



Chevron Bangladesh Drilling Morning Report

Date: 11/3/2012

Well Name: BY-16

Total Time: 61.00

Rpt No: 61

Slot: Rig: WDI 801

End Date:

Time from Spud: 54.02

Hours: 24.00

SBU Drilling Well Category : Drlg Well Category 3

Days Since Last DAFW / RI Case : 690 / 37

Depth End (MD) (mKB): 4,369			TVD End (mKB): 3,579.31		
Field Name Bibiyana	Original Spud Date 9/10/2012	Country Bangladesh	Water Depth (m)	Original KB to Mud Line (m)	
Actual Start Date 9/4/2012 00:00	Actual End Date	Target Depth (MD) (mKB) 4,450		Target Depth (TVD) (mKB)	
AFE/WBS Number 100630		Total AFE Amount (Cost) 19,433,001			

Safety/Inspections

Date	Safety Check	Tour	Des
11/3/2012 00:00	Pre-Job Meeting	Night	Gen Hot work (PTW)
11/3/2012 00:00	Pre-Job Meeting	Night	Gen. Forklift ops
11/3/2012 00:00	Pre-Job Meeting	Night	Manriding (PTW)
11/3/2012 00:00	Pre-Job Meeting	Night	Gen. Crane lifting
11/3/2012 01:30	Safety Procedures	Night	T-card Audit
11/3/2012 06:00	Pre-Job Meeting	Day	Gen. Forklift ops
11/3/2012 06:00	Pre-Job Meeting	Day	Hot Work - Rain Shed (PTW)
11/3/2012 06:30	Pre-Tour Safety Meeting	Day	w/Akota, BBS, Tnt# 3
11/3/2012 06:30	Safety Meeting	Day	Permit Meeting- BBS, Tnt# 3
11/3/2012 07:00	Pre-Tour Safety Meeting	Day	w/Drivers, BBS, Tnt# 3
11/3/2012 07:00	Pre-Job Meeting	Day	General maintenance (BJ)
11/3/2012 07:15	Pre-Job Meeting	Day	Service Camp Eng. (PTW)
11/3/2012 08:00	Pre-Job Meeting	Day	Refueling equipments (PTW)
11/3/2012 08:00	Pre-Job Meeting	Day	Painting with brush
11/3/2012 10:10	Pre-Job Meeting	Day	Mixing Chemicals
11/3/2012 10:45	Pre-Job Meeting	Day	Collecting waste materials from Location
11/3/2012 11:30	Pre-Tour Safety Meeting	Day	RADAR Cards, Ops, Tnt#3
11/3/2012 12:00	Pre-Job Meeting	Day	Gen Hot work (PTW)
11/3/2012 12:00	Pre-Job Meeting	Day	Gen. Crane lifting
11/3/2012 12:00	Pre-Job Meeting	Day	Mixing Chemicals
11/3/2012 13:00	PTW Audit	Day	General hotwork, TRA audited
11/3/2012 13:30	PTW Audit	Day	Transfer fuel, TRA audited
11/3/2012 13:30	Safety Procedures	Day	T-card Audit
11/3/2012 14:00	PTW Audit	Day	General hotwork, TRA audited
11/3/2012 14:00	Pre-Job Meeting	Day	PM on Air Compressor (PTW)
11/3/2012 15:45		Day	@4307m, for 29sec
11/3/2012 17:00	Safety Meeting	Day	Permit Meeting- BBS, Tnt#3
11/3/2012 18:00	Pre-Job Meeting	Night	Gen. Forklift ops
11/3/2012 18:30	Pre-Tour Safety Meeting	Night	w/Akota, BBS, Tnt# 3

Safety / Environmental Incidents

Incident Cat.	Incident Desc
	No safety or environmental incident.



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Daily Operations

Report Start Date 11/3/2012 00:00			Report End Date 11/4/2012 00:00		
Daily Field Est Total (Cost) 203,588	Cum Field Est To Date (Cost) 13,456,758	Daily Mud Field Est (Cost) 14,757	Cum Mud Cost to Date (Cost) 453,302	Drilling Hours (hr) 19.50	Cum Rotating Hrs on Casing 205.5

Operations Summary

Ops for past 24 hrs: Work on pipe handler & C/O saver sub. Cont drilling 8-1/2" hole section f/ 4183m to 4369m.

Projected ops for next 24 hrs: Cont drilling 8-1/2" hole section to TD @ 4400m. CBU. Backream out of hole & LD BHA. RU WL & run OH logs.

Comments

00:00-05:00 Ops:

00:00-04:00: Continue drilling 8 1/2" hole section F/4369 T/4400m (TD).

04:00-05:00: Circulate (Gas 7%), Flow Check (Well Static), Circulate, Performed Swab Test, Circulate, Dropped Carbide Sweep, & Circulate BU.

Max Drill Gas 15.50	Avg Background Gas 0.42	Head Count 139.0
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Required Mats next day

Hawk jaw: WDI 100-10 torque wrench on site. Lamprell performed engineering survey for installation. Awaiting installation.

Hydraulic torque wrench waiting on parts.

Leaking main seal on ODS hydraulic cathead. Recieved spare seals. Will install while performing open hole logging.

Multiple leaking or inoperable 6" valves in mud tanks. Spares on location. Will repair during rig move.

93 joints of Chevron 5" drillpipe being utilized by WDI.

#15 Seal leaking & shaft misaligned causing vibration on Reserve pit #1, no spare parts.

Diesel centrifuge not working waiting on seals.

Safety Observation Cards

Observation Typ	# Rpts	Com
CVX-3, WDI-22, Other-53	78	When the Mechanic was working up from the Genie Lift on the air winch of the hopper, I observed a person going under the Genie Lift. Stopped the person immediately explained what could happen and asked him to go the other way. Tenet # 2 - TOUHID ZAMAN - R

Daily Contacts

Contact
Tracy Love
Stephen Joubert
Jay Darder
Musharref Hossain
Latifur Rahman
Peter Jennings

Time Log

Start Time	End Time	Phase	Activity	Dur (hr)	Unsched Event?	UE Time (hr)	UE Ref No.	Com
00:00	00:30	PRODCSG, DRILL	UNITMAIN	0.50				Rig Service - Service TDS
00:30	02:00	PRODCSG, DRILL	UNITRPR	1.50	Yes	1.50	40	Pipe handler unable to break out connection on TDS. RU tongs, break out, & LD single. Change grabber dies on pipe handler. Monitor well on the trip tank.
02:00	02:30	PRODCSG, DRILL	CC	0.50				MU TDS & break circulation. Gas increase to 15%. Circulate out gas.
02:30	04:30	PRODCSG, DRILL	UNITRPR	2.00	Yes	2.00	41	POH & rack back 1 stand. Change out Saver-Sub. Monitor well on trip tank.
04:30	00:00	PRODCSG, DRILL	DRLROT	19.50				Continue drilling 8-1/2" hole section F/4183 T/ 4369m Today: Drilled 186m. AROP w/ connection 9.5m/hr. 5.49 bbls/hr losses, .38 bbls/hr down hole losses. Lithology (4170.0-4360.0m): Sandstone (20-95%), claystone(Tr-30%), silt stone (5-70%). Recovered 97 grams metal filings off ditch magnet. Total recovery 613 grams. Perform pit drill @ 17:30 hrs.



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Personnel		
Company	Total Headcount	SSE
Chevron	13	
Weatherford	11	Rig Expat
Weatherford	42	Rig National
Weatherford	24	Shamolima Catering
Aker-Kvaerner	1	Wellhead Eng
Weatherford	2	LWD/MWD
BJ Services	3	Cementing
Weatherford	2	DD
MI Swaco	3	Solids control
Weatherford	0	Gyrodata
Weatherford	6	TRS
Brandt NOV	11	Solids
Weatherford	7	Wireline
Weatherford	5	SLS
Weatherford	0	Ayun ent
Chevron	1	PetroBangla
Smith International	0	Inspection
Schlumberger	0	Slickline
Weatherford	0	Completion hands
Weatherford	8	Shafiq Brothers
Chevron	0	WWT
Weatherford	0	BanglaCat
Weatherford	0	Bangla Industrial

Mud Checks					
Date	Depth (MD) (mKB)	Depth (TVD) (mKB)	Mud/Brine Type	Sample Source	Checked By
11/3/2012 22:00	4,355.0	3,570.37	NAF	Active Pit	
Flow Line Temperature (°C)	Fluid Density (lb/gal)	Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	YP Calc (lb/100ft²)
153.0	11.50	16.0	32.0	37.0	15
Vis 3rpm	Vis 6rpm	Vis 300rpm	Vis 600rpm	Funnel Viscosity (s/qt)	PV Calc (Pa*s)
7	8	43	71	66	0
pH	Chlorides (mg/L)	CaCl2 (mg/L)	Electric Stability (V)	Water Phase Salinity (mg/L)	ROC (Wet) (% by wt) (lb/lb)
	51,000	332,800.00	760.0	281,329	
Filtration Sz (µm)	High Gravity Solids (lb/bbl)	Corrected Solids (%)	Retort Solids (% by Volume) (%)	Retort Water by Volume (%)	Retort NAF by Volume (%)
	199.63	18.83	21.00	16.00	63.00
NAF/Water Ratio	NaCl (mg/L)	API Filtrate (cc/30min)	API Filter Cake (1/32")	HTHP Filtrate (cc/30min)	HTHP Filter Cake (1/32")
79.7/20.3				3.2	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
40	11/3/2012	11/3/2012	NPT	RREQ	TOP DRIVE	Unable break connection w/ TDS pipe handler. Change out dies on grabber.	Rig Contractor	Weatherford, Drilling
41	11/3/2012	11/3/2012	NPT	RREQ	TOP DRIVE	Saver sub damaged. Change out saver sub.	Rig Contractor	Weatherford, Drilling

Mud Additive Amounts				
Des	Date	Rec	Consumed	On Loc
Barite	11/3/2012	39.0	23.0	164.0
Cacl2 / Nacl	11/3/2012		40.0	160.0
Lime	11/3/2012		15.0	112.0
Nova Plus	11/3/2012		4.0	14.0
Nova Plus	11/3/2012		2.0	32.0



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Mud Additive Amounts

Des	Date	Rec	Consumed	On Loc
Versatrol M	11/3/2012		20.0	93.0
VG Plus	11/3/2012		5.0	157.0
VG-69	11/3/2012		5.0	141.0

Job Supply Amounts

Supply Item Des	Date	Received	Consumed	Cum On Loc
Diesel	11/3/2012	0.0	15,588.0	27,372.0

Drill String/BHA

BHA #9, Adjustable Gauge Stabilizer

Bit Run	Drill Bit	Length (m)	IADC Bit Dull	Bit Total Fluid Area (nozzles) (in ²)	BHA ROP (m/hr)
1	8 1/2in, MDSi516, JG2045	0.25	-----	0.91	9.7
Nozzles (1/32")	String Length (m)		Max Nominal OD (in)		
15/15/15/16/16	261.61		6.750		

String Components

Smith Bits MDSi516, Stabilizer - Near Bit, Float Sub, Adjustable Gauge Stabilizer, MFR, IDS, NDT, HEL, Stabilizer, 5" HWDP, JARS, 5" HWDP

Comment

String/BHA Components

Item Des	Len (m)	Mass/Len (lb/ft)
5" HWDP	160.42	49.30
JARS	9.67	0.00
5" HWDP	56.91	49.30
Stabilizer	1.80	
HEL	5.42	
NDT	8.57	
IDS	3.72	
MFR	8.98	
Adjustable Gauge Stabilizer	3.15	
Float Sub	0.81	
Stabilizer - Near Bit	1.91	

Drilling Parameters

Wellbore	Depth Start (MD) (mKB)	TVD Start (mKB)	Depth End (MD) (mKB)	TVD End (mKB)	Drill Time (hr)	On Bottom Drill Time (hr)	Interval ROP (m/hr)
Original Hole	4,183	3,465.16	4,369	3,579.31	19.50	14.61	9.5
Cum Depth Drilled (mKB)	Cum Drilling Time (hr)	Flow Rate (gpm)	Weight on Bit (1000lbf)	RPM (rpm)	Stand Pipe Pressure (psi)	Drill Str Wt (1000lbf)	
232	24.00	500	20	120	3,250.0	275	
Pick-Up String Weight (1000lbf)	Drilling Torque	Weight of String in Air (1000lbf)	Slack-Off String Weight (1000lbf)				
390	20.0	35	225				

Casing Strings

Casing Description	Set Depth (MD) (mKB)	Set Depth (TVD) (mKB)	Run Date
Intermediate Casing 2	3,032	2,753.79	10/11/2012

Comment

Casing Components

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

Tubing Strings

Tubing Description	Set Depth (mKB)	Run Date

Comment

Tubing Components

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

BOP Test

Date	Com
11/1/2012	Press test 13 5/8" 10k BOPE - annular - 200/3500psi. Upr & lwr pipe rams, VBR's, BSR's, choke/ kill HCR & manual valves, check valve, TIW, kelly cock, IBOP, standpipe & manifold, kelly hose, MP manifold, choke & kill lines, choke manifold- 200/5000 psi. Perfrom koomey drawdown test - IP - 2900 psi, FP - 1800 psi, Recharge - 2min 41 sec.



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Wellbores

Wellbore Name	Kick Off Depth (mKB)
Original Hole	

Directional Surveys

Description
Planned survey BY-16

Survey Data

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

Description
Actual Survey BY-16

Survey Data

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	VS (m)	NS (m)	EW (m)	DLS (°/30m)
11/3/2012	4,196.16	54.00	243.96	3,472.92	1,298.98	-1,169.10	-591.57	0.51
11/3/2012	4,224.93	53.83	243.97	3,489.86	1,319.19	-1,179.30	-612.46	0.18
11/3/2012	4,253.82	53.11	243.94	3,507.06	1,339.38	-1,189.50	-633.32	0.75
11/3/2012	4,282.84	51.24	244.16	3,524.85	1,359.29	-1,199.53	-653.93	1.94
11/3/2012	4,340.85	50.27	243.30	3,561.32	1,398.63	-1,219.54	-694.35	1.13
11/3/2012	4,369.00	50.27	243.30	3,579.31	1,417.58	-1,229.27	-713.70	0.00