

<b>OPERATOR</b>	ELCREST / NPDC JV		<b>SIZE / BIT TYPE</b>	12 1/4" /MPM823	
<b>WELL NAME</b>	OPUAMA-11		<b>IADC</b>	M322	
<b>FIELD</b>	ELCREST - OPUAMA		<b>S/N</b>	S4J3618	
<b>COUNTRY</b>	NIGERIA		<b>RUN DATE</b>	30/08/2018	
<b>CONTRACTOR / RIG NAME</b>	OES TEAMWORK		<b>BCR DATE</b>	11-Sep-18	
<b>RUN DETAILS</b>		<b>PARAMETERS</b>		<b>MUD DETAILS</b>	
Depth In / tvd	3359' / 3073'	WOB (Tons)	12 / 20	Type	OBM
Depth Out / tvd	9,985' / 7,914'	RPM	110 / 120	MW (PPG)	11.0
Footage	<b>6,626'</b>	Flow (GPM)	800 / 900	PV/ YP	25 / 30
Hours	141.3	SSP (PSI)	3,700	Visc. (s/qt)	95
ROP	46.9'/HR	W. Loss		Oil / Water%	60 / 22
				Nozzles	5X14, 3X13
				H.S.I.	2.81
				P. Drop (PSI)	630
				JIF (lbs)	1,297
				Jet Vel. (ft/sec)	253

FORMATION TOPS		
FORMATION TOPS (MD / TVD)	FORMATION NAME	LITHOLOGY / DESCRIPTION
8741'md / 7269'tvd	D2000 080818	
9285'md / 7558'tvd	D3500 080818	
9673'md / 7764'tvd	D4000 080818	

DRIVE SYSTEM				INCLINATION IN DEG	INCLINATION OUT	Azim. In	Azim. Out
Make	XCEED 900	Size	12 1/8"	49.24	4.22	18.01	99.34
Type	POWER DRIVE	Revs./Gal	NA				
Lobes	NA	P.Drop	NA	4.22	58.15	99.34	192.45

12 1/4" HOLE SECTION PROFILE	BOTTOM HOLE ASSEMBLY	Before Run	After Run																																	
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IADC DULL GRADE										
Cutting Structure					BEARINGS/ SEALS		GAGE	OTHER DULL CHAR.	REASON PULLED	
	INNER	OUTER	MAJ. DULL CHAR.	LOCATION						
<b>RIG DULL</b>	1	2	WT	A	X	X	X	I	NO	TD
<b>TDL DULL</b>	1	2	WT	A	X	X	X	I	NO	TD

**Dull Description / Comments**

• The 12 1/4" **MPM823** PDC bit drilled out 13 3/8" shoe track from 3340'md • Dropped inclination from 49.24 degree to 4.22 degree according to plan. • Changed azimuth from 18.01 degree to 99.34 degree according to plan. • Built Inclination from 4.22 degree to 58.12 degree and Azimuth from 99.34deg to 192.45 degree according to plan. • Drilled to well TD @ 9,985'md, with interval of 6,626' in 141.3hrs. Rate of penetration was controlled because the rig solid control equipment could not handle the volume of cuttings generated.