PERMANENT BRIDGE PLUG

PBP

PBP (Permanent Bridge Plug) is high pressure plug that constructed with cast iron. It can be set on E-line using GS Setting Kit or coil tubing using GS Hydraulic setting tool When set, opposing slips are located above and below rubber elements.

The elements are containedbackup ring to eliminate extrusion of the element at high pressure and temperature.



Spesification:

Tubing	Part Number	OD	Setting Range	Temp- Press
2 3/8" 9.3 PPF	GSPBP1800	2.25"	1.87"-2.04"	280 F - 5.000
2 7/8"9.3 PPF	GSPBP2875	2.25"	2.40"-2.65"	280 F - 5.000
3 1/2" 9.3 PPF	GSPBP3593	2.70"	2.87"-3.15"	280 F - 5.000
4 1/2"12.6-13.5 PPF	GSPBP4513	2.62"	3.85"-4.05"	280 F - 5.000
5 1/2" 17-20 PPF	GSPBP5520	4.40"	4.60"-5.05"	280 F - 5.000
7" 23-26 PPF	GSPBP7026	5.90"	6.27"-6.36"	280 F - 5.000

Contact Us:

+62 21 2524 915 marketing@globalbuana.com www.globalbuana.com Globalindo Buana

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Running Procedures

Attached setting tool on permanent bridge plug as follow :

- Make up tension sub and scope head on permanent bridge plug.
- Make up hydraulic setting tool or mechanical (DPU/ Omega) timer setting tool.

Using hydraulic setting tool :

- RIH on CTU once reach the depth, apply pressure 4000psi to active setting tool.
- At 2000 psi plug start set than increase pressure to 4000 psi to energize and pin will shear off.

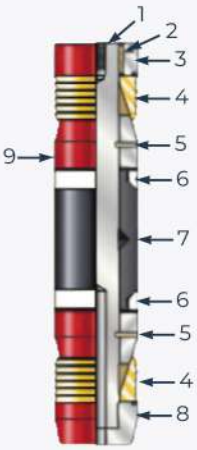
Using electrical timer Omega (N-2)/DPU :

- RIH with drift make sure tubing clear.
- Record the time consuming to set up timer in setting tool.
- RIH bridge plug assembly 150' per minutes.
- Once reach depth, check pick up weight recorded wait until the timer active.
- Monitor weight indicator.
- Once the tension drop, select the tool to confirmed bridge plug set.

Part of Permanent Bridge Plug

No	Part Name	Qty
1	Mandrel	1 EA
2	Ratchet	1 EA
3	Top Sub	1 EA
4	Slip	2 EA
5	Pin	2 EA

No	Part Name	Qty
6	Backup Ring	2 EA
7	Rubber Element	1 EA
8	Bottom Sub	1 EA
9	Wage	1 EA



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