

SEPLAT PETROLEUM DEVELOPMENT COMPANY

Nigeria



16" G13SH

Well: OKPORHURU 6

Field: OKPORHRU

Rig: CDS-201

Geology: Sand and Shale sequence typical of Niger / Delta Geology

Objective: Spud well, drill directionally to 6,500..

Results: *TERCEL Technology increases ROP by 30% over the closest bit while steering compared to competitors' leading products.*

June 2013

Well	Bit	MANF.	S/NO	IADC	In	Out	Ftg	ROP	Dull Grading
OKPORHURU-6	G13SH	TERCEL	SIIB4612	135	429	6112	5683	72.9	3-2-WT-A-E-1/16-NO-PR
OKPORHURU-5	VU-KLS41XE	VOLGARBURMASH	8050207	415	258	6515	6257	50.1	2-3-WT-A-F-1/8-WT-TD
OKPORHURU-4	GS03	SMITH (ANAJUL)	PW3050	415X	1004	4296	3292	52.7	1-1-WT-A-E-I-NO-TD

BIT DETAILS	
BIT TYPE	G13SH
S/N	SIIB4612
IADC	135
NOZZLES	1X22/32, 2X20/32, 1X18/32CJ
GAGE	TCI
CUTTING STRUCTURES	STEEL WITH TC HARD FACING

- Maximum Average ROP** Due to the large cone offset and deep intermesh steel tooth design, the bit will drill loose unconsolidated formations with high average penetration rate. 0 – 1000PSI UCS.
- ST Technology** The ST cutting structure is strengthened with Tungsten Carbide hardfacing for improved wear resistance. ST improves the drilling efficiency of the cutting structure with trimmer pads that remove uncut rock ribs at the corner of the hole, relieved cone steel, aggressive tooth pitches and active shear cutting gauge compacts.
- Elastomer Bearing** The G1 line features an O-ring sealed ball and roller bearing. These bits are recommended for high rpm drilling and directional applications where hole sections and hours on bit are reduced.
- Gauge Enhancement Package (G)** The gage is enhanced with Tungsten Carbide button that makes the bit recommended

for directional and highly abrasive applications. On steel tooth bits a full complement of carbide inserts are placed on the gauge.

Center Jet (C) A fourth jet is positioned in the center of the bit and utilized to Prevent bit balling and the associated reduction in penetration rate.