



Chevron Bangladesh Drilling Morning Report

Date: 11/12/2013

Well Name: Bibiyana -19

Total Time: 24.67

Rpt No: 26

Slot: 7

Rig: WDI 801

End Date:

Time from Spud: 24.06

Hours: 24.00

SBU Drilling Well Category : Drlg Well Category 1

Days Since Last DAFW / RI Case : 1,099 / 143

Depth End (MD) (mKB): 3,038			TVD End (mKB): 2,761.43		
Field Name	Original Spud Date	Country	Water Depth (m)	Original KB to Mud Line (m)	
Bibiyana	6/13/2013	Bangladesh			
Actual Start Date	Actual End Date	Target Depth (MD) (mKB)	4,410	Target Depth (TVD) (mKB)	3,865.89
7/19/2013 08:30					
AFE/WBS Number			Total AFE Amount (Cost)		
100794			22,183,123		

Safety/Inspections

Date	Safety Check	Tour	Des
11/12/2013 00:00	Pre-Job Meeting	Night	Gen. Forklift Ops @BYWP
11/12/2013 00:00	Pre-Job Meeting	Night	Welding, cutting, grinding at Workshop @BYWP(PTW)
11/12/2013 00:00	Pre-Job Meeting	Night	Gen. Crane Lifting @BYWP
11/12/2013 00:00	Pre-Job Meeting	Night	Rig service using man ridding @BYWP(PTW)
11/12/2013 04:30	PTW Audit	Night	Welding, cutting, grinding at Workshop
11/12/2013 06:00	Pre-Job Meeting	Day	Gen. Crane Lifting @BYWP
11/12/2013 06:00	Pre-Job Meeting	Day	Diesel transfer @BYWP(PTW)
11/12/2013 06:00	Pre-Job Meeting	Day	Use of camera at rig side @BYWP(PTW)
11/12/2013 06:30	Pre-Job Meeting	Day	Gen. Forklift Ops @BYWP
11/12/2013 06:30	Pre-Tour Safety Meeting	Day	w/Kamal Ent., RADAR Cards, Tnt#02 @BYWP
11/12/2013 06:30	Pre-Job Meeting	Day	Gen. Housekeeping (K/E) @BYWP
11/12/2013 08:00	Pre-Job Meeting	Day	Service De-watering generator at NOV @ BYWP (PTW)
11/12/2013 08:30	PTW Audit	Day	Gen. Forklift Ops
11/12/2013 09:15	Pre-Job Meeting	Day	Man ridding for TDS work @ BYWP (PTW)
11/12/2013 11:00	Safety Procedures	Day	T-Card Audit
11/12/2013 11:30	Pre-Tour Safety Meeting	Day	RADAR, Ops, Tnt#02 & GEMS#04 @BYWP
11/12/2013 11:30	Pre-Job Meeting	Day	Service crane engine @BYWP (PTW)
11/12/2013 12:00	Pre-Job Meeting	Day	Welding, cutting, grinding at Casing area @BYWP(PTW)
11/12/2013 12:15	Pre-Job Meeting	Day	Gen. Forklift Ops @BYWP
11/12/2013 12:15	Pre-Job Meeting	Day	Gen. Crane Lifting @BYWP
11/12/2013 13:30	PTW Audit	Day	Diesel transfer
11/12/2013 13:30	Pre-Job Meeting	Day	Man ridding for TDS work @BYWP(PTW)
11/12/2013 14:30	PTW Audit	Day	Service De-watering generator at NOV
11/12/2013 14:30	PTW Audit	Day	Service crane engine
11/12/2013 17:00	Safety Meeting	Day	Ops. Review, Tnt#02 @BYWP
11/12/2013 18:30	Pre-Tour Safety Meeting	Night	w/Kamal Ent., RADAR Cards, Tnt#02 @BYWP
11/12/2013 18:30	Pre-Job Meeting	Night	Gen. Housekeeping (K/E) @BYWP
11/12/2013 19:30	Safety Procedures	Night	T-Card Audit

Safety / Environmental Incidents

Incident Cat.	Incident Desc
	No safety or environmental incident.

Daily Operations

Report Start Date			Report End Date		
11/12/2013 00:00			11/13/2013 00:00		
Daily Field Est Total (Cost)	Cum Field Est To Date (Cost)	Daily Mud Field Est (Cost)	Cum Mud Cost to Date (Cost)	Drilling Hours (hr)	Cum Rotating Hrs on Casing
215,377	6,017,434	5,864	499,209		
Operations Summary					
Continued to RIH from 1545m to 2595m. Tight spot @ 2595m. Ream down from 2587m to bottom @ 3038m. Circulated bottoms up, Pump hi-vis and circulated out of hole bottoms up, POOH from 3038 to 2762m.					
Comments					
00:00 - 05:00 Continue to POOH F/ 2562m T/1100m.					
Max Drill Gas	Avg Background Gas			Head Count	
				147.0	

Required Mats next day

Halliburton batch mixer in customs.

CCTV: driller has camera for derrick,stabbing board, mud pump. STP recorder non-operational. In Customs waiting release with CDVat payment

Drillers MD Totco monitor at Rig floor, Not in service. Last week December

Iron Roughneck spinners, not in service because of bad hydraulic leak. No spare seals on location. Waiting for lead-time from Germany

Drillers rig floor communciation hands free microphone not working. Repair only – Hands-free repair kit in Customs waiting release

No back up flow line encoder for SLS. MD Totco flowline indicator not reading. WDI flowline sensor ETA 15th Dec CD Vat Clearance. SLS. Ordered waiting on DHL delivery.



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Safety Observation Cards

# Rpts	Com
81	"Observed two screw driver in the back pocket of a crew while sitting in the Training room for meeting. Stopped him and discussed the hazard, he agreed. Tenet #4 HASAN ARAFAT-WDI-Roustabout "

Daily Contacts

Contact
Shayne Atkins
Stephen Joubert
Mahbubur Rahman
Ismail Hossain
Jay Darder

Time Log

Start Time	End Time	Phase	Activity	Dur (hr)	Unsched Event?	UE Time (hr)	UE Ref No.	Com
00:00	03:00	INTCSG2, CSGCMT	TIH	3.00	Yes	3.00	19	Continue to RIH F/ 1545 m T/2585m.
03:00	09:00	INTCSG2, CSGCMT	REAM	6.00	Yes	6.00	19	Ream down F/2585 T/2773 m.
09:00	09:30	INTCSG2, CSGCMT	UNITRPR	0.50	Yes	0.50	23	Trpuble shoot and repair Top Drive. VFD Fault showing.
09:30	21:00	INTCSG2, CSGCMT	REAM	11.50	Yes	11.50	19	Continue reaming down F/2773 T/3038m. Pushing junk downhole. Encountered high torque from junk trying to pass bit.
21:00	23:00	INTCSG2, CSGCMT	CC	2.00	Yes	2.00	19	Finish reaming to bottom and while circulating B/U continue to mill suspected junk left in the hole from dropped 9 5/8" casing fish.
23:00	00:00	INTCSG2, CSGCMT	TOH	1.00	Yes	1.00	19	Trip out the hole wet from bottom to 2762m.

Personnel

Company	Total Headcount	SSE
Chevron	20	
Weatherford	14	Rig Expat
Weatherford	42	Rig National
Weatherford	25	Shamolima Catering
Aker-Kvaerner	1	Wellhead Eng
Weatherford	3	LWD/MWD
Halliburton	5	Cementing
Weatherford	2	DD
MI Swaco	2	Mud Engineers
Gyrodatta Inc	0	Gyrodatta
Weatherford	7	TRS
NOV - Fluids Services	0	Solids Control
HAL - Wireline	5	Wireline
Weatherford	5	SLS
Weatherford	0	Ayun ent
Chevron	1	PetroBangla
Smith International	0	Inspection
Weatherford	4	Completion/Liner hands
Chevron	0	WWT
Weatherford	0	BanglaCat
Weatherford	0	Bangla Industrial
Chevron	0	Hunting Casing
Weatherford	11	NOV Tech
Weatherford	0	WWS
Chevron	0	HES
Weatherford	0	SPM
Weatherford	0	MD Totco Tech



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Mud Checks

Date 11/12/2013 22:00	Depth (MD) (mKB) 3,038.0	Depth (TVD) (mKB) 2,761.43	Mud/Brine Type NAF	Sample Source Active Pit	Checked By
Flow Line Temperature (°C) 120.0	Fluid Density (lb/gal) 11.50	Gel 10 sec (lb/100ft²) 17.0	Gel 10 min (lb/100ft²) 28.0	Gel 30 min (lb/100ft²) 30.0	YP Calc (lb/100ft²) 20
Vis 3rpm 10	Vis 6rpm 11	Vis 300rpm 51	Vis 600rpm 82	Funnel Viscosity (s/qt) 73	PV Calc (Pa·s) 0
pH	Chlorides (mg/L) 58,000	CaCl₂ (mg/L) 259,364.00	Electric Stability (V) 630.0	Water Phase Salinity (mg/L) 312,700	ROC (Wet) (% by wt) (lb/lb)
Filtration Sz (µm)	High Gravity Solids (lb/bbl) 185.43	Corrected Solids (%) 17.13	Retort Solids (% by Volume) (%) 19.55	Retort Water by Volume (%) 19.95	Retort NAF by Volume (%) 60.50
NAF/Water Ratio 75.2/24.8	NaCl (mg/L)	API Filtrate (cc/30min)	API Filter Cake (1/32")	HTHP Filtrate (cc/30min) 3.4	HTHP Filter Cake (1/32") 1

Weather Conditions

Wave Ht (m)	Swell Ht (m)	Wave Dir (°)	Wind Spd (knots)	Wind Dir	P Bar (mmHg)	T High (°C)	T Low (°C)	Visibility (km)

Support Vessels

Vessel Name	Vessel Type	Arrival Date	Depart Date	Note

Unscheduled Events

Reference No.	Start Date	End Date	Event Type	Unsch Maj Cat	Unsch Detail	Description	Accountable Party	Contractor
19	11/11/2013	11/12/2013	NPT	FSH	OH	Dropped 9 5/8" shoe track and 6 jts of casing in the hole due to misoperation of FMS and spider elevator. Fish and hole recovery operations.	Operator's Other Contractors	Weatherford - Casing & Tubing Running, Tubular Running
23	11/12/2013	11/12/2013	NPT	RREQ	TOP DRIVE	VFD fault showing on TDS. Loose cable connections in service loop. Troubleshoot same.	Rig Contractor	Weatherford - Accessories, Drilling
19	11/12/2013		NPT	FSH	OH	Dropped 9 5/8" shoe track and 6 jts of casing in the hole due to misoperation of FMS and spider elevator. Fish and hole recovery operations.	Operator's Other Contractors	Weatherford - Casing & Tubing Running, Tubular Running

Mud Additive Amounts

Des	Date	Rec	Consumed	On Loc
Barite	11/12/2013		12.0	51.0
Base Oil Df1	11/12/2013	40.0		206.0

Job Supply Amounts

Supply Item Des	Date	Received	Consumed	Cum On Loc
Diesel	11/12/2013	0.0	14,718.0	141,265.0

Drill String/BHA

BHA #10, Cleanout

Bit Run 10	Drill Bit 12 1/4in, ATJ-G8, 5186660	Length (m) 0.30	IADC Bit Dull -----	Bit Total Fluid Area (nozzles) (in²) 0.79	BHA ROP (m/hr)
Nozzles (1/32") 16/16/16/16	String Length (m) 271.14	Max Nominal OD (in) 6.500			

String Components

Hughes Christensen ATJ-G8, 12 1/4" Tri-Cone., 12" N.B. Stab, 8" Drill Collar, 11 3/4" Stg Stab, X/O 4 1/2IFB x 6 5/8, 3 x 6-1/2" DC's, 3 x 5" HWDP, 6 1/2" Jar, HWDP

Comment

BHA to cleanout 12 1/4" hole section

String/BHA Components

Item Des	Len (m)	Mass/Len (lb/ft)
HWDP	159.41	49.30
6 1/2" Jar	9.68	
3 x 5" HWDP	28.05	49.30
3 x 6-1/2" DC's	28.22	
X/O 4 1/2IFB x 6 5/8	1.10	



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String/BHA Components

Item Des	Len (m)	Mass/Len (lb/ft)
11 3/4" Stg Stab	2.47	
8" Drill Collar	9.35	
12" N.B. Stab	2.56	
12 1/4" Tri-Cone.	30.00	

Drilling Parameters

Wellbore Original Hole	Depth Start (MD) (mKB) 3,038	TVD Start (mKB) 2,761.43	Depth End (MD) (mKB) 3,038	TVD End (mKB) 2,761.43	Drill Time (hr) 0.00	On Bottom Drill Time (hr) 0.00	Interval ROP (m/hr)
Cum Depth Drilled (mKB)	Cum Drilling Time (hr)	Flow Rate (gpm) 750	Weight on Bit (1000lbf) 0	RPM (rpm) 0	Stand Pipe Pressure (psi) 3,800.0	Drill Str Wt (1000lbf)	
Pick-Up String Weight (1000lbf)	Drilling Torque			Weight of String in Air (1000lbf) 30	Slack-Off String Weight (1000lbf)		

Casing Strings

Casing Description	Set Depth (MD) (mKB)	Set Depth (TVD) (mKB)	Run Date
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Comment

Casing Components

Top Depth (MD) (mKB)	Btm Depth (MD) (mKB)	Len (m)	Jts	Item Des	OD (in)	ID (in)
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Tubing Strings

Tubing Description	Set Depth (MD) (mKB)	Run Date
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Comment

Tubing Components

Top Depth (mKB)	Bottom Depth (mKB)	Length (m)	Joints	Item Description	OD Nominal (in)	ID (in)
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BOP Test

Date	Com
11/12/2013	Full test BOPs and related equipment to 250/5k psi, ok, Annular 250 /3500psi. Full BOP test was done on 11 November'13.

Wellbores

Wellbore Name Original Hole	Parent Wellbore Original Hole
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Directional Surveys

Description Planned survey	Date 5/27/2013
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Survey Data

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	VS (m)	NS (m)	EW (m)	DLS (°/30m)
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Description Actual Surveys	Date 7/22/2013
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Survey Data

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	VS (m)	NS (m)	EW (m)	DLS (°/30m)
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