



OPERATOR	SNEPCO	SIZE / BIT TYPE	12 1/4" /MR716
WELL NAME	BONGA-63	IADC	M222
FIELD	BONGA	S/N	S4J3609
COUNTRY	NIGERIA	RUN DATE	31/7/2018
CONTRACTOR / RIG NAME	ENSCO / DS-10	BCR DATE	

RUN DETAILS		PARAMETERS		MUD DETAILS		HYDRAULICS	
Depth In / tvd	7,810' / 7,791.9'	WOB (Tons)	15 / 30	Type	SOBM	Nozzles	7 X 18/32
Depth Out / tvd	13,236' / 10,104'	RPM	70 / 120	MW (PPG)	10.8	H.S.I.	1.6
Footage	5,426'	Flow (GPM)	800 / 995	PV/ YP	31/23	P. Drop (PSI)	325
Hours	23.19	SSP (PSI)	3600 / 4280	Visc. (s/qt)	99	JIF (lbs)	1,021
ROP	234'/HR	W. Loss		Oil / Water%	59 / 25	Jet Vel. (ft/sec)	186

Formation & Lithology

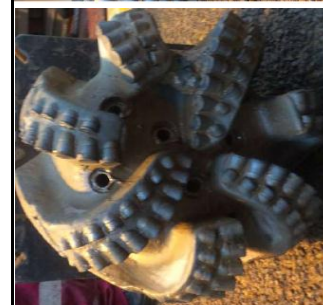
Formation Tops (MD)	Formation Name	Lithology & Description

DRIVE SYSTEM

DRIVE SYSTEM				INCLINATION IN	INCLINATION OUT	Azim. In	Azim. Out
Make	XCEED 900	Size	12 1/8"	20	75	207.00	206.50
Type	POWER DRIVE	Revs./Gal	NA				
Lobes	NA	P.Drop	NA				

Bottom Hole Assembly

Type	OD (in)	Length (f)	TOTAL (f)
BIT	12 1/4"	1.13	1.13
XCEED 900	12 1/8"	28.37	29.50
GEOSPHER 825 TRANSMITTER	9.1"	14.55	44.05
ARC 8	9.1"	19.3	63.35
GEOSPHER 825 RECEIVER	9.1	14.57	77.92
TELESCOPE 825HF	8.4	27.41	105.33
GEOSPHERE 825 RECEIVER 2	9.1	14.75	120.08
SADN-8 / 12" STAB	12	29.87	149.95
8" NMDC	8	29.11	179.06
WBRT	12		
4 X 8 1/4" SPIRAL DC	8.25"		
CROSS OVER	7.825"		
18 X 5 1/2" HWDP	7.575"		
CROSS OVER	7.82"		
HYDROMECHANICAL DRILLING JAR	8"	33.46	903.00
XO	8.25"		
9 X 5 1/2" HWDP	7.375"		
5 1/2" 24.70 DP	125		
XO	7.825"		
6 5/8" 34 DP TO SURFACE.	8.125"		
TOTAL BHA			



IADC DULL GRADE

Cutting Structure					BEARINGS/ SEALS			GAGE	OTHER DULL CHAR.	REASON PULLED
	INNER	OUTER	MAJ. DULL CHAR.	LOCATION						
RIG DULL	1	1	WT	A	X	X	X	1	CP	TD
TDL DULL	0	0	NO	A	X	X	X	I	LC	TD

Dull Description / Comments

Two cutters on the blade number 7 were lost due to severe impact blow on the cutters. The matrix body supporting the positions of the two cutters became exposed to direct formation contact there by wearing the matrix flat. The Bit achieve its directional objectives, built angle from 20 degree inclination to 75 degree inclination. It delivered all dogleg severity it was programmed to delivered, was highly stable with exceptional directional control.



OPERATOR	SNEPCO		SIZE / BIT TYPE	12 1/4" /MR716 RUN#2	
WELL NAME	BONGA-65		IADC	M222	
FIELD	BONGA		S/N	S4J3609	
COUNTRY	NIGERIA		RUN DATE	30/09/2018	
CONTRACTOR / RIG NAME	ENSCO / DS-10		TD DATE	01/10/2018	
RUN DETAILS		PARAMETERS		MUD DETAILS	
Depth In md / tvd	6,460' / 6,252'	WOB (Tons)	16/25	Type	SOBM
Depth Out md / tvd	12,800 / 7,348	RPM	120 / 150	MW (PPG)	10.3
Footage	6,340.00	Flow (GPM)	950 / 1150	PV/ YP	28 / 23
Hours	26.77	SSP (PSI)	3740 / 5720	Visc. (s/qt)	114
ROP	236.8	TORQUE KIB/FT	8 / 13'	Oil / Water%	60 / 26
				Nozzles	7 X 18/32
				H.S.I.	2.36
				P. Drop (PSI)	414
				JIF (lbs)	1,301
				Jet Vel. (ft/sec)	212

OTHER MOST RECENT RUN RECORDS OF 12 1/4" MR716 IN OTHER WELLS

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	
BONGA-63	S4J3609	7810	13238	5426	23.19	234	20/75	207/206	995	15/30	0	0	NO	A	X	IN	LC	TD	

DRIVE SYSTEM				INCLINATION IN	INCLINATION OUT	Azim. In	Azim. Out
Make	XCEED 900	Size	12 1/8"	38	82.2	252.00	251.30
Type	POWER DRIVE	Revs./Gal	NA				
Lobes	NA	P.Drop	NA				

Bottom Hole Assembly			
Type	OD (in)	Length (f)	TOTAL (f)
BIT	12 1/4"	1.13	1.13
XCEED 900	12 1/8"	28.37	29.50
GEOSPHER 825 TRANSMITTER	9.1"	14.5	44.00
ARC 8	9.1"	19.35	63.35
GEOSPHER 825 RECEIVER 1	9.1	14.43	77.78
TELESCOPE 825HF	8.4	27.77	105.55
GEOSPHERE 825 RECEIVER 2	9 1/5	16.29	121.84
NMDC	8	29.11	150.95
SPIRAL DRILL COLLAR	8 1/4	31.14	182.09
WBRT	6.34	11.94	194.03
SPIRAL DRILL COLLAR	8 1/4	93.38	287.41
6 5/8"REG 5 1/2" GPDSS55	8 5/8	4.63	292.04
5.5" HWDP	5 1/2	556.67	848.71
CROSS OVER	8 1/4	4.52	853.23
HYDROMECHANICAL DRILLING JAR	7.88	33.52	886.75
XO	7 1/8	4.63	891.38
5 1/2" HWDP	5 1/2	278.63	1170.01
5 1/2" DP	125	5280.59	6450.60
TOTAL BHA			

Before Run

After Run

IADC DULL GRADE

Cutting Structure				LOCATION	BEARINGS/ SEALS			GAGE	OTHER DULL CHAR.	REASON PULLED
INNER	OUTER	MAJ. DULL CHAR.								
RIG DULL	1	2	CT	G	X	X	X	I	WT	TD
TDL DULL					X	X	X			

Dull Description / Comments