

# WORK-OVER RIG OIL WELL SERVICING & REPAIR CO.



# SUPPORT COSTS NEEDED FOR RIGS

• Rig Cost New		\$800,000
• Other Fixed Assets Per Rig		
• Fittings & Tools	\$48,000	
• Pick Up Truck	35,000	
• Tubing Power Tongs	25,000	
• Rod Power Tongs	25,000	
• Dog House	7,000	
• Other	<u>10,000</u>	
		<u>150,000</u>
Total Cost Per Rig		\$950,000
<b>Equipment Costs 10 Rigs</b>		<b>\$9,500,000</b>
• Working Capital Component		
• General Liability Insurance	60,000	
• \$5MM Umbrella	40,000	
• Operating Expenses	<u>400,000</u>	
		<u>500,000</u>
<b>Total Investment</b>		<b><u>\$10,000,000</u></b>

# WORK-OVER RIG INCOME

# Rigs @ \$315 hr x 12 hrs/Day	1	10
Revenues/Day	\$3,780	\$37,800
Revenues/Week	\$18,900	\$189,000
Revenues/Month	\$81,900	\$819,000
Revenues/Year	\$982,800	9,828,000
Other Billable Expenses/Year	<u>102,600</u>	<u>1,026,000</u>
<b>Total Revenues/Year</b>	<b><u>\$1,085,400</u></b>	<b><u>\$10,854,000</u></b>



# CREW SALARIES PER RIG

	<b>Title</b>	<b>Rate</b>	<b>OT</b>	<b>40 Hrs</b>	<b>20 Hrs</b>	<b>Week</b>	<b>Month</b>	<b>Year</b>
1	Operator	\$23.00	\$34.50	\$920	\$690	\$1,610	\$6,970	\$83,720
1	Derrick Hand	19.00	28.50	760	570	1,330	5,760	69,160
1	Floor Hand	18.00	27.00	720	540	1,260	5,456	65,520
1	Floor Hand	18.00	27.00	720	540	1,260	5,456	<u>65,520</u>
	<b>Total Crew</b>							<b>\$283,920</b>
	Bonus							20,000
	Taxes							25,000
	Workers Comp							<u>37,500</u>
	Total							82,500
	<b>Total Crew Expenses</b>							<b><u>\$366,420</u></b>
1	Mechanic *	25.00	37.50	1,000	750	1,750	7,578	91,000
	Bonus							6,500
	Taxes							7,200
	Workers Comp							<u>11,100</u>
	<b>Total Mechanic Comp</b>							<b>115,800</b>

\* Model includes 2 mechanics for 10 rigs

# BASIC RIG P&L

• Revenues		
Hourly Billable Revenues	\$983,000	
Other Billable Expenses	<u>102,000</u>	
<b>Total Revenues</b>		<b>\$1,085,000</b>
• Expenses		
Crew Compensation	375,000	
Rig Operating Expenses	42,000	
Yard Expenses	<u>43,000</u>	
<b>Total Expenses</b>		<b><u>460,000</u></b>
• <b>Gross Operating Margin Per Rig</b>		<b>\$625,000</b>
<i>Gross Operating Margin</i>		<i>58%</i>




# ADMINISTRATIVE SALARIES

<u>Title</u>	<u>Year</u>
CEO	60,000
General Manager	103,000
Supervisor	70,000
Secretary	<u>48,000</u>
<b>Total Salary</b>	<b>281,000</b>
Bonus <i>(Supervisor &amp; Secy Only)</i>	9,000
Taxes	22,000
Workers Comp	<u>35,000</u>
Total	66,000
<b>Total Administrative</b>	<b><u>\$347,000</u></b>



# RIG EXAMPLES



**The TI-500** is as powerful as it is versatile. Its clean efficient design provides for high performance in a variety of well service, workover, and light drilling applications.

The cab and controls are state-of-the-art and designed for safe and efficient rig operation. The TI-500 comes standard with full controls and instrumentation including power view, giving the operators a full complement of diagnostic and performance read-outs.

The heavy-duty mechanical drawworks with band or disc brakes provides 41,500 lbs. single line pull and the simple yet powerful clutch design improved the rig performance while reducing weight and maintenance requirements.

The operator's console provides excellent visibility and a simple user-friendly control layout. Controls for all rig functions are easily accessible from the console. Additionally, the water resistant operators control panel is hinged for exceptional access for service and maintenance.

The TI-500 is the most popular service and workover rig in Taylor's line. The simple design, powerful powertrain and drawworks make the TI-500 ideally suited to a wide variety of oil and gas service and workover applications.

**TI-500**  
SERVICE & WORKOVER UNIT



**TI-500**  
SERVICE & WORKOVER UNIT

**THE TI-500**  
The TI-500 is one of the most popular rigs manufactured by Taylor Industries. The 104 ft. (31.7 m) / 240,000 lb. (108 MT) mast makes this unit a serious rig for heavy well service, workover, and light drilling. Mounted on a heavy duty 5-axle carrier, the TI-500 is powered by one 475 Hp engine and an automatic transmission. All critical maintenance points are easily accessed and brake adjustment is simple and straightforward. The rig is equipped with many standard features including rod basket, tubing board, work platform and deck mounted winch.

**DRAWWORKS**

Model	TI-260 (Disc) or DD42-154 (Band)
Single Line Pull	41,500 lbs.

**Hoisting Drum Information**

Main Barrel Dimensions	18.75 in. x 34 in.
Wire Line Size	1 in.
Wire Line (optional)	.675 in.
Drum Clutch	18 in. 3-Plate
Gearing	.6 Forward / 1 Reverse
Drive Chain	Double 160
Brake System	Dual 60 in. disc / 42 x 12 blocks
Brake Cooling	Air/Splash

**Sand Drum Information**

Sand Drum Diameter	12.75 in.
Standard Sand Line Size	.9/16 in.
Sand Line (optional)	.16,000 ft.
Drive Chain	Single 140
Brake System	Single 48 in. Disc / 42x12 blocks
Brake Cooling	Air/Splash

**MAST**

Model	104/240
Mast Height	104 ft.
No. of Lines to the Block	4, 6, or 8
API Capacity	240,000 lbs.
Drill Line Size	1 in.
Racking Board Height	55 ft. 7 in. / 66 ft. 7 in.
Rod Basket Height	78 ft. 7 in.
Traveling Block (optional)	150 ton 83A non-weighted

**Mast Raising System**

Raising Rams	2-3 Stage, Double Acting
Telescoping Ram	(1) Single Stage

**Guy Lines** (2) with Ratcheting Booms

**Wind Guys** (1) Set with Tail Chains

**Tubing Board Guys** (1) Set with Tail Chains

**POWER SYSTEM**

Engine	Caterpillar C-15F (Diet S-60)
Cylinders / Type	6 / 4-Stroke
Horsepower	475 Hp
Governed Speed	2,100 RPM
Air Cleaner	Single Dry Type
Emergency Stop	Standard

**Transmission**

Type	Alison or Caterpillar Drop Box
Gearing	.6 Forward / 1 Reverse

**AIR ELECTRICAL & HYDRAULIC**

Compressor	27 CFM
Electric System	12 Volt
Alternator	115 amp
Starter	12 Volt
Batteries	(3) 803-31
Hydraulic System	50 gpm / 2,000 psi

**CAB**

Type	Single Person (R or L drive)
Heater / Defroster	40,000 BTU
Drivers Seat	Air Ride
Mirrors	West Coast Style

**RIG LEVELING SYSTEM**

Leveling Jacks	(4) 12 in. Hyd. w/ Manual Lock
	(2) Screw Type

**CARRIER**

Type	5 axle, 10 x 4 Drive
Length w/ Mast	61 ft. 9 in.
Overhang, Front	15 ft. 5 in.
Axle to Front Bumper	5 ft.
Bridge Span	14ft. 10 in.
Rear Axle Spacing	55 in.
Rear Axle to Back of Rig	11 ft. 8 in.
Height (GTR)	14 ft. 1 in.
Estimated Pig Weight	90,140 lbs.

**AXLES - SUSPENSION**

Front	Tandem / Steerable
Axle Capacity	20,000 lbs. per axle
Suspension Type	Spring
Rear	Walking Beam w/ Air Pusher
Pusher Axle Capacity	23,000 lbs.
Tag Axle Capacity	20,000 lbs.

**Brakes**

ABS System	Standard Drum
Park Brake	Air

**Tires & Wheels**

Front Tires	425/65 R22.5 in.
Wheels	13 in. / 22.5 in.
Rear Tires	11R 22.5 in.
Rear Wheels	8 in. / 22.5 in.

**Frame**

Main Rails	21 in. 53 lbs./ft.
Frame Deck	3/16 in. Diamond Plate
Toe Pieces	Front & Rear
Front Bumper	Slant Type

**Paint**

Standard Paint	2 Non-Metallic Colors
----------------	-----------------------

\* Unit shown with optional equipment.