



PREMIUM DRILLING TOOLS, Pty Ltd

Santos

PERFORMANCE REPORT

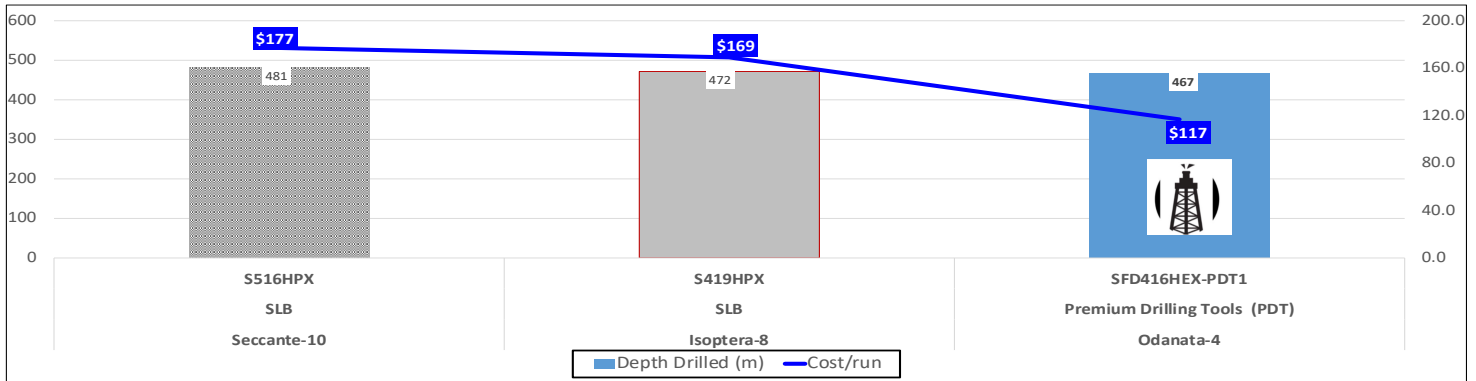
FASTDRILL™ new PDT design

8 1/2" SFD416HEX-PDT1

XL Force® cutters & optimized hydraulics drilled with FASTEST ROP to TD as new record by "Fit For Purpose" design for Santos Oil wells – Cooper fields

Region: Eromanga – PPL 36
South Australia
Rig: SLR-188
Lith: Silt St, Sand St
Av. UCS: 5~10 kpsi
Bit Type: SFD416HEX-PDT1™
Serial #: PDT2035
BHA: PDM
Depth In: 504 m
Depth Out: 971 TVD
Interval: 467m
On.Btm Hrs: 5.4 hrs
Av.ROP: 106.1 m/hr
Final Dull: 0-0-NO-X-X-I-NO-TD

First run



Total PURE Savings by PDT design vs. Offset FIRST RUN (USD)	\$/m Average Offset	\$/m PDT well	Drilled m	\$ 28,180
	177.3	117.0	467	

$$\text{Cost per meter (IADC)} = \frac{\text{Bit Cost} + \left(\text{Drilling hours} + \frac{\text{Depth Out}}{\text{Trip rate}} \right) \times \text{Rig Rate}}{\text{Interval Drilled}}$$

General estimated figures	
Trip Rate (m/hr)	300
Estimated Rig Rate \$/hr	3,500

Run summary: Four wells drilled with FASTDRILL™ to TD with FASTEST ROP vs. offset wells

Well name	MAKE	MODEL#	BHA	MD In (m)	Depth Out (m)	Depth Drilled (m)	Drilling Hours	Ave ROP (m/hr)	Cost/m (USD)	Av. Cost/run	Serial#
Odanata-4	Premium Drilling Tools (PDT)	SFD416HEX-PDT1	PDM-Vertical	504	971	467	5.4	86.5	116.7	103.9	PDT2035
Alwyn-10			PDM-Vertical	502	963	461	4.9	94.1	114.2		
Ulandi-18			PDM-Vertical	12	972	960	9.4	102.1	71.3		
Wallace-3			PDM-Vertical	506	974	468	5.0	93.6	113.5		