lifting pipes and pumping rods
- bailing
- milling of sand and cement plugs
- milling of side outlets in casing
- deepening of wells
- productions operations of wells.

Rig is produced:

- from viewpoint of mobility: selfpropelled, four axle mounted
- for various climate conditions: arctic, temperate and tropical.

Rig shall be supplied in huge bulk while shipment shall follow as below:

- mast, drawworks, block installed on selfpropelled truck
- mobile deck for drill pipes, separately shipped on trailer
- skidded pumping unit, mast legs, mud system.

Technical specification

Hook static operating load (max)	48 tf
Hook max. operating load	40 tf
Well repairing operations with 2 7/8 (12.19 kg/m) drill pipes	2400 m
Mast type	MU-40
Mast clearance (ground to crownblock)	27.2 m
Max. length of stands	18 m
Engine max output	300 HP
Drawworks drum no.	1
Main wire line OD	22 mm
Main drum speed no.	4+1 R

Main wire line pull	7.5 tf
Traveller block sheave no.	3
Crown block sheave no.	4
Swivel max. static load	50 tf
Rotary table opening	330 mm (13")
Rotary table max. static load	125 tf
Rotary table max speed	300 RPM
Substructure height	2.2 m
Mud pump	160 HP
Drilling fluid mud volume	14.5 c.m.





Rigs

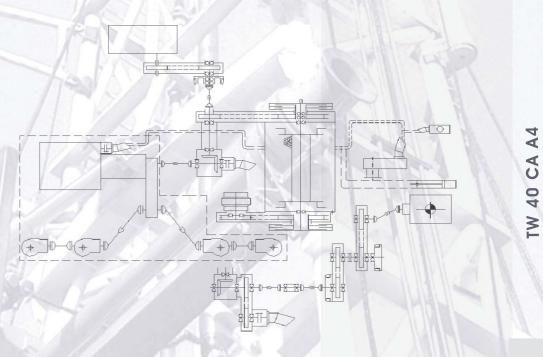
Workover and service rigs

Components (main parts)

Item	Denomination	Quantity
1	DAC 40 360 VF (8x6/4) truck with CAT C DITA (360 HP/2100 rpm) engine and ALLISON 754 DB hydromechanical transmission	1
2	MU 40-27 Mast	1
3	Monkey board	1
4	Drum draw work	1
5	Hydromatic brake	1
6	MC 40 Traveller block	1
7	Foldable driller cabin	1
8	Hydraulic system	1
9	Air system	1
10	Electric system	1

Optional

Item	Denomination	Quantity
1	CH 50 Swivel	1
2	MR 130 mechanical or rotary table with DFID hydraulic actuation	1
3	DSD make up & break out device	1
4	PCM tubing handling device	1
5	Kelly 3 ½ x 10 m	1
6	TH 1.5 auxiliary hydraulic winch	1
7	Substructure for MR 130 or foldable rear working platform	1
8	ASD 10 hook load indicator	1
9	Pipe rack	1-
10	Rods platform	1
11	2 PN 160 pump	1
12	14.5 m3 mud system	1



through **ROMOIL**

The rigs manufactured by SC UPET SA Targoviste includes letters patent.



through ROMOIL

TW 50 CA A4

Max Hook Load 50 tf
Operating Depth 3000 m

Purpose

To perform overhauling and workover operations for oil & gas wells.

Also specially designed to perform:

- pull in & out drill pipes, lifting pipes and pumping rods
- bailing
- milling of sand and cement plugs
- milling of side outlets in casing
- deepening of wells
- productions operations of wells.

Rig is produced:

- from viewpoint of mobility: selfpropelled, four axle mounted
- for various climate conditions: arctic, temperate and tropical.

Rig shall be supplied in huge bulk while shipment shall follow as below:

- mast drawworks block installed on selfpropelled truck
- mobile deck for drill pipes, separately shipped on trailer
- skidded pumping unit, mast legs, mud system.

Technical specification

Hook static operating load	65 tf
Hook max. operating load	50 tf
Well repairing operations with 2 7/8 (12.19 kg/m) drill pipes	3000 m
Mast type	MU-50
Mast clearance (ground to crownblock)	30.2 m
Max. length of stands	18 m
Engine max output	365 HP
Drawworks drum no.	1
Main wire line OD	26 mm
Main drum speed no.	5+1 R

Main wire line pull	11.5 tf
Traveller block sheave no.	3
Crown block sheave no.	4
Swivel max, static load	60 tf
Rotary table opening	444.5 mm (17 ½")
Rotary table max. static load	250 tf
Rotary table max speed	300 RPM
Substructure height	4.8 m
Mud pump	300 HP
Drilling fluid mud volume (mud system)	88 c.m.



UPET PRODUCTS



Rigs

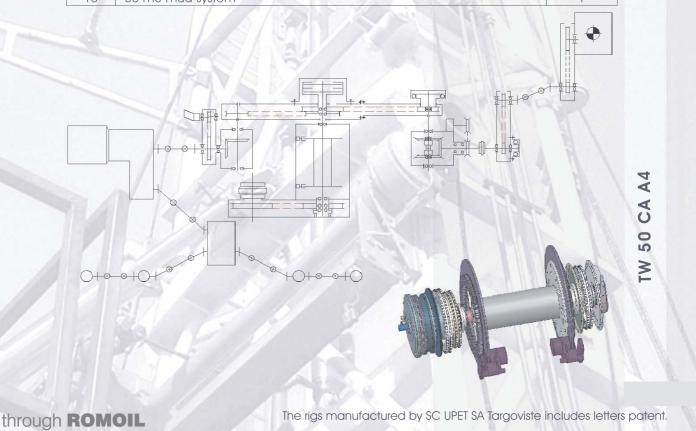
Drilling and Workover Rig

Components (main parts)

Item	Denomination	Quantity
1	ROMAN 48365 VFAE (8X8) truck with CAT C 10 (365 HP/2100 rpm) engine and ALLISON 755 DB hydromechanical transmission	1
2	MU 50-30 Mast	1
3	Monkey board	1
4	Drum draw work (with disk brake and remote control)	1
5	Hydromatic brake	1
6	MC 60 Traveller block	1
7	Hydraulic system	1
8	Air system	1
9	Electric system	1

Optional

Item	Denomination	Quantity
1	CH 60 Swivel	1
2	Rotary table MR 175	1
3	DSD make up & break out device	1
4	Kelly 3 ½ x 10 m	1
5	TH 4.5 auxiliary hydraulic winch	1
6	Substructure	1
7	Drilling parameters meter MD TOTCO	1
8	Pipe rack	1
9	3 PN 300 mud pump	1-
10	88 m3 mud system	1





through ROMOIL

TW 70 CA A4

Max Hook Load
Operating Depth

70 tf

4000 m

Purpose

To perform overhauling and workover operations for oil & gas wells. Also specially designed to perform:

- pull in & out drill pipes, lifting pipes and pumping rods
- bailing
- milling of sand and cement plugs
- milling of side outlets in casing
- deepening of wells
- productions operations of wells.

Rig is produced:

- from viewpoint of mobility: selfpropelled, four axle mounted
- for various climate conditions: arctic, temperate and tropical.

Rig shall be supplied in huge bulk while shipment shall follow as below:

- mast drawworks block installed on selfpropelled truck
- mobile deck for drill pipes, separately shipped on trailer
- skidded pumping unit, mast legs, mud system.

Technical specification

Hook static operating load (max)	70 tf
Hook max. operating load	70 tf
Well repairing operations with 2 7/8 (12.19 kg/m) drill pipes	4000 m
Mast type	MU-70
Mast clearance (ground to crownblock)	30 m
Max. length of stands	18 m
Engine max output	300 HP
Drawworks drum no.	1
Main wire line OD	22 mm
Main drum speed no.	5+1 R

Main wire line pull	11.5 tf
Traveller block sheave no.	3
Crown block sheave no.	4
Swivel max. static load	50 tf
Rotary table opening	444.5 mm (17 1/2")
Rotary table max. static load	320 tf
Rotary table max speed	300 RPM
Substructure height	2.2 m
Mud pump	300 HP
Drilling fluid mud volume (mud system)	120 c.m.



UPET PRODUCTS



Rigs

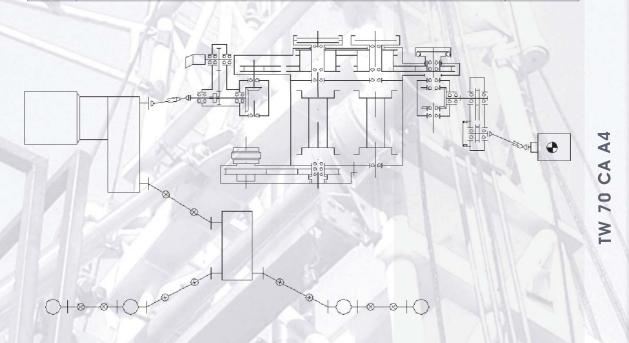
Workover and service rigs

Components (main parts)

Item	Denomination	Quantity
1	ROMAN 48 360 VF (8x8) truck with CAT 3406 B DITA (360 HP/2100 rpm) engine and ALLISON 754 DB hydromechanical transmission	1
2	MU 70-30 Mast	1
3	Monkey board	1
4	Drum draw work	1
5	Hydraulic brake	1
6	MC 40 Traveller block	1
7	Foldable driller cabin	1
8	Hydraulic system	1
9	Air system	1
10	Electric system	1

Optional

Item	Denomination	Quantity
1	CH 80 Swivel	1
2	MR 175 mechanical or rotary table with DFID hydraulic actuation	1
3	DSD make up & break out device	1
4	PCM tubing handling device	1
5	Kelly 3 ½ x 10 m	1
6	TH 1.5 auxiliary hydraulic winch	1
7	Substructure for MR 175 or foldable rear working platform	1
8	ASD 15 hook load indicator	1
9	Pipe rack	1
10	Rods platform	7 V 1
11	3 PN 300 pump	1
12	120 m3 mud system	1



through **ROMOIL**

The rigs manufactured by SC UPET SA Targoviste includes letters patent.



TW 100 CA A5

Max Hook Load 100 tf
Operating Depth 5800 m

through ROMOIL

Purpose

To perform overhauling and workover operations for oil & gas wells.

Also specially designed to perform:

- pull in & out drill pipes, lifting pipes and pumping rods
- bailing
- milling of sand and cement plugs
- milling of side outlets in casing
- deepening of wells
- productions operations of wells.

Rig is produced:

- from viewpoint of mobility: selfpropelled, five axle mounted
- from viewpoint of site location: standard version and block module version
- for various climate conditions: arctic, temperate and tropical.

Rig shall be supplied in huge bulk while shipment shall follow as below:

- mast drawworks block installed on selfpropelled truck
- mobile deck for drill pipes, separately shipped on trailer
- skidded motor pumping unit, mast legs, mud system.

Components, electric system, BOPs, tanks system and others are shipped on separate trailers, featuring sizes within the usual transport limits.

Technical specification

Hook static operating load	120 tf
Hook max. operating load	100 tf
Well repairing operations with 2 7/8 (12,19 kg/m) drill pipes	5800 m
Mast type	MU-100
Mast clearance (ground to crownblock)	33.4 m
Max. length of stands	18 m
Engine max output	525 HP
Drawworks drum no.	1 or 2
Main wire line OD	25 mm
Main drum speed no.	5+1 R

Main wire line pull	15 tf
Traveller block sheave no.	4
Crown block sheave no.	5
Swivel max. static load	80 tf
Rotary table opening	520.7 mm (20 ½")
Rotary table max. static load	320 tf
Rotary table max speed	300 RPM
Substructure height	4.5 m
Mud pump	700 HP
Drilling fluid mud volume (mud system)	160 c.m.



UPET PRODUCTS



Rigs

Drilling and Workover Rig

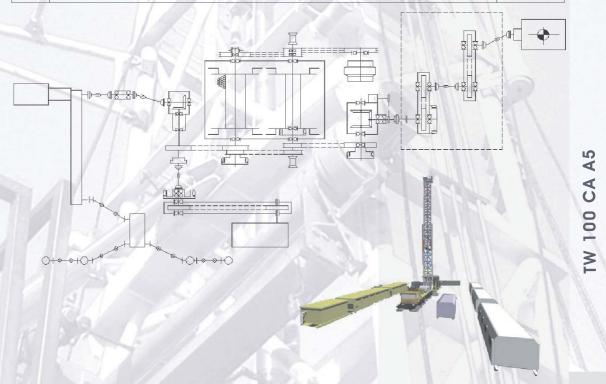
Components (main parts)

Item	Denomination	Quantity
1	Truck DAC 60525 (10x8) type with engine: - C15 (525 HP/2100 rpm) or CAT 3408C-DITA (505 HP/2100 rpm) and ALLISON M 5610 ARDB transmission or - IAMZ 8424 (470 CP/2100 rpm) and ALLISON M 5610 transmission	1
2	MU 100-33,4 Mast incl. stable section and unwinder	1
3	Monkey board	1
4	Main drawworks TF 15 (one drum)	1
5	FH-560 Hydromatic brake	1
6	Traveller block MC 100x25	1
7	Hydraulic system	1
8	Air system	1
9	Electric system	1

Optional

through **ROMOIL**

Item	Denomination	Quantity
1	CH 125 Swivel	1
2	MR 205 mechanic rotary table	1
3	DSD make up & break out device	1
4	TH 4.5 auxiliary hydraulic winch	1
5	Substructure for MR 205	1
6	ASI 15 hook load indicator (optional MD TOTCO)	1
7	Pipe rack	1
8	3 PN 700 Mud pumping unit	1
9	160 c.m. Mud system	V 3 1 _



The rigs manufactured by SC UPET SA Targoviste includes letters patent.



through ROMOIL

TW 227 DEC - T

Max Hook Load 227 tf
Operating Depth 12 000 m

Purpose

To perform overhauling and workover operations for oil & gas wells. Also specially designed to perform:

- pull in & out drill pipes, lifting pipes and pumping rods
- bailing
- milling of sand and cement plugs
- milling of side outlets in casing
- deepening of wells
- productions operations of wells.

Rig is produced:

- from viewpoint of site location: block module version trailer mounted
- for various climate conditions: arctic, temperate and tropical.

Technical specification

Hook static operating load (10 lines)	227 tf
Hook max. Working load	200 tf
Well repairing operations with 2 7/8 (12.19 kg/m) drill pipes	1200 m
Mast type	MU-227-T
Mast clearance (ground to crownblock)	46 m
Max. length of stands	27 m
Drawworks entry power	1000 HP
Drawworks drum no.	1
Main wire line OD	32 mm
Main drum speed no.	4+4 R

Main wire line pull	28 tf
Traveller block sheave no.	5
Crown block sheave no.	6
Swivel max. static load	250 tf
Rotary table opening	698.5 mm (27 ½")
Rotary table max. static load	500 tf
Rotary table max speed	300 RPM
Substructure height	7.3 m
Mud pump	2 x 1000 HP
Drilling fluid mud volume (mud system)	256 c.m.





Workover and service rig

Components (main parts)

Item	Denomination	Quantity
1	Drawworks TF 28	1
2	Drive motor GE 752 ARB 3	1
3	Electromagnetic brake ELMAGCO Type 6032	1
4	Heavy duty automatic bit driller DAAS G	1
5	Trailer for power unit drawworks	1
6	Traveling block 5 x 32 MC 250	1 1
7	Mast MU 227 T, trailer package	1
8	Crown block 6 x 32 GF - 250	1
9	Monkey board	1
10	Substructure for MR 275, trailer mounted	1
11	Rotary table MRL 275 with GE 752 ARB 3	1
12	Swivel UV 250 MA	1
13	Hydraulic winch 4.5 tf	1
14	MD TOTCO instrumentation	1
15	Pipe rack	1
16	Hydrostatic station and air unit, trailer mounted	1
17	Hydraulic system	1
18	Air system	1
19	Electric system	1
20	Generator sets mobile, trailer mounted	4
21	SCR Room, trailer mounted	1
22	Motor pump unit Wirth TPK 7 1/4" x 8 1/2" - 1000 with GE 752 ARB 3 trailer mounted	2
23	Mud system 256 c.m.	1
24	Truck	1





Filters

Natural gas filter type is used in all conditions where natural gas needs to be cleaned of solid and liquid impurities, coming with the gas flow. In the first step F.S. filter carrus out a separation, succeeded by filtration, in the second step.

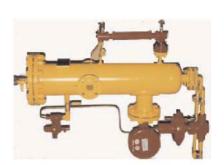
Filter is executed in a welded design made by steel, being composed of:

- 1. Separator body
- 2. Filter pad
- 3. Elliptic bottom supplied with drain and blow off connections
- 4. Blind flange having airing connection
- 5. Tube of the separator
- 6. Filter unit
- 7. Flanged inlet
- 8. Flanged outlet
- 9. Deflector

The F.G.N. natural gas filter is used in all conditions where natural gas needs to be filtered with the function to restrain solid particles and partial liquid particles as well, coming with the gas flow.







CASING - TUBING - WELLHEAD EQUIPMENT - MECHANICAL CEMENTING PRODUCTS - INDUSTRIAL VALVES API 6A & API 6D SOLID CONTROL - HIGH PRESSURE PRODUCTS - RIGS - FILTERS - REGULATING AND METERING STATION TYPIFIED DISTRIBUTION REGULATING AND METERING STATION



Regulating and Metering Stations

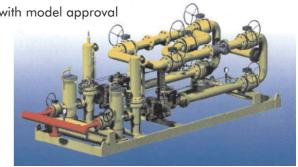
REGULATING AND METERING STATION –1T PN 25 (40) (64) DN/DN 50/50; 50/80; 80/100; 100/150

Basic configuration:

- filtering installation (filter with 160 or 10μ filter fineness)
- regulating installation (direct or indirect pilot regulators, depends on pressure stages and flow)
- safety (under-and overpressure blocking devices and pressure valve)
- metering line (turbine or rotary meter and imported PTZ corrector with model approval from de Romanian Legal Bureau of Metrology)
- odorizer
- indicating gauges (manometers and thermometers)
- metallic cabinet for the mechanic part

Optional:

- separating installation
- heating installation
- · metalic cabinet to protect heating part







Typifield Distribution Regulating and Metering Station R.M.S. - DN/DN PN 16

Fundamental configuration:

- filtering installation (160 or 10 μ fineness filters)
- regulating equipment (direct or indirect steered regulators, depending on pressure stages and on flow).
- safety (under or overpressure blocking devices and pressure valve)
- metering outfit (turbine and rotary pistons gasmeters and imported PTZ corrector a R.L.M.O. approved model)(Romanian Legal Metrology Office).
- indicating devices (manometers and thermometers)
- metallic case

Optional!

- differential pressure manometers
- metering with other certified devices

