EVOLV® + FracTrap™

FRAC BALL CONVEYANCE AND RETRIEVAL SYSTEM

REDUCE OVERALL COMPLETION COST

WITH TIME AND WATER SAVINGS

GEODynamics®

EVOLV® + FRACTRAP™ COMPOSITE PLUG SYSTEM

GEODynamics composite frac plug technology takes a dynamic step forward with EVOLV®. EVOLV®is the ideal response when the well completion requires a shorter, lightweight, fully molded composite frac plug without giving up on performance.

Made to be more efficient for field operations, EVOLV® eliminates many of the challenges for horizontal completions. Engineered to hold 10,000# of differential pressure, utilizing a novel setting kit that applies reliable consistent setting force, running ball in place without risk from failure to get injectivity all in an economic compact design make this plug stand out in the crowd.

FEATURES

- Robust compact design
- Risk free ball in place technology
- Positive lock up for drill out
- Composite or cast iron slip options available
- Unmatched engineering, manufacturing and quality control

BENEFITS

- Robust compact design aids in preventing pre-sets
- Significant pump time, and water savings averaging $45K per well
- Confidently run fracball in place without risk
- The ability to pressure test before perforating
- Proprietary composite materials decrease drill out times

EVOLV® - I

FULL COMPOSITE WITH QUICK CONNECT RING

CASING				PLUG						
Size	Weight	Min ID	Max ID	OD	ID	OAL	Ball Dia.	Temp	Pressure Rating	Part Number
4-1/2”	11.6 - 15.1	3.83	4.00	3.50	1.00	19.52	1.38	350˚	10,000	EFP-45-107X
5-1/2”	17.0 - 23.0	4.67	4.89	4.38	1.00	20.70	1.38	350˚	10,000	EFP-55-103X, 104X

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EVOLV® - I

FULL COMPOSITE

CASING				PLUG						
Size	Weight	Min ID	Max ID	OD	ID	OAL	Ball Dia.	Temp	Pressure Rating	Part Number
3-1/2”	9.2 - 10.2	2.92	2.99	2.72	0.63	17.72	0.88	350˚	8,000	EFP-35-100X
4”	9.5 - 11.0	3.48	3.55	3.25	0.63	18.54	1.13	350˚	10,000	EFP-40-100X
4-1/2”	11.6 - 15.1	3.83	4.00	3.50	1.00	22.23	1.38	350˚	10,000	EFP-45-100X, 101X
4-1/2”	11.6 - 15.1	3.83	4.00	3.50	1.00	19.52	1.38	350˚	10,000	EFP-45-106X
5”	18.0 - 21.4	4.13	4.28	3.88	1.00	24.00	1.38	350˚	10,000	EFP-50-100X
5”	23.2	4.00	4.00	3.50	1.00	22.23	1.38	350˚	8,000	EFP-45-100X
5-1/2”	17.0 - 23.0	4.67	4.89	4.38	1.00	24.00	1.38	350˚	10,000	EFP-55-100X, 101X
5-1/2”	17.0 - 23.0	4.67	4.89	4.38	1.00	20.70	1.38	350˚	10,000	EFP-55-105X, 106X
6”	22.3	5.25	5.25	4.70	1.50	25.11	2.00	300˚	7,000	EFP-60-100, 101
6”	24.0 - 27.5	5.06	5.20	4.70	1.50	25.11	2.00	300˚	8,000	EFP-60-100X, 101

EVOLV® - II

HYBRID SLIP

CASING				PLUG						
Size	Weight	Min ID	Max ID	OD	ID	OAL	Ball Dia.	Temp	Pressure Rating	Part Number
4-1/2”	11.6 - 15.10	3.83	4.09	3.50	1.00	20.12	1.38	300˚	10,000	EFP-4501-0000-10-HY
5-1/2”	17 - 23	4.67	4.89	4.38	1.00	21.87	1.50	300˚	10,000	EFP-55-102X

FracTrap™

SPECIFICATIONS								
Size	Weight	OD	ID	OAL	Ball Dia.	Flow Back	Setting Force	Part Number
3-1/2”	9.2 - 10.2	2.72	1.44	23.88	0.88	1 BPM	10,000 LBS	FBR-3525-0000
4”	9.2 - 11.0	3.25	1.44	22.57	1.13	1 BPM	10,000 LBS	FBR-4010-0000
4-1/2”	11.6 - 15.1	3.50	2.00	24.34	1.38	2 BPM	20,000 LBS	FBR-4502-0000C, B
5”	18.0 - 21.3	3.88	2.00	24.34	1.38	2 BPM	20,000 LBS	FBR-5002-0000C, B
5-1/2”	17.0 - 23.0	4.38	2.28	25.81	1.38	2 BPM	30,000 LBS	FBR-5502-0000C, B
6”	22.3 - 27.5	4.70	3.00	27.38	2.00	2 BPM	30,000 LBS	FBR-6000-0000

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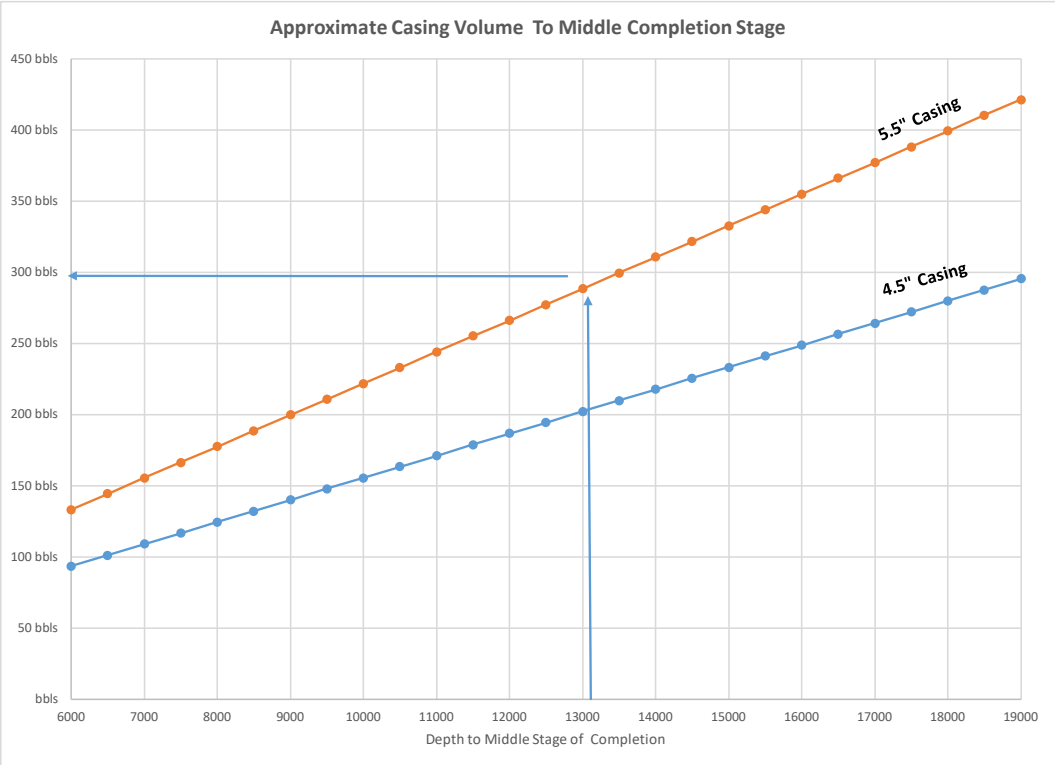
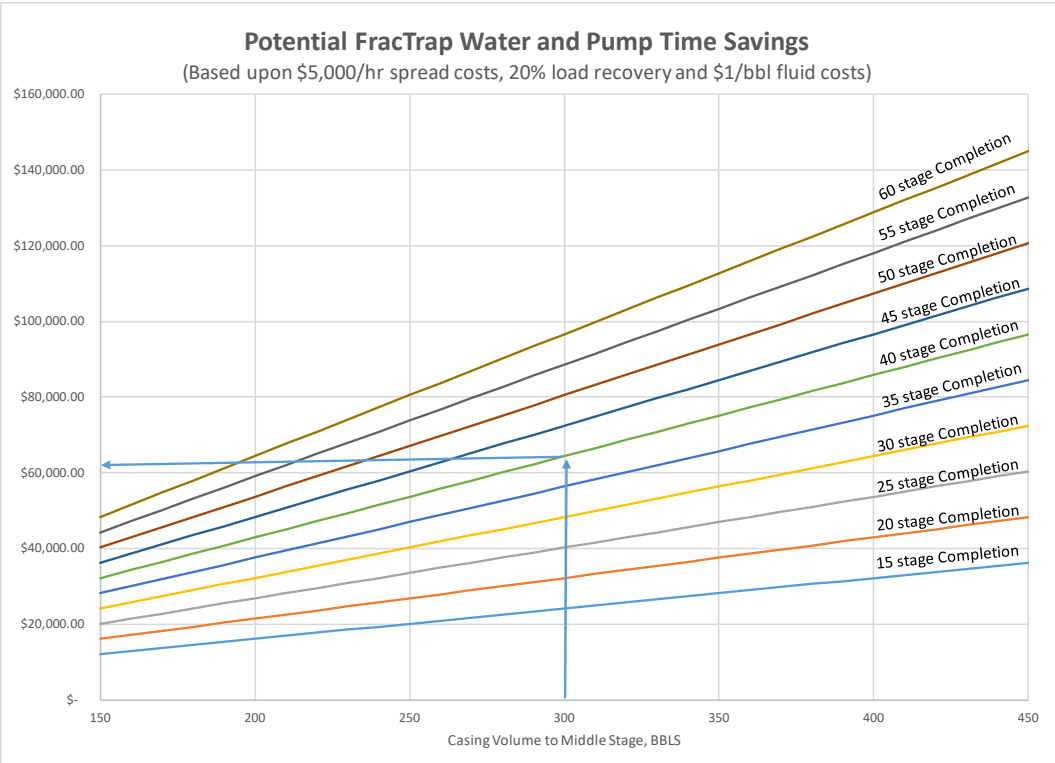


STEP 1:

Determine your casing volume to middle stage of your completions for the appropriate casing size.



STEP 2:

Using casing volume to the middle stage of completion along with the number of planned completion stages, you can estimate potential savings.

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