

➤ Performance 12 ¼" Section Offshore Drilling:



12 ¼ VION™-616 - Bit Vibration Mitigation and Faster ROP in a Reactive 3,000 ft Interval:

APPLICATION

Vertical/Rotary Application from Lower Aruma Shale to Buwaib Formations

TECHNOLOGY

G1 Step Gage Setting in Combination with F³ Cutters Series

LOCATION

SFNY Field Kingdom of Saudi Arabia

CUSTOMER CHALLENGE

Drill interbedded formations from LAMS to Casing point in BUWB Formation through challenging Interbedded formation with challenging lithology changes requiring high Toughness Resistance cutters to optimize performance and maximize ROP.

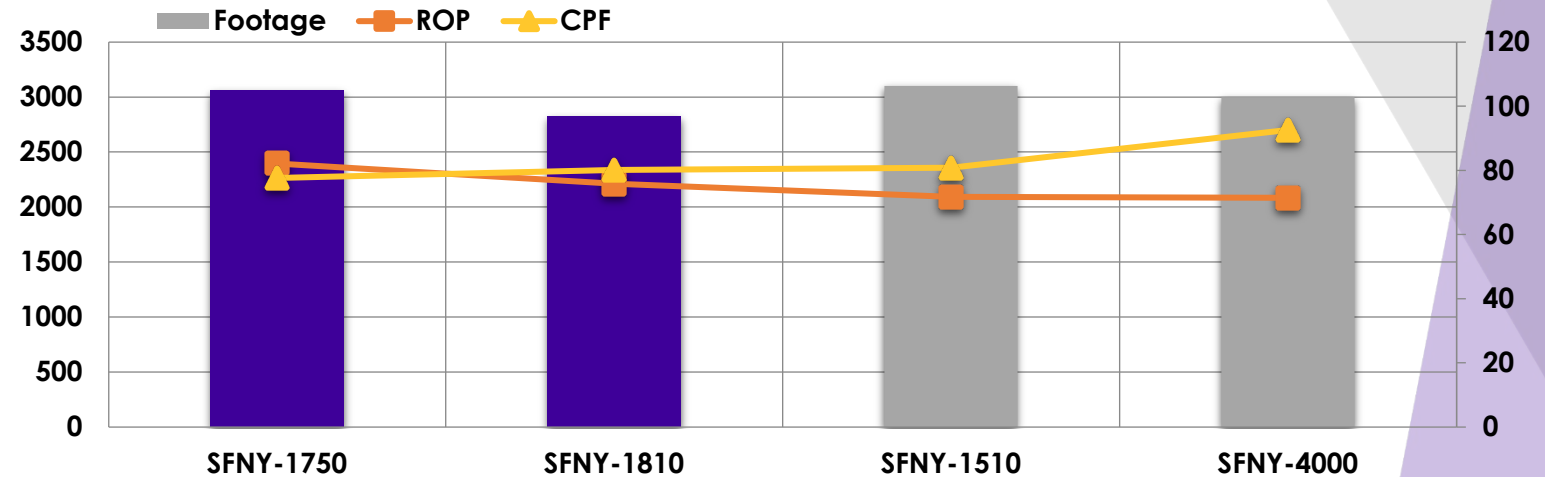
CUSTOMER VALUE

Matrix Body bit designed to minimize erosion risk in high flow environments, with **6 Blades** optimizing the aggressiveness in the cutting structure and maximizing the stability in force load distribution, improving cleaning areas and cuttings evacuation, **16mm Force³ Cutting Structure** creating efficient cutting action maximizing Rate of Penetration.

VAREL'S RESULTS

With our features combination in Rotary Application, the parameters applied and the crew efficiency optimizing the connections time, achieved 9% improvement in average ROP and CPF reduction of 6% in comparison with the offset wells with 2% extra footage with the savings involved in this optimization

Date	Well	By Type	Depth _{in}	Depth _{out}	FTG	ROP	CPF	Dull Grading	Drive
16-Feb-23	SFNY-1750	V616PG1RI	4,486	7,544	3,058	82.09	77.63	1-1-WT-S-X---TD	ROTARY
26-Jun-22	SFNY-1810	V616PG1RI	4,667	7,490	2,823	75.79	80.09	1-2-WT-A-X---TD	ROTARY
1-Jun-22	SFNY-1510	M1965SS	4,555	7,656	3,101	71.70	80.82	1-1-CT-S-X-0--TD	ROTARY
30-Aug-22	SFNY-4000	MDSI616C	4,819	7,818	2,999	71.40	92.55	1-2-CT-S-X-0--TD	ROTARY



12 ¼" V616PG1RI

6 blades

16mm Cutters

Step Gage Setting

