

Schlumberger

Drilling & Measurements



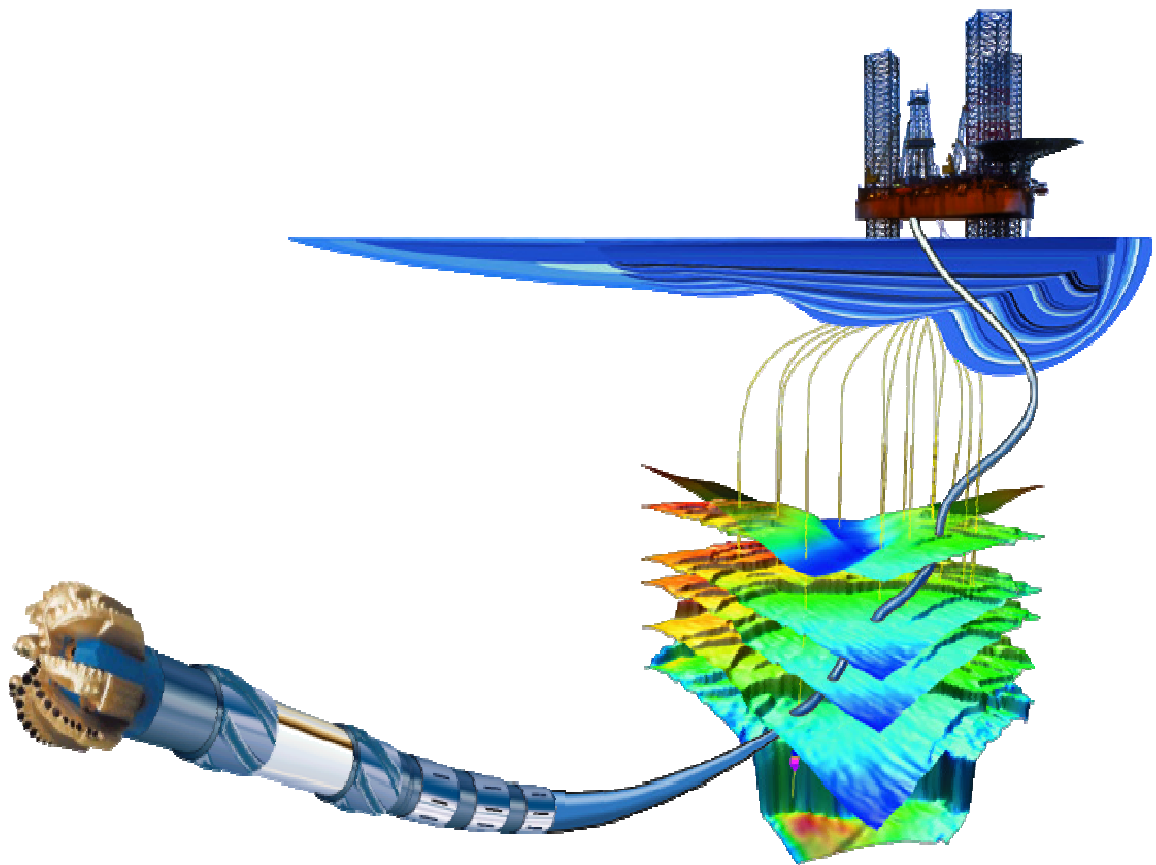
Peejay-1

End of Well Report

Contents

1. General Information
2. Definitive Survey
3. Drilling & MWD/LWD Run Summary
4. Equipment Run Reports
5. Service Quality Issues

1. General Information



General Information

Well Name:	Peejay-1	
Rig:	West Triton	
Field:	Wildcat	
Location:	Bass Strait	
Country:	Australia	
Cell Members:	Marganda Sihite Dallas Perkins Wissam Chehabi	MWD/LWD Engineer MWD/LWD Engineer MWD/LWD Engineer
Town Contacts:	David Rapp Michael McDermott Femi Daramola	Operations Manager Field Services Manager Service Quality Coach
Company Representatives:	R. Rossouw Peter Dane	Senior Drilling Supervisor Drilling Supervisor

Geomagnetic and Survey Reference Criteria

Peejay-1

Geomagnetic Data

Magnetic Model:	BGGM version 2008
Magnetic Date:	21 November 2008
Magnetic Field Strength:	1223.97 HCNT
Magnetic Declination:	13.22 °
Magnetic Dip:	-70.86 °

Survey Reference Criteria

Reference G:	1000.23 mGal
Reference H:	1223.97 HCNT
Reference Dip:	-70.86 °
G value Tolerance:	(+/-) 2.50 mGal
H value Tolerance:	(+/-) 6.00 HCNT
Dip Tolerance:	(+/-) 0.45 °

Survey Corrections Applied

Reference North:	True North
Magnetic Declination:	13.22 °
Grid Convergence:	0.42 °
Total Azimuth Correction:	12.80 °
Vertical Section Azimuth:	0.00 °

Survey Reference Location

Peejay-1 Surface Coordinates:

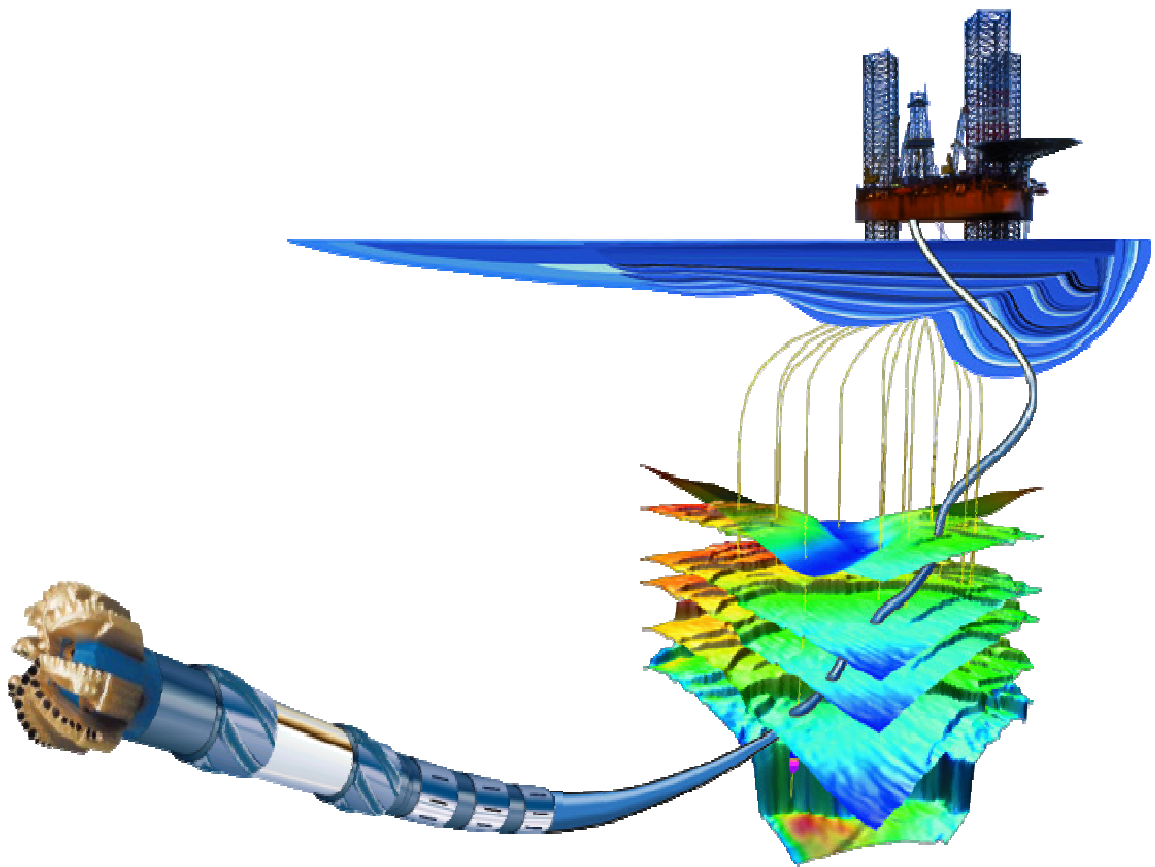
Latitude:	40° 29' 47.908" South
Longitude:	146° 21' 35.458" East
Northing:	5,516,921.312 meters
Easting:	445,754.686 meters
Vertical Datum:	Mean Sea Level (MSL)
Rotary Table Elevation:	34.543 m above (MSL)

Health, Safety and Environment

Schlumberger Drilling and Measurements personnel actively participated in the Seadrill STOP safety initiative, and attended pre-tour and weekly safety meetings.

Schlumberger Drilling and Measurements personnel were not involved in any safety incidents while on board the West Triton.

2. Definitive Survey



Peejay-1 Final Geodetic Survey

Report Date: December 2, 2008	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Beach Petroleum	Vertical Section Azimuth: 0.000°
Field: Wildcat	Vertical Section Origin: N 0.000 m, E 0.000 m
Structure / Slot: Peejay / 1	TVD Reference Datum: RKB
Well: Peejay-1	TVD Reference Elevation: 34.2 m relative to MSL
Borehole: Peejay-1	Sea Bed / Ground Level Elevation: -78.000 m relative to MSL
UWI/API#:	Magnetic Declination: 13.175°
Survey Name / Date: Peejay-1 Final / November 19, 2008	Total Field Strength: 61172.383 nT
Tort / AHD / DDI / ERD ratio: 9.665° / 18.74 m / 2.774 / 0.009	Magnetic Dip: -70.867°
Grid Coordinate System: GDA94/MGA94 Zone 55	Declination Date: November 19, 2008
Location Lat/Long: S 40 29 47.908, E 146 21 35.458	Magnetic Declination Model: BGGM 2007
Location Grid N/E Y/X: N 5516921.312 m, E 445754.686 m	North Reference: Grid North
Grid Convergence Angle: +0.41572614°	Total Corr Mag North -> Grid North: +12.759°
Grid Scale Factor: 0.99963622	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Vertical Section (m)	NS (m)	EW (m)	DLS (deg/30 m)	Northing (m)	Easting (m)	Latitude	Longitude
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5516921.31	445754.69	S 40 29 47.908	E 146 21 35.458
See Floor	112.16	0.00	0.00	112.16	0.00	0.00	0.00	0.00	5516921.31	445754.69	S 40 29 47.908	E 146 21 35.458
	264.95	1.45	150.86	264.93	-1.69	-1.69	0.94	0.28	5516919.62	445755.63	S 40 29 47.963	E 146 21 35.497
	294.47	1.15	140.54	294.45	-2.24	-2.24	1.31	0.39	5516919.07	445756.00	S 40 29 47.981	E 146 21 35.513
	323.97	1.06	150.84	323.94	-2.71	-2.71	1.63	0.22	5516918.60	445756.32	S 40 29 47.996	E 146 21 35.526
	413.38	0.46	197.79	413.34	-3.77	-3.77	1.93	0.27	5516917.54	445756.61	S 40 29 48.031	E 146 21 35.538
	502.18	0.23	197.76	502.14	-4.28	-4.28	1.76	0.08	5516917.03	445756.45	S 40 29 48.047	E 146 21 35.531
	591.80	0.37	226.93	591.76	-4.65	-4.65	1.50	0.07	5516916.66	445756.18	S 40 29 48.059	E 146 21 35.520
	679.52	0.12	321.43	679.48	-4.77	-4.77	1.23	0.14	5516916.54	445755.92	S 40 29 48.063	E 146 21 35.509
	768.28	0.20	271.31	768.24	-4.70	-4.70	1.02	0.05	5516916.62	445755.71	S 40 29 48.060	E 146 21 35.500
	803.99	0.21	236.85	803.95	-4.73	-4.73	0.90	0.10	5516916.58	445755.59	S 40 29 48.061	E 146 21 35.495
	842.85	0.43	127.38	842.81	-4.86	-4.86	0.96	0.42	5516916.45	445755.64	S 40 29 48.066	E 146 21 35.497
	930.97	0.44	102.94	930.93	-5.14	-5.14	1.55	0.06	5516916.18	445756.24	S 40 29 48.075	E 146 21 35.522
	1019.59	0.43	112.01	1019.54	-5.34	-5.34	2.19	0.02	5516915.98	445756.88	S 40 29 48.081	E 146 21 35.549
	1048.56	0.33	126.08	1048.51	-5.43	-5.43	2.36	0.14	5516915.89	445757.04	S 40 29 48.084	E 146 21 35.556
	1108.49	0.33	130.22	1108.44	-5.64	-5.64	2.63	0.01	5516915.67	445757.32	S 40 29 48.091	E 146 21 35.568
	1167.38	0.22	121.98	1167.33	-5.81	-5.81	2.86	0.06	5516915.50	445757.54	S 40 29 48.097	E 146 21 35.577
	1285.81	0.69	61.10	1285.76	-5.59	-5.59	3.67	0.16	5516915.73	445758.36	S 40 29 48.090	E 146 21 35.612
	1345.01	0.68	106.82	1344.95	-5.51	-5.51	4.32	0.27	5516915.80	445759.01	S 40 29 48.088	E 146 21 35.640
	1374.54	0.67	110.27	1374.48	-5.62	-5.62	4.65	0.04	5516915.69	445759.34	S 40 29 48.091	E 146 21 35.654
	1433.56	0.69	132.78	1433.50	-5.99	-5.99	5.24	0.14	5516915.33	445759.92	S 40 29 48.103	E 146 21 35.678
	1492.77	0.32	332.96	1492.71	-6.08	-6.08	5.42	0.50	5516915.23	445760.11	S 40 29 48.106	E 146 21 35.686
	1552.04	0.36	351.94	1551.98	-5.75	-5.75	5.32	0.06	5516915.57	445760.00	S 40 29 48.096	E 146 21 35.682
	1640.51	0.45	30.51	1640.44	-5.17	-5.17	5.46	0.10	5516916.14	445760.14	S 40 29 48.077	E 146 21 35.688
	1729.59	0.54	20.07	1729.52	-4.48	-4.48	5.78	0.04	5516916.83	445760.46	S 40 29 48.054	E 146 21 35.702
	1788.72	0.68	29.31	1788.65	-3.91	-3.91	6.05	0.09	5516917.40	445760.73	S 40 29 48.036	E 146 21 35.713
	1818.45	0.58	32.16	1818.38	-3.63	-3.63	6.21	0.11	5516917.68	445760.90	S 40 29 48.027	E 146 21 35.721
	1906.90	0.62	29.47	1906.82	-2.83	-2.83	6.69	0.02	5516918.48	445761.37	S 40 29 48.001	E 146 21 35.741
	1995.04	0.79	12.68	1994.95	-1.83	-1.83	7.06	0.09	5516919.49	445761.74	S 40 29 47.969	E 146 21 35.757
	2084.02	0.82	7.44	2083.92	-0.60	-0.60	7.27	0.03	5516920.72	445761.96	S 40 29 47.929	E 146 21 35.766
	2142.80	1.09	57.68	2142.70	0.12	0.12	7.80	0.43	5516921.43	445762.48	S 40 29 47.906	E 146 21 35.789
	2172.21	0.98	61.66	2172.10	0.39	0.39	8.26	0.13	5516921.70	445762.94	S 40 29 47.897	E 146 21 35.809
Projected to TD	2183.00	0.98	61.66	2182.89	0.48	0.48	8.42	0.00	5516921.79	445763.10	S 40 29 47.894	E 146 21 35.816

Survey Type: Definitive Survey

Survey Error Model: SLB ISCWSA version 24 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

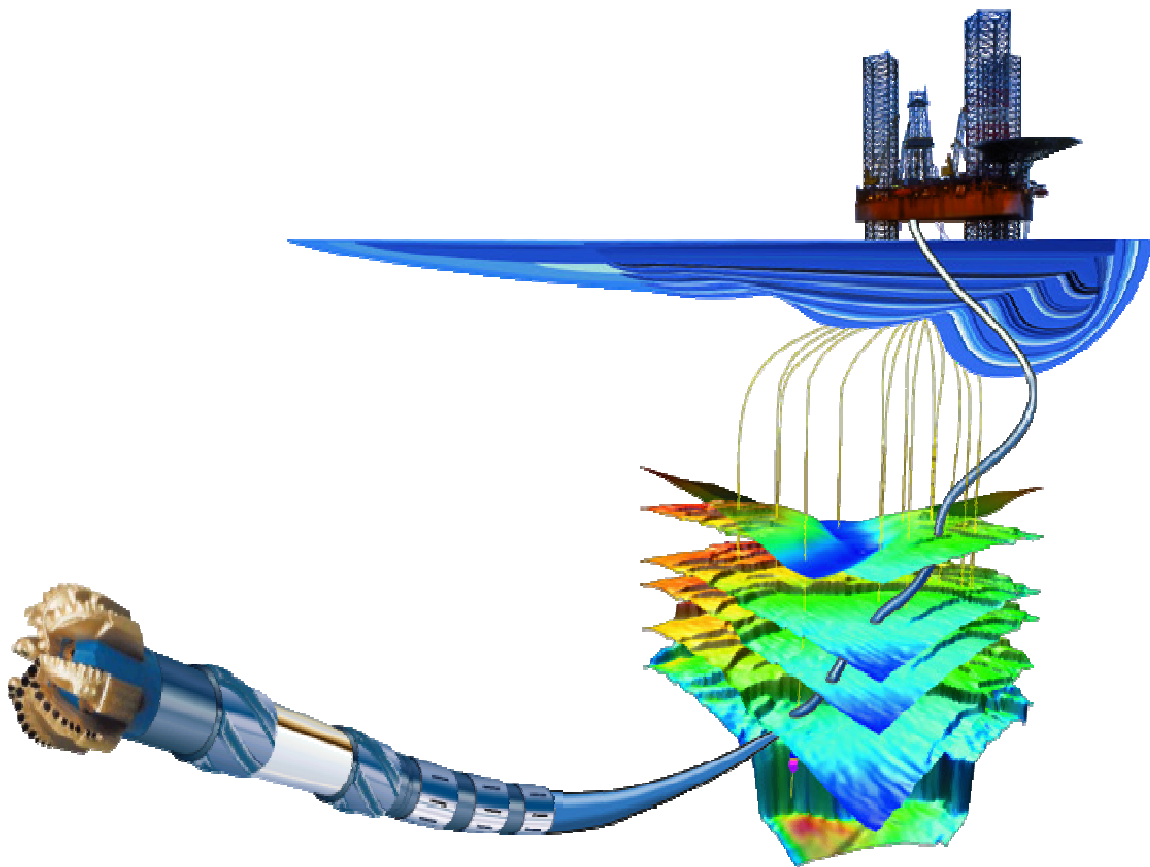
MD From (m)	MD To (m)	EOU Freq	Survey Tool Type
0.00	112.16	Act-Stns	SLB_MWD-STD-Depth Only
112.16	2183.00	Act-Stns	SLB_MWD-STD

Borehole -> Survey

Peejay-1 -> Peejay-1 Final
Peejay-1 -> Peejay-1 Final

**Italicized stations are NOT used in position calculations.*

3. Drilling & MWD/LWD Run Summary



End of Well Drilling Summary

15th November 2008 to 28th November 2008

Peejay-1 Objectives:

Peejay-1 will be drilled by the jack-up mobile offshore drilling unit (MODU) West Triton, which is operated by Seadrill Limited.

Peejay-1 is a vertical exploration well with the objective of intersecting and exploring the Upper Eastern View group formations with sandstones, interbedded sandstones, shale and minor coal; and Middle Eastern View Group Formation which are made up of interbedded sandstone, claystone and siltstone with increasing coals. The primary and secondary targets tops are expected at 1366m BRT and 1764m BRT.

BHA # 2: Rotary Assembly 406.4mm – 16" Hole Section (218m MD – 810m MD)

The following Rotary Assembly was made up and run in:-

- 16 " Hughes Milled Tooth Rock Bit
- Bit Sub
- 9" Telescope* MWD
- 9" sonicVISION* LWD
- 15 7/8" Stabiliser
- 9" DC
- 15 7/8" Stabiliser
- 9" DC
- Crossover
- 8" DC
- 8" Jars
- 8" DC
- Crossover
- 15 x 5" HWDP
- 5" DP to surface

Bit Grading: 1 – 1 – NO – A – E – I – NO – TD

MWD/LWD Summary

TeleScope was programmed with 12Hz/3bps telemetry configuration to provide RT GR, D&I; while the SonicVISION RT Delta-T compression were transmitted uphole as well as recorded in Memory mode. There was no Shallow Hole Test of the BHA performed before RIH. The BHA tagged cement at 210m from where drilling commenced ahead to 810m BRT section TD as per program. D&I Survey of the borehole was taken every 3 stands.

The sonicVISION configuration was downlinked and changed to 1sec configuration before trip-out started. The BHA was POOH, Laid out and tools dumped successfully and data processed as required.

* Mark of Schlumberger

BHA # 3: Rotary Assembly 311.15mm – 12¼" Hole Section (810m MD – 1454m MD)

The following Rotary Assembly was made up and run in: -

- 12¼" Reed Hycalog PDC Bit
- Bit Sub
- 8¼" arcVISION* LWD
- 8¼" TeleScope* MWD
- 8¼" sonicVISION* LWD
- 8¼" sadnVISION* LWD
- 4 x 8" DC
- 8" Jar
- 8" DC
- Crossover
- 15 x 5" HWDP
- 5" DP to surface

Bit Grading: 8 – 8 – RO – A – X – 2 – NR – PR

MWD/LWD Summary

Real-time telemetry configuration for this BHA consisting of D&M TeleScope*, sadnVISION*, sonicVISION* and arcVISION* was 12Hz/6pbs to evaluate formation in real-time in line with the run objective of finding the zones of interest at 1300m MDrt and 1600m MDrt. There were initial difficulties with radioactive source loading in the sadnVISION* tool which was changed out and problem was resolved. The assembly was run in hole to tools was run in hole to top cement at 774m MDrt. The cement was drilled out to shoe, through rat hole and then new formation at 810m MDrt.

There were high shocks and vibrations situation during the run; arcVISION8 tool experienced 7-8 hours of shock level 3. Mitigation steps were taken to minimize the severity by fine tuning the ROP and WOB. The shock persisted on the regardless the parameter variation.

At 1454m MD, a decision was made to POOH for a bit change due to low penetration rates. On surface some damage were observed on the threads of the connection between the sadnVISION and sonicVISION. Data were retrieved from the tools and field print log data were processed and delivered onsite.

* Mark of Schlumberger

BHA # 4: Rotary Assembly 311.15mm – 12¼" Hole Section (1454m MD – 2183m MD)

The following Rotary Assembly was made up and run in: -

- 12¼" Hughes Christianson Milltooth Bit
- Bit Sub
- 8¼" GeoVISION* LWD
- 8¼" TeleScope* MWD
- 8¼" sonicVISION* LWD
- 8¼" sadnVISION* LWD
- 4 x 8" DC
- 8" Jar
- 8" DC
- Crossover
- 15 x 5" HWDP
- 5" DP to surface

Bit Grading: 4 – 6 – BT – A – E – I – CT – TD

MWD/LWD Summary

Due to the trip in the previous run the objective of this run was to intersect the secondary target at 1600m MDrt with the Rotary bottom hole assembly consisting of Schlumberger D&M PowerPulse*, geoVISION*, sadnVISION* and sonicVISION* tools. The assembly was RIH to bottom and drilled ahead to section TD at 2183m MDrt. In this run; the sadnVISION8 was run in recorded mode only due to a broken sub issues.

On Surface, damages were found on the sadnVISION stabilizers and on the sonicVISION transmitters. Notwithstanding, data were dumped from the tools successfully and processed. However, the button resistivities of the geoVISION tool failed and the curves/data were not presented.

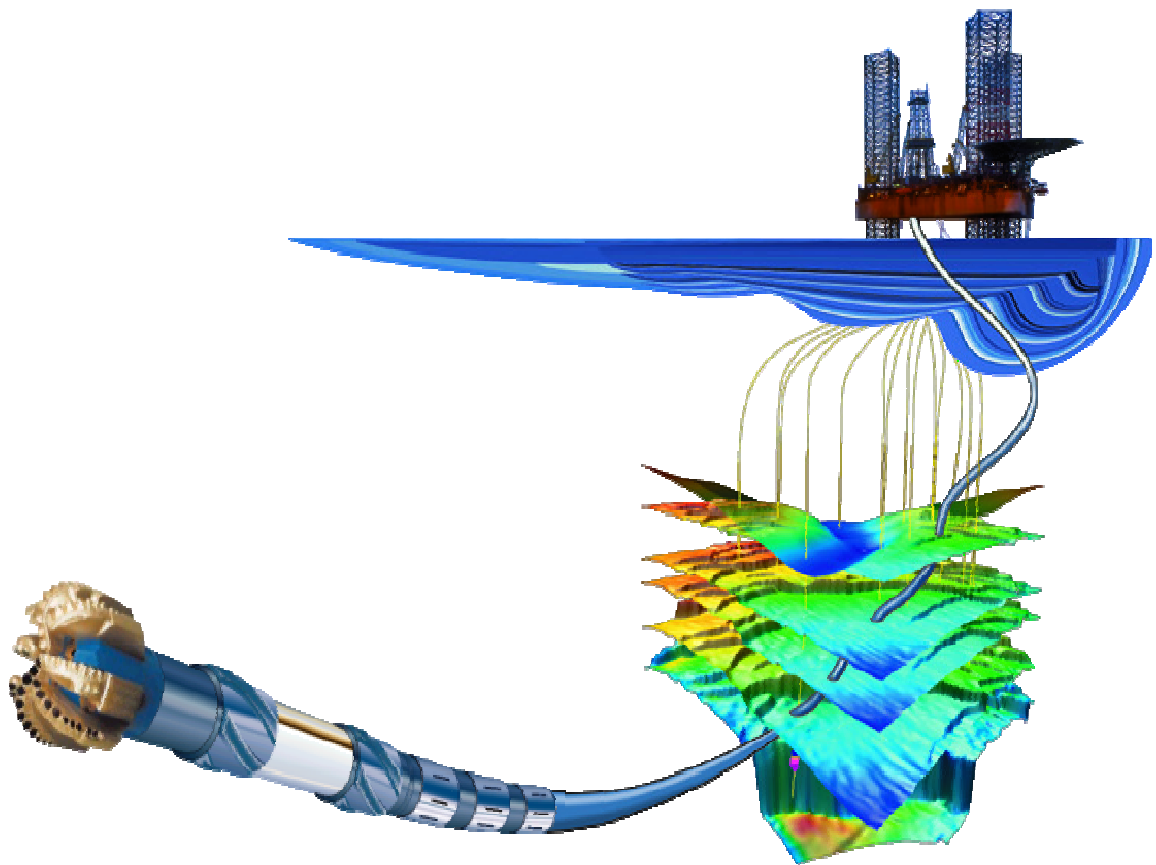
* Mark of Schlumberger

MWD/LWD Run Summary

Run	Hole Size (in)	MWD/LWD Services	Start Depth (m)	Stop Depth (m)	Distance (m)	Start Date	Stop Date
1	26"	None	112.0	218.0	106	15-Nov-08	16-Nov-08
2	16"	sonicVISION*	218.0	810.0	592.0	18-Nov-08	19-Nov-08
3	12¼"	VISION* Service - sonicVISION	810.0	1454.0	486.0	21-Nov-08	23-Nov-08
4	12¼"	GeoVISION* Service - sonicVISION	1454.0	2183.0	730.0	24-Nov-08	28-Nov-08

Run	Hours BRT	Drilling Hours	Circulating Hours	Max Temp (°C)	Trip for MWD	Failure type
2	32.72	22.00	21.25	18.00	No	n/a
3	51.50	15.50	27.70	40.00	No	AND 8 Source loading Failure
4	96.07	77.50	85.40	77.00	No	GVR Shallow and Deep button resistivity failure

4. Equipment Run Reports



Job Number:	08ASQ0031	Company:	BEACH PETROLEUM LTD	Rig Name:	West Triton
Company Rep:	Rocco; Peter	Location:	MEA-APG-ASQ	Well Name:	PeeJay-1
Run Number:	1				

Run Information

Date In		Date Out		Drilling Distance:	610.00 m	Drilling Hours:	22.00 hrs
18-Nov-2008	9:10AM	19-Nov-2008	5:53PM	Rotary Drilling Distance:	610.00 m	Rotary Drilling Hrs:	9.50 hrs
Depth (MD):	184.0 m	to	810.0 m	Sliding Distance:	0.00 m	Sliding Hours:	0.00 hrs
Depth (TVD):	184.0 m	to	810.0 m	Reaming Distance:	810.00 m	Reaming Hours:	3.50 hrs
Inclination:	0.00 deg	to	0.21 deg			Hrs Below Rotary:	32.72 hrs
Azimuth:	0.00 deg	to	236.85 deg			Total Pumping Hrs:	21.25 hrs
Hole Size:	16.00 in					Min DLS:	0.10 deg/30 m
Last Casing Size:	30.000 in			North Ref Used:	Grid North	Max DLS:	0.28 deg/30 m
Last Casing Depth:	184.0 m	(MD)		Magnetic Dec:	13.220 deg	Max DLS Depth:	413.4 m
Tool Face Arc:	.0 cm			Grid Correction:	0.420 deg	Surface Screen:	No
Total Face Angle:	0.00 deg			Total Correction:	12.800 deg	DFS Used:	No
				Est. Mag. Int:	0.00 deg	Inline Filter:	No

Rig Information

Rig Type:	Jack Up	Pump Type:	Triplex
Water Depth:	78.00 m	Pulse Damp Press:	700 psi
Air Gap:	11.30 m	Number of Pumps:	3
RKB Height:	34.20 m	Pump Line ID:	6.50 in
Ground Elevation:	112.16 m	Pump Output:	5.85 galUS/stroke
		Pump Stroke Len:	14.00 in

Run Objective

The run objectives for drilling 16in hole section are the following:
1. Drill 16" hole section by using Anadrill 9 inch tool and mill tooth bit until section TD ~890 mMD in single run.
2. To get the formation evalution by using MWD/LWD tool (GR and Sonic).

D&M Crew List:

Cell Manager: Marganda Hasiholan Sihite
Crew: Wissam Chehabi, MWD
Dallas Perkins, LWD
Marganda Hasiholan Sihite, Cell Manager

DH Motor Information

Manufacturer:	Bit to Bend Dist:	m
Motor Type:	Bearing Play In:	in
Motor Size:	Bearing Play Out:	in
Serial No.:	Bent Sub Angle:	deg
Lobe Config:	Bent HSG Angle:	deg
Stage Length:	m	
Rubber:		
Sleeve Position:		
Sleeve Size:	in	
Bearing Type:		

RSS Information

RSS Manufacturer:	
RSS Type:	
RSS SN:	
RSS Size:	
Pulse Ht Threshold:	
Min Pulse Width:	
Max Pulse Width:	
Conn Phase Angle:	deg
Rise Time Const:	
Fall Time Const:	
Digit Time:	

MWD Configuration

Mod Type:	QPSK	Int Tool Face Offset:	deg	Bit Rate:	3 bps	Slimpulse Pulser Config:	
Mod Gap:	0.12000 in	Turbine Config:	galUS/min	Frequency:	12 Hz	Pred Sig Strength @ TD:	psi
SPT Type:	HA						

Rig Name: West Triton
Well Name: PeeJay-1

Mud Information

Mud Type:	Sea Water	Mud Clean:	No	pH:	9.50
Mud Company:	Baroid	LCM Type:		Chlorides:	ppm
Mud Brand:		LCM Size:		Sand Content:	%
Funnel Viscosity:	498.00 s/qt	LCM Concentration:	lbs/bbl	Solids:	%
Plastic Viscosity:	18.00 cp	Weighting Material:		Percent Oil:	%
Yield Point:	83.00 lbm/100ft2	Mud Weight:	8.80 lbm/galUS		
Mud Resistivity:	ohm-m				

Manufacturer:	Hughes Christianson	Total Revs:	IADC Code:	115
Model:	GX-C1V	Stick/Slip:	Jets (/ 32 in):	3X20
Type:	Milltooth	Reason Pulled:	Total Depth/Casing Depth	Bit TFA: 0.92 in2

Inner Row	Outer Row	Dull Char	Location	Bearings/Seals	Gauge	Other Chars
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Sync Hours:	19.25	hrs	Downhole Noise:	Yes	Run Failed:	No	
Jamming:	No	0.00 hrs	Surface System Failure:	No	D&M Trip:	No	
Surface Vibration:	No		Surface Noise:	No	Low Oil Flag:	No	0.00 hrs
Trans Fail:	No		H2S in Well:	No	Filter Screen/Plug Shear:	No	

Client Inconvenience: **No** Lost Time: hrs

Reason for POOH: Total Depth/Casing Depth

D&M Run Obj Met? [DD and MWD/LWD]: **Yes**

If not, why?:

The TeleScope was programmed to 12Hz/3bps through LTB. SonicVISION was programmed with configuration the same with Stuart job and change the min-slowness and max-slowness is 80 - 160 US/F.

The BHA was successfully made and did not do the SHT. Tag the cement at 210 m and start pumping. All the tools working properly. Drill to TD 810 m. DL to Sonic to 1 sec record rate at TD.

POOH and break out the BHA. To break the sonic from the stabilizer, used the iron roughneck because could not break the sub with the rig tong.

Break out the BHA, dump the tool and processed the data and upload to interACT for further processing.



Job Number:08ASQ0031

Company:BEACH PETROLEUM LTD

Rig Name:West Triton

Company Rep:Rocco; Peter

Location:MEA-APG-ASQ

Well Name:PeeJay-1

Run Number:1

During the run, there is no significant shocks that happen to the tool.

Job Number: 08ASQ0031

Company Rep: Rocco; Peter

Run Number: 1

Company: BEACH PETROLEUM LTD

Location: MEA-APG-ASQ

Rig Name: West Triton

Well Name: PeeJay-1

Equipment on the Run

Equipment	Pump Hours		Software Version	Tool Size
	Start	Cumulative		
MDC-HC-W484	0.00 hrs	21.25 hrs	v6.6b04	9.00 in
SD9C-AA-42793	0.00 hrs	21.25 hrs	9.2C02	9.00 in

Services on the Run

Equipment	Service	Tool Name	Real Time			Recorded Mode			CAF
			Hours	Failed	Depth	Hours	Failed	Depth	
MWD	Gamma Ray	TeleScope	21.25 hrs		610.0 m	32.72 hrs		610.0 m	
MWD	Cont D&I	TeleScope	21.25 hrs		610.0 m	hrs			
MWD	D&I	TeleScope	21.25 hrs		610.0 m	32.72 hrs		610.0 m	
LWD	Shear DT	SonicVision	hrs			32.72 hrs		610.0 m	
LWD	Compressional DT	SonicVision	21.25 hrs		610.0 m	32.72 hrs		610.0 m	

Job Number: 08ASQ0031
Company Rep: Rocco; Peter
Run Number: 1
Company: BEACH PETROLEUM LTD
Location: MEA-APG-ASQ
BHA Type: Other

Rig Name: West Triton
Well Name: PeeJay-1

Item	Description	Vendor	Tool Name	Serial Number	Length	m	OD, in	ID, in	Fishing Neck		Stab	Bottom Connection		Top Connection		Cumul Lei
									OD, in	Len, m	OD, in	Size	Type	Size	Type	
1	BIT	Hughes Christianson	Milltooth	6065566	0.41	m	16.00	3.75						7 5/8"	API REG PIN	0.41
2	BIT SUB			7207	1.23	m	9.50	3.00				7 5/8"	API REG BOX	7 5/8"	API REG BOX	1.64
3	MWD	D&M	TeleScope	W484	8.45	m	9.13	3.50				7 5/8"	API REG PIN	7 5/8"	H90 BOX	10.09
4	LWD	D&M	SonicVISION	42793	7.69	m	9.25	4.00				7 5/8"	H90 PIN	7 5/8"	API REG BOX	17.78
5	STABILIZER			700736	1.71	m	9.50	3.25			15.88	7 5/8"	API REG PIN	7 5/8"	API REG BOX	19.49
6	DRILL COLLAR			it9	9.41	m	9.50	3.00				7 5/8"	API REG PIN	7 5/8"	API REG BOX	28.90
7	STABILIZER			221023	2.26	m	9.50	3.25			15.88	7 5/8"	API REG PIN	7 5/8"	API REG BOX	31.16
8	DRILL COLLAR			it9	9.40	m	9.50	3.00				7 5/8"	API REG PIN	7 5/8"	API REG BOX	40.56
9	CROSSOVER			7125	1.22	m	9.50	3.00				7 5/8"	API REG PIN	6 5/8"	API REG BOX	41.78
10	DRILL COLLAR			0	66.10	m	8.25	2.81				6 5/8"	API REG PIN	6 5/8"	API REG BOX	107.88
11	JAR			17621371	9.68	m	8.00	2.81				6 5/8"	API REG PIN	6 5/8"	API REG BOX	117.56
12	DRILL COLLAR			0	9.41	m	8.25	2.81				6 5/8"	API REG PIN	6 5/8"	API REG BOX	126.97
13	CROSSOVER			7132	0.93	m	8.25	2.81				6 5/8"	API REG PIN	5 1/2"		127.90
14	HWDP			0	56.21	m	5.50	3.25				5 1/2"		5 1/2"		184.11

Predicted BHA Tendency:

Hookload Out:
Pickup Out:
Slack Weight:
Wt Below Jars:
Wt Above Jars:
Total Air Wt:

Stab Description	Mid Pt to Bit	Blade			Gauge		
		Type	Len	Width	Len	In	Out

Bit to Read Out Port			Bit to Measurement Port	
MWD-TeleScope	3.40	m	TeleScope-Gamma Ray	5.05
LWD-SonicVISION	14.20	m	TeleScope-D&I	5.70
			SonicVISION-Shear DT	14.61
			SonicVISION-Compressional	14.61



Job Number: 08ASQ0031

Company Rep: Rocco; Peter

Run No: 1

Company: BEACH PETROLEUM LTD

Location: MEA-APG-ASQ

Rig Name: West Triton

Well Name: PeeJay-1

			Depth in m		IADC Activity	Description
From	To	Elapsed	From	To		
18-Nov-2008						
00:00	00:30	0.50	0.0	0.0	Test BOP	Test Joint in BOP
00:30	05:30	5.00	0.0	0.0	PU / LD BHA / Tripping	Pick up 20 stands of Drill Pipe
05:30	06:00	0.50	0.0	0.0	Rig up / Rig down	Rig Down Elevators
06:00	07:30	1.50	0.0	0.0	PU / LD BHA / Tripping	LD 30" BHA
07:30	09:30	2.00	0.0	0.0	Repair rig	Rig Service
09:30	12:00	2.50	0.0	184.0	PU / LD BHA / Tripping	Pick up 16" BHA
12:00	13:00	1.00	184.0	184.0	Other	Sensor Calibration
13:00	14:30	1.50	184.0	184.0	PU / LD BHA / Tripping	Pickup 2 joints of DP. establish flow rates.
14:30	15:30	1.00	184.0	216.0	Drilling	Drill out shoe
15:30	00:00	8.50	216.0	414.0	Drilling	Drill new formation, surveys every 3 stands
19-Nov-2008						
00:00	12:30	12.50	414.0	810.0	Drilling	Drilling to TD 810m MD
12:30	13:00	0.50	810.0	810.0	Other	Downlink to SLB sonic
13:00	14:30	1.50	810.0	810.0	Circulate / Condition mud	pump high vis pill
14:30	18:00	3.50	810.0	0.0	Reaming / Hole opener / Unc	POOH
18:00	19:30	1.50	0.0	0.0	PU / LD BHA / Tripping	LD BHA
19:30	20:30	1.00	0.0	0.0	PU / LD BHA / Tripping	Cement assy
20:30	23:00	2.50	0.0	0.0	Other	Casing JSA
23:00	00:00	1.00	0.0	0.0	Other	Investigate w-ford problem

Job Number: 08ASQ0031
Company Rep: Rocco; Peter
Run Number: 1

Company: BEACH PETROLEUM LTD
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: PeeJay-1

Date/Time	Depth	Description
16-Nov-2008 11:00AM	0.0 m	Depassivated the batteries. 61938, OCV=21.78V, LCV=18.59V 61939, OCV=21.77V, LCV=18.51V 61940, OCV=21.77V, LCV=18.66V 61941, OCV=21.78V, LCV=18.51V
16-Nov-2008 8:30PM	0.0 m	Programmed primary and backup MWD. Both the tool are programmed through LTB to get the full wellsite test.
16-Nov-2008 10:10PM	0.0 m	Programmed primary and backup sonicVision*. The sonic tools are programmed for 10 s configuration for drilling and enable downlink for 1 s tripping out.
17-Nov-2008 10:00AM	0.0 m	Performed extender check for sonic tools. Sonic 9in is giving 120.3 kOhms of resistance. Sonic 8in is giving 120.5 kOhms
17-Nov-2008 10:30AM	0.0 m	Performed extender check for TeleScope. Extender resistance is 327 kOhms.
18-Nov-2008 4:20AM	0.0 m	Re-Initialized sonicVISION tool
18-Nov-2008 6:30AM	0.0 m	JSA for making up BHA
18-Nov-2008 7:30AM	0.0 m	Pick Up TeleScope
18-Nov-2008 8:42AM	0.0 m	Pick up Sonic
18-Nov-2008 8:50AM	0.0 m	Made up Sonic tool to TeleScope
18-Nov-2008 9:00AM	0.0 m	Made up thje BIT
18-Nov-2008 9:10AM	0.0 m	Bit below rotary (BRT)
18-Nov-2008 11:22AM	180.0 m	Drawworks calibration
18-Nov-2008 11:30AM	184.4 m	Hook Load sensor calibration
18-Nov-2008 11:54AM	184.1 m	Set bit depth as 184.11 m (same as BHA length)
18-Nov-2008 12:28PM	211.3 m	Start pumping to check the loses. No loses detected
18-Nov-2008 12:33PM	211.3 m	Stop pumping to install the flow measurement in the top of the casing
18-Nov-2008 1:47PM	211.3 m	Wash down to bottom
18-Nov-2008 3:13PM	229.0 m	Observed that C_PEAK dpoints sometimes giving 511
18-Nov-2008 3:40PM	229.0 m	BHI wits giving erronous reading
18-Nov-2008 4:57PM	253.7 m	Stoped Pumping
18-Nov-2008 5:48PM	264.0 m	BHI WITS is back ON again.
18-Nov-2008 6:13PM	271.0 m	Pump a survey, acquired bad survey. Recycled the pump again, still getting bad survey (H and Dip are out). Suspected casing interference.
18-Nov-2008 7:08PM	300.2 m	Pump a survey, acquired bad survey. Recycled the pump again, still getting bad survey (H and Dip are out). Suspected casing interference.
18-Nov-2008 8:25PM	329.0 m	Pump a Survey, DMAG correct survey. Good Survey
18-Nov-2008 9:30PM	363.0 m	Survey every 3 stands
18-Nov-2008 11:59PM	414.0 m	Midnight Depth
19-Nov-2008 12:00AM	414.0 m	Drilling Ahead with good signal, minimal shock/vib and stick slip. ROP avg 45m/hr
19-Nov-2008 2:00AM	509.0 m	Pumped survey. good survey 0.22 deg INC
19-Nov-2008 3:43AM	568.0 m	Drilling Ahead with good signal, minimal shock/vib and stick slip.
19-Nov-2008 6:16AM	654.0 m	Experience shocks while cleaning the hole (off bottom).
19-Nov-2008 9:49AM	761.0 m	Drill ahead, no shocks are seen on the screen. Take a survey every 3 stands as per plan.
19-Nov-2008 11:40AM	810.0 m	Called TD
19-Nov-2008 11:48AM	810.0 m	DL to Sonic
19-Nov-2008 12:00PM	809.0 m	Pumping gel to clean the hole
19-Nov-2008 1:30PM	809.0 m	Start POOH with elevator
19-Nov-2008 5:53PM	0.0 m	ART
19-Nov-2008 6:03PM	0.0 m	Break out the Bit

Date/Time		Depth		Description
19-Nov-2008	7:08PM	0.0	m	Lay Out Sonic
19-Nov-2008	7:20PM	0.0	m	Lay out TeleScope



Job Number:

08ASQ0031

Company Rep:

Rocco; Peter

Run Number:

1

Company:

BEACH PETROLEUM LTD

Location:

MEA-APG-ASQ

Rig Name:

West Triton

Well Name:

PeeJay-1

	19-Nov-2008 12:42 AM	18-Nov-2008 5:37 PM
Field Engineer	Dallas Perkins	Marganda Hasiholan
Depth	478.00 m	270.00 m
Avg ROP	22.14 m/hr	15.51 m/hr
On Bottom ROP	31.68 m/hr	48.94 m/hr
Flow Rate	1,200.00 galUS/min	1,200.00 galUS/min
Turbine RPM	4,101 rpm	4,101 rpm
Surface RPM	150 rpm	150 rpm
WOB Rotating	1.00 klbm	1.00 klbm
WOB Sliding		
DH WOB		
Surface Torque		
DH Torque		
Hookload	128 klbm	128 klbm
PickUp Weight		
Slack Weight		
Friction		
SPP On Bottom	2,032.00 psi	2,013.00 psi
SPP Off Bottom		
Diff Pressure		
BH Temperature		18.00 degC
Total Shocks (k)		
Max Shock Level		
Max Shock Duration		
Torsional Vib		
Lateral Vib		
Axial Vib		
CRPM		148 rpm
Stick/Slip		9
Formation	Limestone	Limestone
Signal Strength	77.00 psi	74.00 psi
Percent Signal Conf	94 %	97 %

Job Number:	08ASQ0031	Company:	BEACH PETROLEUM LTD	Rig Name:	West Triton
Company Rep:	Rocco;Peter	Location:	MEA-APG-ASQ	Well Name:	PeeJay-1
Run Number:	2				

Run Information

Date In		Date Out		Drilling Distance:	486.00 m	Drilling Hours:	15.50 hrs
21-Nov-2008 4:00PM		23-Nov-2008 7:30PM		Rotary Drilling Distance:	486.00 m	Rotary Drilling Hrs:	15.50 hrs
Depth (MD):	810.0 m	to	1454.0 m	Sliding Distance:	0.00 m	Sliding Hours:	0.00 hrs
Depth (TVD):	810.0 m	to	1454.0 m	Reaming Distance:	29.00 m	Reaming Hours:	2.00 hrs
Inclination:	0.21 deg	to	0.69 deg			Hrs Below Rotary:	51.50 hrs
Azimuth:	236.85 deg	to	132.78 deg			Total Pumping Hrs:	27.70 hrs
Hole Size:	12.25 in					Min DLS:	0.02 deg/30 m
Last Casing Size:	13.625 in			North Ref Used:	Grid North	Max DLS:	0.16 deg/30 m
Last Casing Depth:	803.0 m	(MD)		Magnetic Dec:	13.220 deg	Max DLS Depth:	1,285.8 m
Tool Face Arc:	.0 cm			Grid Correction:	0.420 deg	Surface Screen:	No
Total Face Angle:	0.00 deg			Total Correction:	12.800 deg	DFS Used:	No
				Est. Mag. Int:	0.00 deg	Inline Filter:	No

Rig Information

Rig Type:	Jack Up	Pump Type:	Triplex
Water Depth:	78.00 m	Pulse Damp Press:	700 psi
Air Gap:	11.30 m	Number of Pumps:	3
RKB Height:	34.20 m	Pump Line ID:	6.50 in
Ground Elevation:	112.16 m	Pump Output:	5.85 galUS/stroke
		Pump Stroke Len:	14.00 in

Run Objective

The objectives for this run is to find the zone of interest (oil) at 1300m MD and 1600 m MD.
The BHA quad combo of Schlumberger D&M is run to evaluate the formation.

The real time communication was configured 12Hz/6bps in TeleScope to evaluate the formation in real time.

D&M Crew List:

Cell Manager: Marganda Hasiholan Sihite
Crew: Wissam Chehabi, MWD
Dallas Perkins, LWD
Marganda Hasiholan Sihite, Cell Manager

DH Motor Information

Manufacturer:	Bit to Bend Dist:	m
Motor Type:	Bearing Play In:	in
Motor Size:	Bearing Play Out:	in
Serial No.:	Bent Sub Angle:	deg
Lobe Config:	Bent HSG Angle:	deg
Stage Length:	m	
Rubber:		
Sleeve Position:		
Sleeve Size:	in	
Bearing Type:		

RSS Information

RSS Manufacturer:	
RSS Type:	
RSS SN:	
RSS Size:	
Pulse Ht Threshold:	
Min Pulse Width:	
Max Pulse Width:	
Conn Phase Angle:	deg
Rise Time Const:	
Fall Time Const:	
Digit Time:	

MWD Configuration

Mod Type:	QPSK	Int Tool Face Offset:	0.00 deg	Bit Rate:	6 bps	Slimpulse Pulser Config:	
Mod Gap:	0.01200 in	Turbine Config:	600-1200 galUS/min	Frequency:	12 Hz	Pred Sig Strength @ TD:	psi
SPT Type:	HA						

Drilling Parameters

	Min	Max	Avg	Total DH Shocks (k):	1 k
BH Temperature:	40.00 degC	40.00 degC	40.00 degC	Max Shock Level:	3
Surface RPM:	147.00 rpm	147.00 rpm	147.00 rpm	Max Shock Duration:	0 sec

Rig Name: West Triton
Well Name: PeeJay-1

ROP:	6.00 m/hr	32.20 m/hr	31.35 m/hr
Surface Torque:	0.29 kft.lbf	0.29 kft.lbf	0.29 kft.lbf
Flow Rate:	1,200.00 galUS/min	1,200.00 galUS/min	1,200.00 galUS/min
WOB Sliding:			

Checkshot Type:
Checkshot Depth: m
Checkshot Incl: deg
Checkshot Azim: deg

Average Pump Pressure: psi

H2S In Well: No

Turbine RPM @ Min Flow Rate:	3,945 rpm	Min Flow Rate:	1,200.00galUS/min
Turbine RPM @ Max Flow Rate:	3,945 rpm	Max Flow Rate:	1,200.00galUS/min

SPP Off Bottom: psi
SPP On Bottom: 2,354.00 psi

Mud Information

Mud Type:	Water Base	Mud Clean:	Yes	pH:	9.50
Mud Company:	Baroid	LCM Type:		Chlorides:	35,000.00 ppm
Mud Brand:	KCl/Polymer	LCM Size:		Sand Content:	%
Funnel Viscosity:	65.00 s/qt	LCM Concentration:	lbs/bbl	Solids:	3.10 %
Plastic Viscosity:	19.00 cp	Weighting Material:	Barite	Percent Oil:	%
Yield Point:	32.00 lbm/100ft2	Mud Weight:	9.50 lbm/galUS		
Mud Resistivity:	0.13 ohm-m				

IADC Bit Grading

Manufacturer:	Hycalog	Total Revs:		IADC Code:	
Model:		Stick/Slip:		Jets (IUS/stroke):	
Type:	PDC	Reason Pulled:	Change Bottom Hole Assembly	Bit TFA:	0.00 in2

Inner Row	Outer Row	Dull Char	Location	Bearings/Seals	Gauge	Other Chars
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End of Run - Summary

Sync Hours:	30.93	hrs	Downhole Noise:	No	Run Failed:	Yes	
Jamming:	No	0.00 hrs	Surface System Failure:	No	D&M Trip:	No	
Surface Vibration:	No		Surface Noise:	No	Low Oil Flag:	No	0.00 hrs
Trans Fail:	No		H2S in Well:	No	Filter Screen/Plug Shear:	No	

Client Inconvenience: **Yes** Lost Time: 4.00hrs

Reason for POOH: Change Bottom Hole Assembly

D&M Run Obj Met? [DD and MWD/LWD]: **Yes**

Brief Run Summary:

BHA consists of Bit, ARC8, TeleScope, Sonic8 and SADN8 is run and successfully made and tested. During the run all the tools are performing well as expected.

The tool experienced high shocks and vibration. ARC8 experienced 7-8 hours of shock level 3. Fine tuning of RPM and WOB was done in order to mitigate these shocks and vibrations.

ARC continued to experience shocks even after fine-tuning.

Company man and all related personnel were informed of the situation and kept aware of its status.

@ 1454m MD due to insufficient ROP it was decided to POOH for a bit change.

After completing checks on LWD tools damage was found on the threads of the downhole ADN8 and uphole of the sonic.

Recorded mode data was then dumped showing clear and high density results.

The field print logs were delivered to the client.

Job Number:08ASQ0031

Company Rep:Rocco;Peter

Run Number:2

Company:BEACH PETROLEUM LTD

Location:MEA-APG-ASQ

Rig Name:West Triton

Well Name:PeeJay-1

Equipment on the Run

Equipment	Pump Hours		Software Version	Tool Size
	Start	Cumulative		
ARC8D-BB-1106	0.00 hrs	27.70 hrs	V9.3B	8.25 in
MDC-DE-VR52	0.00 hrs	27.70 hrs	9.2CO2	8.25 in
NDDC-CA-42730	0.00 hrs	27.70 hrs	V8.3A	8.25 in
NDDC-CA-42736	0.00 hrs	27.70 hrs	V8.3A	8.25 in
SD8D-CA-41229	0.00 hrs	27.70 hrs	V6.6b04	8.25 in

Services on the Run

Equipment	Service	Tool Name	Real Time			Recorded Mode			CAF
			Hours	Failed	Depth	Hours	Failed	Depth	
LWD	Resistivity	arcVision	27.70 hrs		486.0 m	51.50 hrs		486.0 m	
LWD	APWD	arcVision	27.70 hrs		486.0 m	51.50 hrs		486.0 m	
LWD	Gamma Ray	arcVision	27.70 hrs		486.0 m	51.50 hrs		486.0 m	
MWD	Cont D&I	TeleScope	27.70 hrs		486.0 m	hrs			
MWD	D&I	TeleScope	27.70 hrs		486.0 m	51.50 hrs		486.0 m	
LWD	Shear DT	SonicVision	hrs			51.50 hrs		486.0 m	
LWD	Compressional DT	SonicVision	27.70 hrs		486.0 m	51.50 hrs		486.0 m	
LWD	Density Image	sadnVision	27.70 hrs		486.0 m	51.50 hrs		486.0 m	
LWD	Caliper	sadnVision	27.70 hrs		486.0 m	51.50 hrs		486.0 m	
LWD	Density	sadnVision	27.70 hrs		486.0 m	51.50 hrs		486.0 m	
LWD	Neutron	sadnVision	27.70 hrs		486.0 m	51.50 hrs		486.0 m	



Job Number:

08ASQ0031

Company Rep:

Rocco;Peter

Run Number:

2

Company:

BEACH PETROLEUM LTD

Location:

MEA-APG-ASQ

BHA Type:

Other

Rig Name:

West Triton

Well Name:

PeeJay-1

Item	Description	Vendor	Tool Name	Serial Number	Length	OD, in	ID, in	Fishing Neck		Stab	Bottom Connection		Top Connection		Cumul Len
								OD, in	Len, m	OD, in	Size	Type	Size	Type	
1	BIT	Hycalog	PDC	218663	0.35 m	12.25									0.35 m
2	BIT SUB			7221	1.22 m	8.25	3.00								1.57 m
3	LWD	D&M	arcVISION	1106	5.79 m	8.25	3.00				6 5/8"	API REG PIN	6 5/8"	API FH BOX	7.36 m
4	MWD	D&M	TeleScope	VR52	8.43 m	8.25	4.25				6 5/8"	API FH PIN	6 5/8"	API FH BOX	15.79 m
5	LWD	D&M	SonicVISION	41229	7.72 m	8.25	4.13				6 5/8"	API FH PIN	6 5/8"	API FH BOX	23.51 m
6	LWD	D&M	sadnVISION	42736	9.36 m	8.25	3.30			12.00		API FH PIN	6 5/8"	API REG BOX	32.87 m
7	DRILL COLLAR			IY8250	37.78 m	8.25	2.81				6 5/8"	API REG PIN	6 5/8"	API REG BOX	70.65 m
8	JAR			17621371	9.68 m	8.00	2.81				6 5/8"	API REG PIN	6 5/8"	API REG BOX	80.33 m
9	DRILL COLLAR			4T8	9.41 m	8.00	2.81				6 5/8"	API REG PIN	6 5/8"	API REG BOX	89.74 m
10	CROSSOVER			7132	0.93 m	5.50	2.81				6 5/8"	API REG PIN	5 1/2"		90.67 m
11	HWDP			seadrill	56.21 m	5.50	3.25				5 1/2"		5 1/2"		146.88 m

Predicted BHA Tendency:

Hookload Out:

Pickup Out:

Slack Weight:

Wt Below Jars:

Wt Above Jars:

Total Air Wt:

Stab Description	Mid Pt to Bit	Blade			Gauge		
		Type	Len	Width	Len	In	Out

Bit to Read Out Port			Bit to Measurement Port		
LWD-arcVISION	5.20	m	arcVISION-Resistivity	4.07	m
MWD-TeleScope	9.10	m	arcVISION-APWD	3.36	m
LWD-SonicVISION	20.50	m	arcVISION-Gamma Ray	4.12	m
LWD-sadnVISION	27.60	m	TeleScope-D&I	11.48	m
			SonicVISION-Shear DT	20.93	m
			SonicVISION-Compressional	20.93	m
			sadnVISION-Caliper	26.66	m
			sadnVISION-Density	26.83	m
			sadnVISION-Neutron	28.81	m



Job Number:

08ASQ0031

Company Rep:

Rocco;Peter

Run No:

2

Company:

BEACH PETROLEUM LTD

Location:

MEA-APG-ASQ

Rig Name:

West Triton

Well Name:

PeeJay-1

			Depth in m		IADC Activity	Description
From	To	Elapsed	From	To		
2-Nov-2008						
00:00	00:30	0.50	33.0	33.0	MWD/LWD service quality	SHT
00:30	04:30	4.00	33.0	781.0	PU / LD BHA / Tripping	P/up DP and RIH o 781m
04:30	06:30	2.00	781.0	810.0	Reaming / Hole opener / Unc	ream f/781 to 792 drill out shoe
06:30	07:00	0.50	810.0	813.0	Drilling	Drill new formation
07:00	09:00	2.00	813.0	813.0	Circulate / Condition mud	Codition Mud
09:00	00:00	15.00	813.0	1296.0	Drilling	Continue drill ahead 12.25" hole
3-Nov-2008						
00:00	14:00	14.00	1296.0	1454.0	Drilling	Drilling f/1296 - 1454 m
14:00	00:00	10.00	1454.0	0.0	PU / LD BHA / Tripping	POOH

Job Number:

08ASQ0031

Company Rep:

Rocco;Peter

Run Number:

2

Company:

BEACH PETROLEUM LTD

Location:

MEA-APG-ASQ

Rig Name:

West Triton

Well Name:

PeeJay-1

Date/Time		Depth		Description
21-Nov-2008	3:30PM	0.0	m	Pickup Arc
21-Nov-2008	3:50PM	0.0	m	Pickup Telescope
21-Nov-2008	4:00PM	0.0	m	Bit Below Rotary Table
21-Nov-2008	4:15PM	0.0	m	Pickup Sonic
21-Nov-2008	4:40PM	0.0	m	Pickup Primary sADN
21-Nov-2008	5:28PM	33.0	m	SHT. Successful without source
21-Nov-2008	6:00PM	33.0	m	Problems Loading source into primary sADN
21-Nov-2008	7:00PM	33.0	m	FSM was contacted regarding source loading problem
21-Nov-2008	8:15PM	23.0	m	LayDown Primary sADN
21-Nov-2008	8:40PM	23.0	m	Pickup Backup sADN
21-Nov-2008	9:00PM	33.0	m	SHT with Backup sADN without Source
21-Nov-2008	9:30PM	33.0	m	Load the source to the back up ADN
21-Nov-2008	11:00PM	200.0	m	SHT with Source. All the status word is giving 0, good tool G. Continue to make up BHA
21-Nov-2008	11:30PM	210.0	m	Continue RIH
22-Nov-2008	4:15AM	774.0	m	Top of Cement
22-Nov-2008	4:22AM	795.0	m	Drilling out cement
22-Nov-2008	4:42AM	796.9	m	Set Bit Depth at stand 23 and Hole Depth at 800 m
22-Nov-2008	5:59AM	795.0	m	Rm=0.1214 Ohm.m @ 17.2 degC
22-Nov-2008	9:49AM	842.0	m	Acquired good survey
22-Nov-2008	1:22PM	930.0	m	Acquired good survey
22-Nov-2008	4:22PM	1061.0	m	Drilling ahead at 1061 m. No shock experience. Good survey acquired.
22-Nov-2008	6:46PM	1149.0	m	Drilling ahead, good signal. minimal shock-vibration/stick'n'slip. ROP average 37m/hr
22-Nov-2008	7:34PM	1178.0	m	Mud weight 9.6 in 9.5 out
22-Nov-2008	8:19PM	1200.0	m	drilling peramiters change due to mud losses. Observed Shock Level1 on MWD, Shock Level 3 on Sonic and ARC. reported increase of shk over this period.
22-Nov-2008	9:23PM	1238.0	m	Drill returned to normal. only minimal shock-vibration/stick'n'slip. ROP average 50m/hr
22-Nov-2008	11:59PM	1296.0	m	Midnight Depth
23-Nov-2008	1:30AM	1339.0	m	Observed Shock level 3 from ARC and Shock Level 1 from MWD. for 3 frames contacted rig floor, torque has increased suspect stringer
23-Nov-2008	1:50AM	1350.0	m	Observed Shock level 3 from ARC and Shock Level 1 from MWD & ADN. for 3 frames contacted rig floor, torque has increased suspect stringer
23-Nov-2008	3:44AM	1389.0	m	Drilling ahead. minimal shk-vib. zone of interest reduced ROP 25m/hr
23-Nov-2008	4:21AM	1405.0	m	Observed level shk from ARC. for 4 frames
23-Nov-2008	5:47AM	1422.0	m	Observed ARC & MWD shock level 3. contact drill floor. picked up off bottom.
23-Nov-2008	7:30AM	1452.0	m	Experience high shocks level for all tools. Pick up off bottom, coordinate with the driller to mitigate and informed the company man. Bit bouncing detected.
23-Nov-2008	8:53AM	1453.0	m	Experience high shocks still present. Try to mitigate by trying different RPM and WOB.
23-Nov-2008	9:30AM	1453.0	m	Continue drilling with very slow ROP.
23-Nov-2008	1:00PM	1454.0	m	Decided to POOH
23-Nov-2008	5:45PM	33.0	m	Break out the ADN from the BHA. Unload the source.
23-Nov-2008	6:15PM	20.0	m	Break out the SONIC from ADN and founf the thread is broken for top of the sonic and downhole of ADN.
23-Nov-2008	7:30PM	14.0	m	Bit Above Rotary Table
23-Nov-2008	8:00PM	0.0	m	Break and lay down the TeleScope, ARC and Sonic



Drilling Parameters Report

29-Nov-2008

2:57:37PM

Job Number: 08ASQ0031
Company Rep: Rocco;Peter
Run Number: 2

Company: BEACH PETROLEUM LTD
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: PeeJay-1

	22-Nov-2008 4:41 PM
Field Engineer	Marganda Hasiholan
Depth	1,082.00 m
Avg ROP	20.25 m/hr
On Bottom ROP	57.86 m/hr
Flow Rate	1,200.00 galUS/min
Turbine RPM	3,945 rpm
Surface RPM	147 rpm
WOB Rotating	10.00 klbm
WOB Sliding	
DH WOB	
Surface Torque	.29 kft.lbf
DH Torque	
Hookload	158 klbm
PickUp Weight	
Slack Weight	
Friction	
SPP On Bottom	2,354.00 psi
SPP Off Bottom	
Diff Pressure	
BH Temperature	40.00 degC
Total Shocks (k)	1 k
Max Shock Level	3
Max Shock Duration	
Torsional Vib	
Lateral Vib	
Axial Vib	
CRPM	147 rpm
Stick/Slip	27
Formation	Limestone
Signal Strength	55.00 psi
Percent Signal Conf	83 %



Job Number:	08ASQ0031	Company:	BEACH PETROLEUM LTD	Rig Name:	West Triton
Company Rep:	Sean De Freitas; Peter Dane	Location:	MEA-APG-ASQ	Well Name:	PeeJay-1
Run Number:	3				

Run Information

Date In		Date Out		Drilling Distance:	730.00 m	Drilling Hours:	77.50 hrs
24-Nov-2008 1:46AM		28-Nov-2008 1:50AM		Rotary Drilling Distance:	730.00 m	Rotary Drilling Hrs:	77.50 hrs
Depth (MD):	1454.0 m	to	2183.0 m	Sliding Distance:	0.00 m	Sliding Hours:	0.00 hrs
Depth (TVD):	1454.0 m	to	2183.0 m	Reaming Distance:	0.00 m	Reaming Hours:	0.00 hrs
Inclination:	0.69 deg	to	0.98 deg			Hrs Below Rotary:	96.07 hrs
Azimuth:	132.78 deg	to	61.66 deg			Total Pumping Hrs:	85.40 hrs
Hole Size:	12.25 in					Min DLS:	0.06 deg/30 m
Last Casing Size:	9.625 in			North Ref Used:	Grid North	Max DLS:	0.51 deg/30 m
Last Casing Depth:	810.0 m	(MD)		Magnetic Dec:	13.220 deg	Max DLS Depth:	1,492.0 m
				Grid Correction:	0.420 deg	Surface Screen:	No
Tool Face Arc:	.0 cm			Total Correction:	12.800 deg	DFS Used:	No
Total Face Angle:	0.00 deg			Est. Mag. Int:	0.00 deg	Inline Filter:	No

Rig Information

Rig Type:	Jack Up	Pump Type:	Triplex
Water Depth:	78.00 m	Pulse Damp Press:	700 psi
Air Gap:	11.30 m	Number of Pumps:	3
RKB Height:	34.20 m	Pump Line ID:	6.50 in
Ground Elevation:	112.16 m	Pump Output:	5.85 galUS/stroke
		Pump Stroke Len:	14.00 in

Run Objective

The objective for this run is to find the secondary target of reservoir at `1600 m MD. The quad combo Schlumberger D&M's tool is run to evaluate the formation with contingency plan to run Schlumberger's wireline tool.

D&M Crew List:

Cell Manager: Marganda Hasiholan Sihite
Crew: Wissam Chehabi, MWD
Dallas Perkins, LWD
Marganda Hasiholan Sihite, Cell Manager

DH Motor Information

Manufacturer:	Bit to Bend Dist:	m
Motor Type:	Bearing Play In:	in
Motor Size:	Bearing Play Out:	in
Serial No.:	Bent Sub Angle:	deg
Lobe Config:	Bent HSG Angle:	deg
Stage Length:		m
Rubber:		
Sleeve Position:		
Sleeve Size:		in
Bearing Type:		

RSS Information

RSS Manufacturer:	
RSS Type:	
RSS SN:	
RSS Size:	
Pulse Ht Threshold:	
Min Pulse Width:	
Max Pulse Width:	
Conn Phase Angle:	deg
Rise Time Const:	
Fall Time Const:	
Digit Time:	

MWD Configuration

Mod Type:	QPSK	Int Tool Face Offset:	0.00 deg	Bit Rate:	6 bps	Slimpulse Pulser Config:	
Mod Gap:	0.01200 in	Turbine Config:	600-1200 galUS/min	Frequency:	12 Hz	Pred Sig Strength @ TD:	psi
SPT Type:	HA						

Drilling Parameters

	Min	Max	Avg	Total DH Shocks (k):	3 k
BH Temperature:	57.00 degC	77.00 degC	65.00 degC	Max Shock Level:	3
Surface RPM:	135.00 rpm	150.00 rpm	145.25 rpm	Max Shock Duration:	0 sec

Rig Name: West Triton
Well Name: PeeJay-1

Checkshot Type:
 Checkshot Depth: m
 Checkshot Incl: deg
 Checkshot Azim: deg

H2S In Well: No

SPP Off Bottom: psi

SPP On Bottom: 2,240.00 psi

Mud Information

Mud Type:	Water Base	Mud Clean:	No	pH:	9.50
Mud Company:	Bariod	LCM Type:		Chlorides:	38,100.00 ppm
Mud Brand:	KCl/Polymer	LCM Size:		Sand Content:	0.80 %
Funnel Viscosity:	56.00 s/qt	LCM Concentration:	lbs/bbl	Solids:	4.90 %
Plastic Viscosity:	19.00 cp	Weighting Material:	Barite	Percent Oil:	%
Yield Point:	35.00 lbm/100ft2	Mud Weight:	9.50 lbm/galUS		
Mud Resistivity:	0.09 ohm-m				

IADC Bit Grading

Manufacturer:	Hughes Christianson	Total Revs:	IADC Code:
Model:	MXL-C30HDX	Stick/Slip:	Jets (IUS/stroke):
Type:	Milltooth	Reason Pulled:	Total Depth/Casing Depth
		Bit TFA:	0.00 in2

Inner Row	Outer Row	Dull Char	Location	Bearings/Seals	Gauge	Other Chars
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End of Run - Summary

Sync Hours:	80.83	hrs	Downhole Noise:	No	Run Failed:	Yes	
Jamming:	No	0.00 hrs	Surface System Failure:	No	D&M Trip:	No	
Surface Vibration:	No		Surface Noise:	No	Low Oil Flag:	No	0.00 hrs
Trans Fail:	No		H2S in Well:	No	Filter Screen/Plug Shear:	No	

Client Inconvenience: **No** Lost Time: hrs

Reason for POOH: Total Depth/Casing Depth

D&M Run Obj Met? [DD and MWD/LWD]: Yes

Brief Run Summary:

The well was successfully drilled to planned TD 2133m MD. The client decided to drill ahead to find the clean sand. The new TD was reached at 1600 hrs @ 2183 m MD.

The SADN8 was run in Recorded Mode only due to broken sub. Beside the failure of button resistivities, the client was happy with the Schlumberger D&M performance.

All the tool are laid down and succesfully dumped. Log was proccessed and given to the client for Field Print in the wellsite.

When laying out BHA, it was found that the stabilizer of SADN8, GVR8 and wear band in sonic8 are worn out.

Job Number:

08ASQ0031

Company Rep:

Sean De Freitas; Peter Dane

Run Number:

3

Company:

BEACH PETROLEUM LTD

Location:

MEA-APG-ASQ

Rig Name:

West Triton

Well Name:

PeeJay-1

Equipment on the Run

Equipment	Pump Hours		Software Version	Tool Size
	Start	Cumulative		
MDC-DE-VR52	27.70 hrs	113.10 hrs	9.2CO2	8.25 in
NDDC-CA-42730	27.70 hrs	113.10 hrs	V8.3A	8.25 in
RBDC-CA-025	0.00 hrs	85.40 hrs	V9.1b02	8.25 in
SD8D-CA-41229	0.00 hrs	85.40 hrs	V6.6b04	8.25 in

Services on the Run

Equipment	Service	Tool Name	Real Time			Recorded Mode			CAF
			Hours	Failed	Depth	Hours	Failed	Depth	
LWD	GeoVision	GeoVision	85.40 hrs		730.0 m	96.07 hrs		730.0 m	
LWD	Ring Resistivity	GeoVision	85.40 hrs		730.0 m	96.07 hrs		730.0 m	
LWD	Bit Resistivity	GeoVision	85.40 hrs		730.0 m	96.07 hrs		730.0 m	
LWD	Button Resistivity	GeoVision	23.00 hrs		226.0 m	30.50 hrs		226.0 m	
LWD	GammaRay	GeoVision	85.40 hrs		730.0 m	96.07 hrs		730.0 m	
MWD	Cont D&I	TeleScope	85.40 hrs		730.0 m	hrs			
MWD	D&I	TeleScope	85.40 hrs		730.0 m	96.07 hrs		730.0 m	
LWD	Shear DT	SonicVision	hrs			96.07 hrs		730.0 m	
LWD	Compressional DT	SonicVision	85.40 hrs		730.0 m	96.07 hrs		730.0 m	
LWD	Density Image	sadnVision	85.40 hrs		730.0 m	96.07 hrs		730.0 m	
LWD	Caliper	sadnVision	85.40 hrs		730.0 m	96.07 hrs		730.0 m	
LWD	Density	sadnVision	85.40 hrs		730.0 m	96.07 hrs		730.0 m	
LWD	Neutron	sadnVision	85.40 hrs		730.0 m	96.07 hrs		730.0 m	



Job Number:

08ASQ0031

Company Rep:

Sean De Freitas; Peter Dane

Run Number:

3

Company:

BEACH PETROLEUM LTD

Location:

MEA-APG-ASQ

BHA Type:

Other

Rig Name:

West Triton

Well Name:

PeeJay-1

Item	Description	Vendor	Tool Name	Serial Number	Length		OD, in	ID, in	Fishing Neck		Stab	Bottom Connection		Top Connection		Cumul Len
									OD, in	Len, m	OD, in	Size	Type	Size	Type	
1	BIT	Hughes Christianson	Milltooth	6069569	0.34	m	12.25									0.34 m
2	BIT SUB			7221	1.22	m	8.25	3.00								1.56 m
3	LWD	D&M	GeoVISION	025	4.20	m	8.25	3.00				6 5/8"	API REG PIN	6 5/8"	API FH BOX	5.76 m
4	MWD	D&M	TeleScope	VR52	8.43	m	8.25	4.25				6 5/8"	API FH PIN	6 5/8"	API FH BOX	14.19 m
5	LWD	D&M	SonicVISION	41229	8.52	m	8.25	4.13				6 5/8"	API FH PIN	6 5/8"	API FH BOX	22.71 m
6	LWD	D&M	sadnVISION	42730	9.34	m	8.25	3.30			12.00		API FH PIN	6 5/8"	API REG BOX	32.05 m
7	DRILL COLLAR			IY8250	66.14	m	8.25	2.81				6 5/8"	API REG PIN	6 5/8"	API REG BOX	98.19 m
8	JAR			17621371	9.68	m	8.00	2.81				6 5/8"	API REG PIN	6 5/8"	API REG BOX	107.87 m
9	DRILL COLLAR			4T8	9.41	m	8.00	2.81				6 5/8"	API REG PIN	6 5/8"	API REG BOX	117.28 m
10	CROSSOVER			7132	0.93	m	5.50	2.81				6 5/8"	API REG PIN	5 1/2"		118.21 m
11	HWDP			seadrill	56.21	m	5.50	3.25				5 1/2"		5 1/2"		174.42 m

Predicted BHA Tendency:

Hookload Out:

Wt Below Jars:

Pickup Out:

Wt Above Jars:

Slack Weight:

Total Air Wt:

Stab Description	Mid Pt to Bit	Blade			Gauge		
		Type	Len	Width	Len	In	Out

Bit to Read Out Port			Bit to Measurement Port		
LWD-GeoVISION	5.20	m	TeleScope-D&I	9.94	m
MWD-TeleScope	7.60	m	SonicVISION-Shear DT	18.83	m
LWD-SonicVISION	18.40	m	SonicVISION-Compressional	18.83	m
LWD-sadnVISION	26.00	m	sadnVISION-Caliper	25.04	m
			sadnVISION-Density	25.21	m
			sadnVISION-Neutron	27.04	m
			GeoVISION-Ring Resistivity	3.07	m
			GeoVISION-Bit Resistivity	1.11	m
			GeoVISION-Button Resistivity	3.58	m
			GeoVISION-GammaRay	2.81	m



Job Number: 08ASQ0031

Company Rep: Sean De Freitas; Peter Dan

Run No: 3

Company: BEACH PETROLEUM LTD

Location: MEA-APG-ASQ

Rig Name: West Triton

Well Name: PeeJay-1

			Depth in m		IADC Activity	Description
From	To	Elapsed	From	To		
4-Nov-2008						
00:00	01:00	1.00	0.0	0.0	Other	Prep MWD/LWD tools
01:00	03:00	2.00	0.0	32.0	PU / LD BHA / Tripping	P/up BHA
03:00	04:00	1.00	32.0	32.0	Other	SHT and load source into sadn
04:00	07:30	3.50	174.0	804.0	PU / LD BHA / Tripping	RIH to 174m
07:30	08:30	1.00	804.0	1454.0	Circulate / Condition mud	circ@shoe and continue to RIH
08:30	15:00	6.50	1454.0	1499.0	Drilling	Contine Drilling 12.25in hole f/1454m to 1499m
15:00	15:30	0.50	1499.0	1499.0	Other	Losses over shakers. stop drilling
15:30	17:00	1.50	1499.0	1517.0	Drilling	Contine Drilling 12.25in hole f/1499m to 1517m
17:00	17:30	0.50	1517.0	1517.0	Other	Losses over shakers. stop drilling
17:30	00:00	6.50	1517.0	1609.0	Drilling	Contine Drilling 12.25in hole f/1517m to 1609m
5-Nov-2008						
00:00	09:30	9.50	1609.0	1680.0	Drilling	Drilling ahead f/1609 to 1680
09:30	10:00	0.50	1680.0	1680.0	Lubricate rig / Service	Lubricated rig equip
10:00	00:00	14.00	1680.0	1838.0	Drilling	Drilling ahead f/1609 to 1838
6-Nov-2008						
00:00	06:30	6.50	1838.0	1916.0	Drilling	Drilling ahead f/1838 to 1916
06:30	07:00	0.50	1916.0	1916.0	Lubricate rig / Service	Rig Service
07:00	00:00	17.00	1916.0	2058.0	Drilling	Drilling ahead f/1916 to 1916
7-Nov-2008						
00:00	16:00	16.00	2058.0	2183.0	Drilling	Drilling
16:00	00:00	8.00	2183.0	200.0	PU / LD BHA / Tripping	POOH

Job Number:

08ASQ0031

Company Rep:

Sean De Freitas; Peter Dane

Run Number:

3

Company:

BEACH PETROLEUM LTD

Location:

MEA-APG-ASQ

Rig Name:

West Triton

Well Name:

PeeJay-1

Date/Time		Depth		Description
24-Nov-2008	1:00AM	0.0	m	P/UP GVR
24-Nov-2008	1:30AM	0.0	m	P/UP TeleScope
24-Nov-2008	1:46AM	20.0	m	Bit Below Rotary
24-Nov-2008	2:00AM	0.0	m	P/UP Sonic
24-Nov-2008	2:30AM	0.0	m	P/UP sADN
24-Nov-2008	3:00AM	0.0	m	SHT @ 800gpm
24-Nov-2008	3:30AM	33.0	m	Load Source into sADN Tool
24-Nov-2008	4:00AM	33.0	m	RIH to Bottom
24-Nov-2008	8:14AM	1440.0	m	Tagged bottom.
24-Nov-2008	9:13AM	1440.0	m	Hole cleaning, observed minor peek shk.
24-Nov-2008	11:39AM	1474.0	m	Drilling through hard formations.
24-Nov-2008	1:45PM	1501.0	m	Shakers over flowing, stop drilling.
24-Nov-2008	2:45PM	1502.0	m	Go back on bottom.
24-Nov-2008	4:43PM	1534.0	m	Ajam seeing in the in the HSPM
24-Nov-2008	5:21PM	1534.0	m	MWD stat word is jaming.
24-Nov-2008	5:25PM	1537.0	m	A_Jam is still exist, informed the company man.
24-Nov-2008	7:21PM	1562.0	m	Drilling ahead good signal, minimal shocks ROP avg 5m/hr
24-Nov-2008	9:09PM	1579.0	m	Minimal shock peek observed.
24-Nov-2008	9:48PM	1591.0	m	Peek shock observed while coming off bottom at stand down.
24-Nov-2008	10:25PM	1596.0	m	Sonic shock level 2 and medium shk peek while tagging bottom after connection
24-Nov-2008	10:54PM	1606.0	m	Sonic shock level 2 and medium shk peek while picking up off bottom
24-Nov-2008	11:59PM	1609.0	m	Peek shk encountered while pickup off bottom and reaming the stand before connection. also level 2 sonic shk.
24-Nov-2008	11:59PM	1609.0	m	Spoke to rig floor regrading increased freq of peek shock.suspect stringer/coal
25-Nov-2008	12:27AM	1625.0	m	Sonic and peek shks becoming more frequent again also showing very high stick'n'slip, contacted rig floor regarding this drill string torquing up due to stringer. keeping a close eye on shk-vib while drilling though this sringer
25-Nov-2008	12:42AM	1629.0	m	Still getting losses over shakers and shk had increase. lowered to 90rpm shk are back to minimal and have broken through stringer
25-Nov-2008	12:56AM	1630.0	m	encountering another stringer. showing high stick slip and level 2 sonic shk and increased peek shks, contacted rig floor going to try changing drilling perameters
25-Nov-2008	2:31AM	1645.0	m	observed high peek shk and stick'n'slip, shk level 2 on sonic. shk-rsk level 1 for 5 frames
25-Nov-2008	2:43AM	1648.0	m	Contacted driller regarding high stick'n'slip. picked up off bottom
25-Nov-2008	2:51AM	1649.0	m	show high stick'n'slip. contacted drill floor going to try different drilling perameters.
25-Nov-2008	3:49AM	1654.0	m	Show severe stick'n'slip, sonic shk level2 and mwd shk-rsk level1. contacted drill floor regarding problem. problem still at 90rpm going to change rpm to try and mitagte stick'n'slip and shk values.
25-Nov-2008	4:32AM	1663.0	m	Show severe stick'n'slip, sonic shk level2 and mwd shk-rsk level1. contacted drill floor regarding problem. trying to mitigate problem. also spoke to GEO about problem.
25-Nov-2008	4:51AM	1665.0	m	Observed a large drop in stick'n'slip, still showing level1&2 shk from sonic and medium level peek shk.
25-Nov-2008	5:15AM	1667.0	m	Drilling ahead good signal, minimal stick'n'slip and shocks.
25-Nov-2008	8:06AM	1680.0	m	The shallow button resistivity of GVR showing erratic reading. The res reading is not coressponding to other res reading. Suspected the shallow buttons res sensor failed.
25-Nov-2008	10:00AM	1696.0	m	Discussed with OSC about the res reading.
25-Nov-2008	11:32AM	1711.0	m	Drilling through hard formation. Bit bouncing
25-Nov-2008	2:13PM	1724.0	m	Shock risk level 1 and sonic shock level 1. Pick up off bottom.
25-Nov-2008	3:16PM	1733.0	m	ROP is picked up to be 40 m/hr.
25-Nov-2008	3:35PM	2183.0	m	TD called
25-Nov-2008	4:30PM	2183.0	m	DL to Sonic and DL is succesfull
25-Nov-2008	6:47PM	1945.0	m	Tripping Out of hole
26-Nov-2008	12:39AM	1860.0	m	Drilling ahead with good signal. and very minimal stick'n'slip and shocks. ROP 26m/hr
26-Nov-2008	6:19AM	1919.0	m	Drilling ahead very minimal shocks and stick'n'slip.
26-Nov-2008	12:35PM	1972.0	m	HSPM showing the tool sends survey frame and utility frame (recycled). Spectogram showing there is a certain time that signal lost.

Date/Time	Depth	Description
26-Nov-2008 1:28PM	1977.1 m	The MWD stat showing 36 and 32.
26-Nov-2008 3:26PM	1996.0 m	Drilling with slow ROP, signal good and tool is responding very well.
26-Nov-2008 9:18PM	2048.0 m	Drilling with slow ROP, signal good. very minimal shocks
26-Nov-2008 9:30PM	2050.0 m	Observed low shock peek.
26-Nov-2008 10:30PM	2056.0 m	loss of signal. for about 4mins
26-Nov-2008 10:34PM	2057.0 m	Drilling Ahead with good signal.
27-Nov-2008 12:38AM	2066.0 m	Drilling with slow ROP, signal good and tool is responding very well.
27-Nov-2008 1:33AM	2072.0 m	Showing frequent peek shks under 50g
27-Nov-2008 2:30AM	2077.0 m	Observed decrease in SPP contact rig floor and mud loggers. suspect due to mud mixing.
27-Nov-2008 3:07AM	2079.0 m	Observed slight increase in peek shk. still 50g and below. for around ten mins.
27-Nov-2008 4:46AM	2183.0 m	DL to Sonic to 1s record rate.
27-Nov-2008 6:12AM	2094.0 m	Drilling ahead. good signal, avg ROP 5m/hr
27-Nov-2008 7:06AM	2100.0 m	Drilling ahead with slow ROP, WOB is about 35 k. Good signal, sometimes the bit is bouncing.
27-Nov-2008 7:38AM	2104.0 m	Pump 3 offline
27-Nov-2008 7:51AM	2104.0 m	Pump 3 back online
27-Nov-2008 7:55AM	2104.0 m	IDEAL crahed. Restart the system and restore DLIS.
27-Nov-2008 9:26AM	2126.0 m	MWDstat showing 4. It means mag unstable with LTB power.
27-Nov-2008 4:20PM	2183.0 m	Called TD
27-Nov-2008 4:46PM	2135.0 m	Keep drilling until find clean sandstone.
27-Nov-2008 5:20PM	2183.0 m	POOH
28-Nov-2008 1:00AM	30.0 m	Unloading the source from SADN8
28-Nov-2008 1:30AM	28.0 m	Break down SADN8
28-Nov-2008 1:50AM	0.0 m	Bit above rotary table
28-Nov-2008 2:30AM	0.0 m	Lay out Sonic
28-Nov-2008 2:50AM	0.0 m	Lay out TeleScope
28-Nov-2008 2:55AM	0.0 m	Lay out GVR



Drilling Parameters Report

29-Nov-2008

2:50:30PM

Job Number:

08ASQ0031

Company Rep:

Sean De Freitas; Peter Dane

Run Number:

3

Company:

BEACH PETROLEUM LTD

Location:

MEA-APG-ASQ

Rig Name:

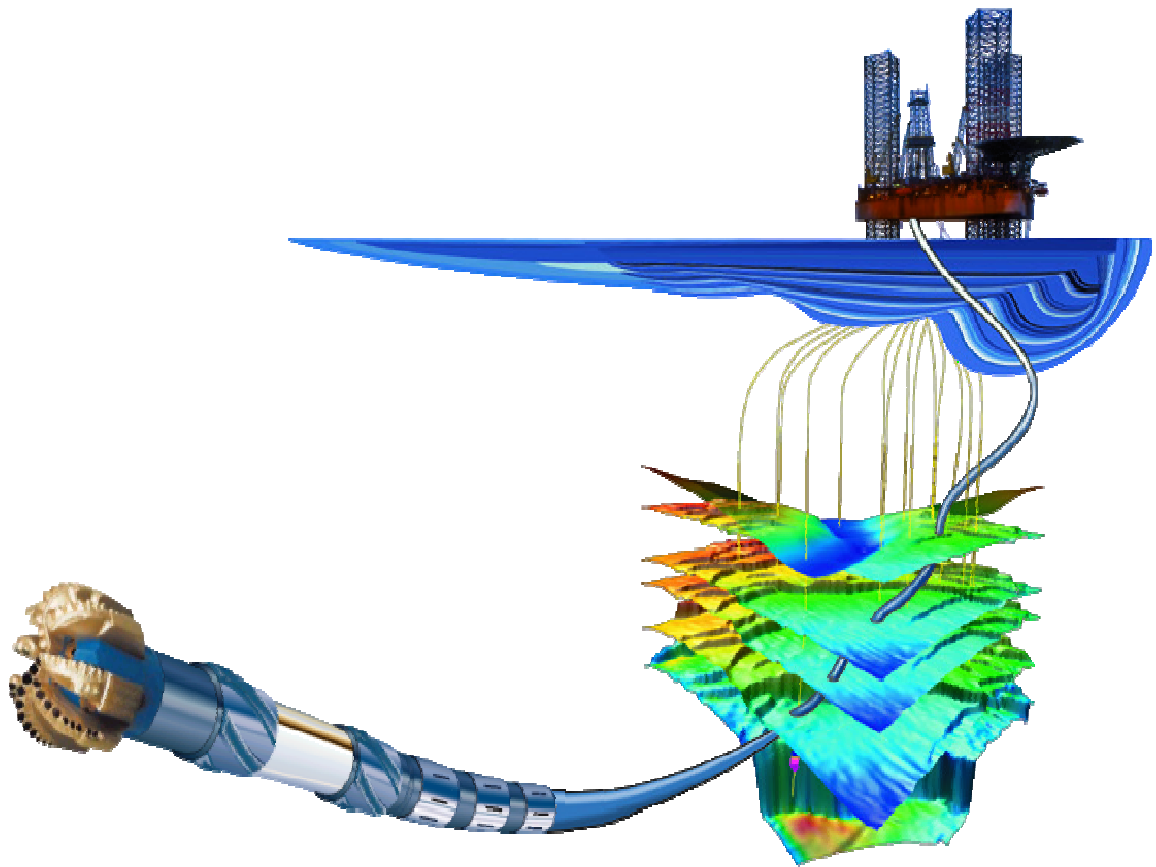
West Triton

Well Name:

PeeJay-1

	27-Nov-2008 10:47 AM	26-Nov-2008 6:59 AM	25-Nov-2008 7:01 AM	24-Nov-2008 6:13 PM
Field Engineer	Marganda Hasiholan	Marganda Hasiholan	Marganda Hasiholan	Marganda Hasiholan
Depth	2,144.00 m	1,921.00 m	1,680.00 m	1,554.00 m
Avg ROP	5.21 m/hr	9.17 m/hr	9.54 m/hr	6.97 m/hr
On Bottom ROP	7.81 m/hr	10.63 m/hr	12.05 m/hr	15.50 m/hr
Flow Rate	1,200.00 galUS/min	1,200.00 galUS/min	1,100.00 galUS/min	700.00 galUS/min
Turbine RPM	4,179 rpm	4,179 rpm	3,945 rpm	3,476 rpm
Surface RPM	146 rpm	150 rpm	150 rpm	135 rpm
WOB Rotating	38.00 klbm	23.00 klbm	17.00 klbm	14.00 klbm
WOB Sliding				
DH WOB				
Surface Torque	8.39 kft.lbf	3.78 kft.lbf	3.75 kft.lbf	1.75 kft.lbf
DH Torque				
Hookload	241 klbm	202 klbm	180 klbm	178 klbm
PickUp Weight				
Slack Weight				
Friction				
SPP On Bottom	3,300.00 psi	3,052.00 psi	2,759.00 psi	2,240.00 psi
SPP Off Bottom				
Diff Pressure				
BH Temperature	77.00 degC	66.00 degC	60.00 degC	57.00 degC
Total Shocks (k)	1 k	1 k	1 k	
Max Shock Level		3	3	
Max Shock Duration				
Torsional Vib				
Lateral Vib				
Axial Vib				
CRPM	146 rpm	150 rpm	150 rpm	134 rpm
Stick/Slip	12	6	12	12
Formation	Dolomite	Sandstone	Sandstone	Sandstone
Signal Strength	41.00 psi	44.00 psi	32.00 psi	19.00 psi
Percent Signal Conf	78 %	75 %	80 %	65 %

5. Service Quality Issues



Job Number: 08ASQ0031
Company Rep: Rocco;Peter
Run Number: 2

Company: BEACH PETROLEUM LTD
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: PeeJay-1

Failure Number: 1

Fail Date: 21-Nov-2008
Severity: Near
CAF: YES
Lost Rig Time: 4.00 hrs

Pump Hour @ Fail: 0.00 hrs
Drill Hours @ Fail: 0.00 hrs
Hours BRT @ Fail: 0.00 hrs
Depth @ Fail: 0.0 m

Failed Services:

Failed Equipment:

NDDC-CA - 42730

Failure Description and Symptoms

Completed By: Marganda Hasiholan Sihite
Date: 22-Nov-2008

After completing the first successful shallow hole test(sourclass), an attempt was made to load the radioactive source into the ADN8. This was found to be a difficult procedure as the source cavity cap would not easily be removed, after removal of the source cavity cap an unknown material was found on top of the cavity cap. the nuclear source was then inserted into the tool and latching the beryllium copper head to the source pocket could not be done.

Remedial Action Attempted on Location

Completed By: Marganda Hasiholan Sihite
Date: 22-Nov-2008

Different methods and repeated attempts were done unsuccessfully. Issue was then discussed with the company man and the decision was then made to test source loading of the backup tool. This was found to be successful and the decision was made to run the backup tool downhole. (SN:42736)

UNABLE TO LOAD THE RADIOACTIVE SOURCE TO SADN8

Description

At 21st November 2008 @ 13:30, the BHA for 12.25 sections is started to make up. The entire tool was re-initialized and ready to pick up. At 17:00, the BHA was successfully made up and ready for 1st SHT (without loading the nuclear source). Tool was pumped with 800 gpm, good signal and good result. 1st SHT was done at 17:28 pm. Prior to do SHT, the IDEAL computer was crashed and could not restart. The other computer has to be set up to be ready for SHT.

The D&M's crew was ready for loading the radioactive source to SAN8 tool. The radioactive source was brought to the rig floor. Work permit and announcement was made for loading the radioactive source.

The problem was begun when the D&M crew wanted to remove the source cavity cap from the tool. It took about 20 minutes to be able to get the source cavity cap out from the tool. The problem was could not find the thread to latch the source handling tool to. When the source cavity cap came out from the tool it was found something like rags come out on the top of the source cavity cap. That's why it was hard to latch to the cap. Checked with the driller and said that was not from the mud pit.

The funnel was inserted and transfer shield was put to the top of the tool. When wanted to load the source, could not find the thread to latch to the head of the Source. Attempted to remove the funnel and load the source again, still did not find the thread to land the source properly. It was 19:00, the Field Service Manager was contacted and suggested something to try. The D&M crew in rig site try and still did not work.

The company man came to the rig floor and discussed about this problem. This problem happened also before in the previous well but for unloading the radioactive source. The company man suggested picking up back up SADN8. The D&M crews agreed and have to test to put the source first to the tool in the rig floor just to be sure it works. The test was successfully done and it worked perfect for the back up tool (SN: 42736). The back up tool was re-initialized, put the sub on and extender and ready to pick up. While re-initializing the back up tool, the primary tool (SN: 43270) was laid down in the cantilever.

Pick up back up tool, performed another SHT at 22:00 to confirm the RT communication. SHT was good, good communication between all the tools. Load the source with the funnel and RIH.

Summary

1. Non productive time to the client +/- 4 hrs.
2. D&M Schlumberger crew in the rig site had tried everything to load the source to the primary tool (SN: 43730) but still unable to put the source properly in the tool.
3. Pick up the back up tool (SN: 43736) and the source was loaded successfully.

Schlumberger D&M Rig Site Crew

1. Marganda Hasiholan Sihite
2. Dallas Perkins
3. Wissam Chehabi

Job Number: 08ASQ0031

Company: BEACH PETROLEUM LTD

Rig Name: West Triton

Company Rep: Sean De Freitas; Peter Dane

Location: MEA-APG-ASQ

Well Name: PeeJay-1

Run Number: 3

Failure Number: 1

Fail Date: 25-Nov-2008

Severity: Near

CAF: NO

Lost Rig Time: hrs

Pump Hour @ Fail: 23.00 hrs

Drill Hours @ Fail: 23.00 hrs

Hours BRT @ Fail: 30.50 hrs

Depth @ Fail: 1680.0 m

Failed Services:

GeoVision (Button Resistivity)

Failed Equipment:

RBDC-CA - 025

Failure Description and Symptoms

Completed By: Marganda Hasiholan Sihite

Date: 26-Nov-2008

The BHA was succesfully made consist of GVR8, TeleScope8, sonic8 and SADN8. Prior RIH the tool was SHT'ed and all the realtime communication was good and all the tools response are make sense. RIH and tag bottom at 1440 m.

At 24-Nov-2008 @ 2200 hrs, the hard formation drilled and giving a lot of shocks & vibration (stick and slip) to to the tool. The intermitten high shocks and vibrations were seen in the screen for 5 hours.

The hard formation was succesfully drilled at 0500 hrs @ 25-Nov-2008.

The shallow, deep button resistivities, ring and bit were transmitting in real time. At 25-Nov-2008 at 0800 hrs, the shallow button resistivity reading was not correlating to the other resistivity reading and next an hour the deep button also giving the same response. Both the shallow and deep button resistivi failed at 0800 hrs and 0900 hrs.

Remedial Action Attempted on Location

Completed By: Marganda Hasiholan Sihite

Date: 26-Nov-2008

In terms of mitigating shocks and vibrations, the different methods were tried such as rotating in different RPM and WOB. Sometimes pick up off bottom to realease the torque. The fine tuning of drilling parameter kept trying to mitigate the shocks and vibrations and keep in touch with the driller.

In terms of shallow and deep button resistivites failure, the FSM was informed, discussed with OSC and informed the geologist and company man. It was decided to drill ahead with ring and bit resistivites on hand.

NCR 1 - GVR Button Resistivity Failures

Client:	Beach Petroleum Ltd	Run No.:	BHA#2, Run #3
Rig:	West Triton	Severity:	
Location:	T/39P TAS	QUEST Number:	
Well:	PeeJay-1	Schlumberger Lost:	
Author(s):	Marganda Hasiholan Sihite	Incident Date:	25-Nov-2008
Job No.:	08ASQ0031	Report Date:	25-Nov-2008

Description	GVR8 Failure Collar S/N: CA-025
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Objective:

RIH the BHA consisting of GVR8, TeleScope8, Sonic8 and SADN8 with milltooth bit. Mud was KCl/Polymer, acceptable mud weight is about 8.8 – 9.5ppg. The run is intended to find the reservoir as per correlation with existing well by using GR-RES-DEN-NEU-SON and to evaluate the reservoir (predicted base at 1600mMD).

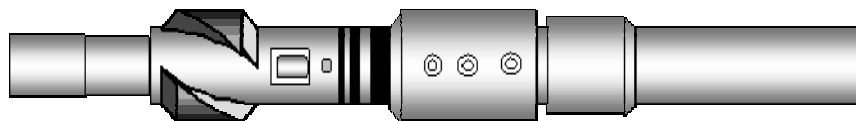


Figure 1 – GVR

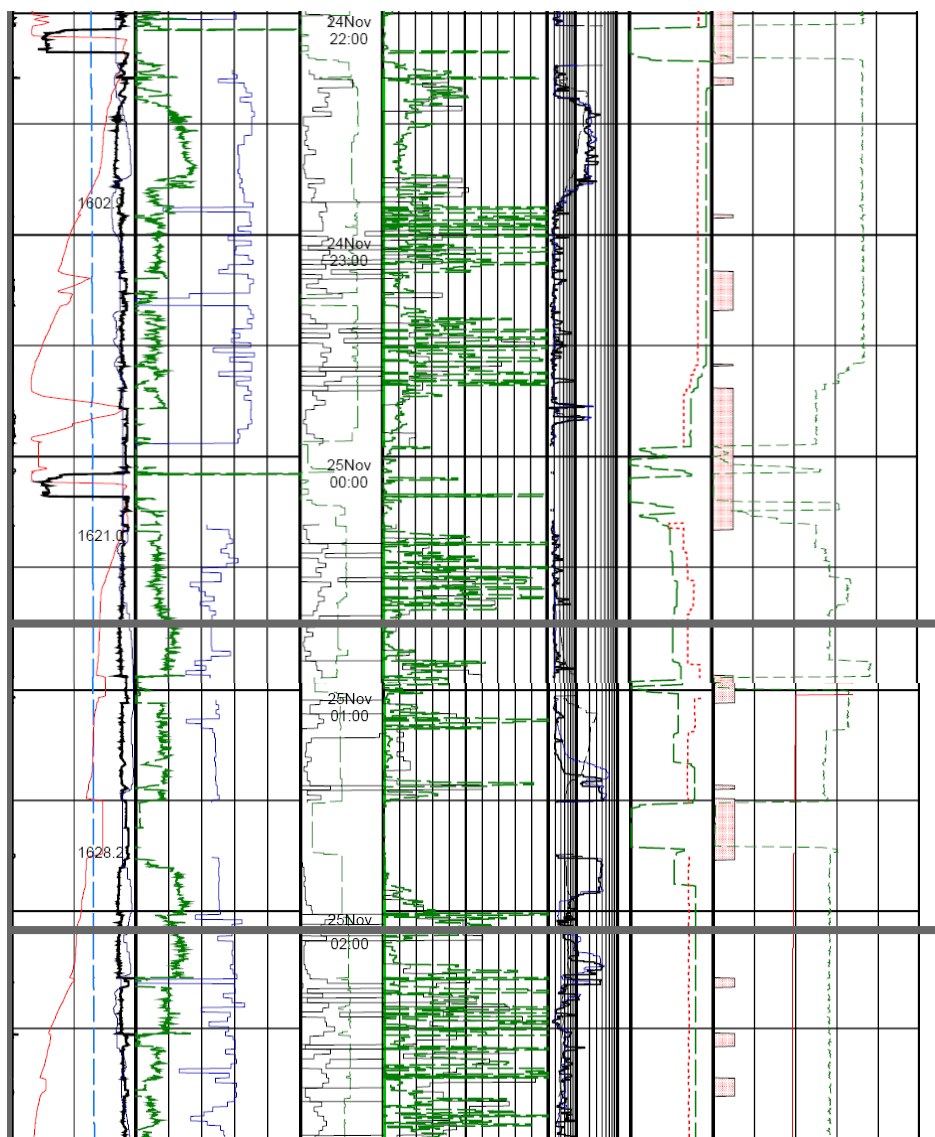
The run started at 1454m MD until well TD at 2134m MD. The GVR Shallow Button, Deep Button, Ring and Bit Resistivities are transmitting in real time. At 1680mMD, the shallow button resistivity reading became is really erratic and it seems not correlating with the other resistivities reading. Few more meters to go, the deep button resistivity reading showing the same result. Both shallow button and deep button resistivities have failed.

Brief Description of Event:

BHA #3 was RIH and re-commenced drilling from 1454 m MD. Prior to RIH, the tools were SHT'ed good on the surface. During drilling, good signal and good real-time Data communication between

TeleScope and GVR was acquired. There were no shocks and vibrations, resistivities reading were correlating one to each other.

At 24-Nov-2008 start at 2200 hrs local time, there was an episode of high shocks on the BHA as shown in the drilling mechanics log below which lasted for duration of about 5 hours. All measures taken to mitigate the severity of were unsuccessful.



After this incident, at 25-Nov-2008 at 0800 hours, the button resistivities reading are wrong (shallow button and deep button). The geologist and company man were informed as well as FSM in town. The decision to drill ahead was made by using ring and bit resistivities.

Event Analysis/Diagnosis

Shop Analysis:

At the Shop the tool's button sleeve had been worn badly with the OD under-gauge and three sensors - Shallow, medium and deep sensors were peeled off and not re-usable.

On further inspection of the tool, the seal of the RBDC and RBBS got damaged beyond the 25% limit for repairs. The available room on both RBDC and RBBS for repair was less 0.25" (or 1/8" for each). The RBBS cannot be re-used if the seal damage is repaired due to the length will be shorter and would not match with collar so a new RBBS replacement is required.

Damage to the Lower Sensor during extreme drilling caused the sensor to be removed from its shield. Middle sensor got damage on the insulator ring; thus it failed on insulation test.

Damage seal on RBDC as well as RBBS.



Sleeve washes out



Lower Sensor Damage



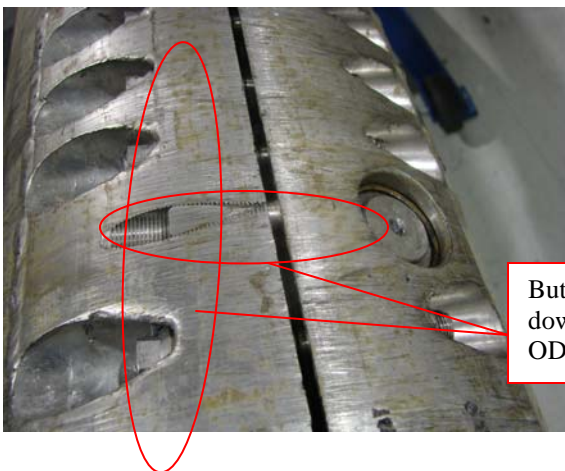
This part supposed to be on its shield



Button Sleeve Damage



Three sensor (main electrode) are all gone i.e. see missing black rings, as seen on good sensors on the right.



Button Sleeve worn right down to the bolts on the OD.

Middle Sensor Damage



Damage Insulator.
Right Picture shows good insulators i.e. the black bands

