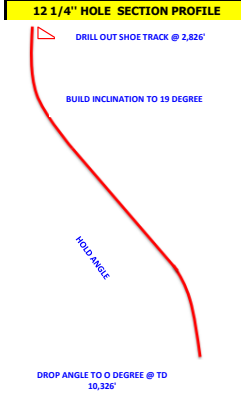


OPERATOR	ELCREST / NPDC JV		SIZE / BIT TYPE	12 1/4" /MPM823	
WELL NAME	GBETIOKUM-3		IADC	M322	
FIELD	ELCREST - OML-40		S/N	S413619	
COUNTRY	NIGERIA		RUN DATE	12-Nov-18	
CONTRACTOR / RIG NAME	OES TEAMWORK		BCR DATE	17/12/82018	
RUN DETAILS			PARAMETERS		HYDRAULICS
Depth In / bvd	2,860' / 2,860'	WOB (Tons)	12 / 20	Type	OBM
Depth Out / bvd	10,326' / 10,326'	RPM	135	MW (PPG)	9.8
Footage	7,466.00	Flow (GPM)	800 / 900	PV/ YP	28 / 23
Hours	128.31	SSP (PSI)	4,500	Visc. (s/qt)	95
ROP	58.19	W. Loss		Oil / Water%	76 / 24
				Nozzles	4X14, 3X15
				H.S.I	1.95
				P. Drop (PSI)	438
				JIF (lbs)	1,021
				Jet Vel. (ft/sec)	224

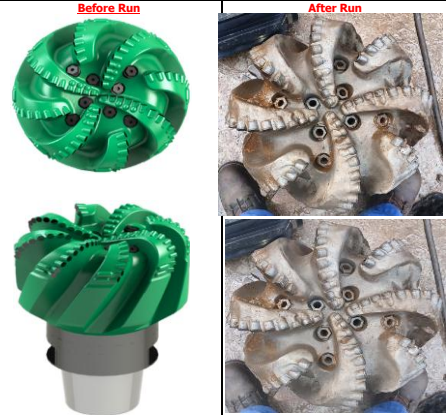
TWO RUN RECORDS OF 12 1/4" MPM823 IN GBETIOKUN-3 WELL

WELL NAME	S/N O	DEPT IN	DEPT OUT	INT	HRS	ROP	INCL IN/OUT	AZI IN / OUT	GPM	WOB	I	O	D	L	B	G	O	R	
GBETIOKUN-3	S413619	2860'	9704	6844	100.85	67.86	0/19	290/200	900	15	1	0	CT	C	X		IN	ER	RIG
GBETIOKUN-3	S413619RA	9704	10,326	622	27.46	22.65	19/0	200/40	900	15	1	1	ER	A	X		IN	CT	TD

DRIVE SYSTEM				INCLINATION IN DEG	INCLINATION OUT	Azim. In	Azim. Out
Make	XCEED 900	Size	12 1/8"	0	19	290.00	200.00
Type	POWER DRIVE	Revs./Gal	NA				
Lobs	NA	P.Drop	NA	19	0	200.00	90.00



BOTTOM HOLE ASSEMBLY			
DESCRIPTION	MANUF	OD	
MPM823 PDC BIT	DDS / TER	12 1/4"	
Xceed 900	SLB	12 1/8"	
ARC-8 / APWD	SLB	9 1/4"	
Telescope 825 NF	SLB	8.375"	
SADN-8	SLB	12 1/8"	
NM String Stab	SLB	8.25"	
CROSSOVER SUB	OES	8"	
10X5 HWDP	OES	5"	
HE DRILLING JAR	SLB	6"	
5" HWDP	SLB	5"	
Combination of one EPDP per stand and 19.50 DPS, premium 16 standard DP to surface	OES / AOSORWE LL	6.625"	



IADC DULL GRADE											
Cutting Structure				MAJ. DULL CHAR.	LOCATION	BEARINGS/ SEALS			GAGE	OTHER DULL CHAR.	REASON PULLED
INNER	OUTER										
RIG DULL	1	1		ER	A	X	X	X	I	NO	TD
TDL DULL	1	1		ER	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 2826'nd • Build inclination from 0 degree to 19 degree according to plan. • Drop inclination back to 0 degree at TD. *There was Azimutal changes from 280 degre to 90 degree at TD.