

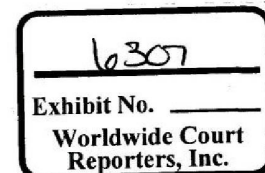
From: Thurmond, Benjamin F
Sent: Sun Jul 25 15:58:01 2010
To: 'Chavez, Anne K'; Caldwell, Jason; Dupree, James H; Hill, Andrew W; Hill, Trevor; Inglis, Andy G (UPSTREAM); Looney, Bernard; McDonald, W Leith; Tooms, Paul J; Willson, Stephen SM; Yeilding, Cindy; Baker, Kate H (Swift); Merrill, Robert C; Last, Nigel (Sunbury); MC252_Email_Retention; 'Missy.Owens@hq.doe.gov'; Tatro, Marjorie (Sandia National Laboratories); Blankenship, Douglas (UNKNOWN BUSINESS PARTNER); Gates, Jayne
Cc: Gochmour, Matt; Baker, Jeffrey (FRONT LINE GROUP); Edwards, Michael L
Subject: WIT BP Update, Sunday, July 25, 11:00am Central (12:00pm Eastern/10:00am Mountain) -
Importance: Normal
Attachments: 25_07_1100hrs_WIT Review.ppt

All,
Attached is BP's slide pack with our daily update to the Science Team.
There will be no meetings today, but personnel will be available to answer questions.
Meetings will resume on Monday, 26 July 11:00.
<<...>>

Regards,
Ben

Ben F. Thurmond

BP Norge AS
mobile (USA) [REDACTED]
mobile (Norway) [REDACTED]



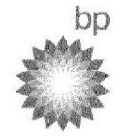
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BP-HZN-2179MDL01597151

BPD187-083600

TREX-006307.0001

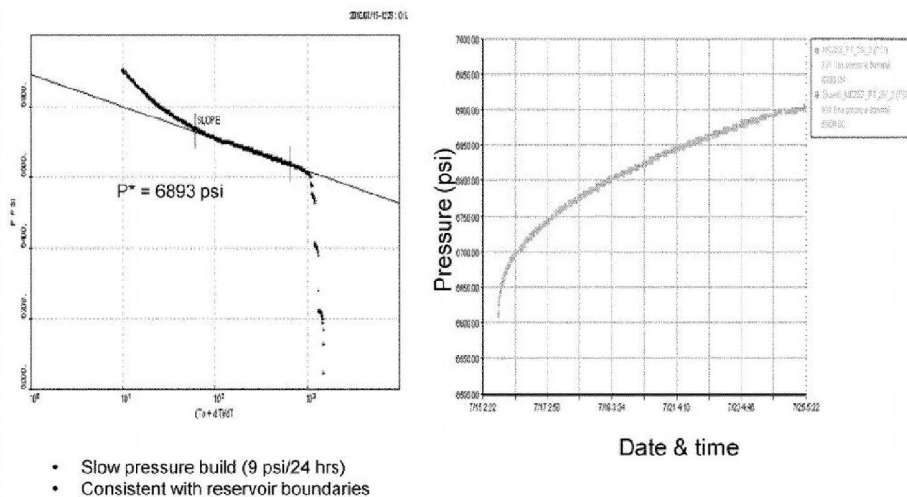
TREX 006307.0001



Well Integrity Test Data Review

11:00 hrs 25th July 2010

Pressure from the Kill Line Pressure
Transmitter
Current Pressure = 6905 psi; 10:30 25-July-2010



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BP-HZN-2179MDL01597153

BPD187-083602

TREX 006307.0003

TREX-006307.0003

Data

Well head flow indicators



Seabed Visual

- No observed anomalies.

Seabed Sonar

- Limited sonar readings increasing to normal coverage today. No anomalies.

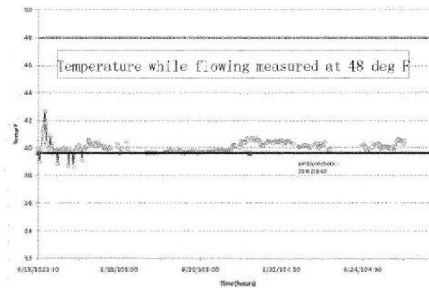
Stack Leaks

- Gas bubbles from mud line and cement outlet (no hydrate) no change. 7/23 sample at lab for analysis. Next sample waiting on vessel return to field.
- Hydrocarbon weeps from below the 3 ram stack connector and at upper annular. Bubble rate stabilized. Some hydrates formed.
- No anomalies.

Temperature

@ 06:30 = 40.32 deg F
(7/24)

@ 05:00 = 40.54 deg F (7/25)
36" Conductor Temp (F) commencing 6-15-2010



Geophone Array

- Third data set processed. No anomalies.

Data Anomaly Investigation Log
MC 252, 7/25/10, 10:00



Event:	Time/Date:	Location:	Description:	Actions:	Observation:	Interpretation: BP	Interpretation: Science Team
1	17 Jul '10	3 km SW of MC 252-1 wellhead	22:30 Reported plume from Pisces	Reviewed on post event seismic	No geophysical anomalies observed on data acquired 4/26 and 7/17/10	BP: Coincident with MC 296-1 (Rigel) well head	Gas plume; note that the location of this feature was surveyed by NOAA Ship Pisces on four separate occasions and it was observed three of the four times, suggesting intermittent release of gas. Post shut in line 3 imaged; no anomaly at or near the seafloor, at or near the MC296-1 well head location.
2	18 Jul '10	54m, 45deg from wellhead	13:15 Reported plume from Pisces	14:50 Investigated with ROV UH0, Boa Subsea M36. 4 sector sonar scan and seabed survey	No seabed visual or sonar anomalies observed	No plume found within +/- 25' of location by ROV, suspect "plume" is bubble stream from cement port	Events 2 & 3 are not two separate events. They are acoustic response at the seafloor and in the water column that are interpreted as a plume initiated in the vicinity of the MC 252 #1 wellhead. It is most likely associated with gas leaking from a flange to flange metal interface on the wellhead (as observed by ROV video) because this leak forms hydrate that attaches to the wellhead (as observed on ROV video) and intermittently breaks off and rises within the plume. These break-off events are observed as stronger acoustic

Data Anomaly Investigation Log (cont.)
MC 252, 7/25/10, 10:00



Event:	Time/Date:	Location:	Description:	Actions:	Observation:	Interpretation: BP	Interpretation: Science Team
3	18 Jul 10	87m, 070deg from wellhead	13:15 Reported plume from Pisces	15:45 Investigated with ROV UHD, Boa Subsea M36: 4 sector sonar scan and seabed survey.	No seabed visual or sonar anomalies observed	No significant plume found	See Event 2
4	18 July 10	Vertical plume 223m, 129deg to 44m, 44deg from wellhead	13:15 Through water column plume reported from Pisces, up to 1000m above seabed	17:00 Investigated SE end of area with ROV UHD, Boa Subsea M36: 4 sector sonar scan and seabed survey. Investigation by ROV @ 100m intervals through water column to 1000m above seabed Repeat ROV over wellhead 7/19/10	No visual or sonar anomalies observed in water column cutting through vertical extent of "plume" No visual or sonar anomalies observed in water column cutting through vertical extent of "plume"	No observed plume No observed plume	A plume of gas bubbles in the water column. We cannot determine the source of these bubbles but two potential sources have been identified: gas from the cement return line or methane from the leaking flange on the csp.
5	18 July 10 16:00	36" conductor housing (mudline)	Bubbles observed, 1-5 seconds per bubble	2 Samples obtained	Sample 1 analyzed on Enterprise, 16% methane. Sample 2 analysis complete at Isotech, composition 85% nitrogen, 15% methane.	Most likely nitrogen product of cement around conductor.	Likely off-gassing from cemented annular - typical of subsea wellheads.

Data Anomaly Investigation Log (cont.)
MC 252, 7/25/10, 10:00



Event:	Time/Date:	Location:	Description:	Actions:	Observation:	Interpretation: BP	Interpretation: Science Team
6	19 July 10	Cement return valve	Bubbles observed	Six clean bottles procured. On route to field. Deployment 07/21/10.			Awaiting lab analysis.
7	19 July 10 02:00	Capping stack connector to stack gasket	Leak, hydrate formation	Hydrate monitoring	Monitor for increase in bubble flowrate.	Minor leak at metal to metal gasket. Overall stack integrity acceptable for short term.	Capping stack and associated hardware was hydrostatically tested to over 11,000psi, build up of gas inside stack likely producing leak at metal to metal seal.
8	20 July 10	Horizon ROP annular preventer	Leak from flange, hydrate formation	Hydrate monitoring	Monitor for increase in bubble flowrate.	Minor leak at metal to metal gasket. Overall stack integrity acceptable for short term.	Possibly due to gas build up in stack.
9	21 July 10	BOP and Capping Stack	Marked decrease in bubble count between 2030 and 2230hrs	None.	Continue monitoring.	Normal variability.	
10	21 July 10	BOP and Capping Stack	Bubble count returned to earlier higher values at 0830.	None.	Continue monitoring.	Normal variability.	
11	23 July 10	BOP and Capping Stack	Bubble count approximately doubled over 24-hr period.	None.	Continue monitoring.	Normal variability.	

Data Anomaly Investigation Log (cont.)
 MC 252, 7/25/10, 10:00
 (no additional events since 7/24/10)



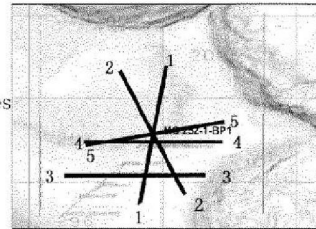
Event:	Time/Date:	Location:	Description:	Actions:	Observation:	Interpretation: BP	Interpretation: Science Team
12	24 July 2010	BCP and Capping Stack	Bubble data count is limited, but values have fallen back somewhat from the observed peak on July 23.	None.	Continue monitoring.	Normal variability.	



Data - Seismic

Geophysical Operations, 7/25/10

- Topaz acquired Line 5.
- Helicopter data delivery to shore will allow processed results by the evening.
- Vessel standing by in field awaiting permission to acquire more data from SIMOPS.
- RAS completed yesterday.
- Vessel scheduled to depart to Saudi Arabia 1st August; discussion started with WG on extending availability pending agreements on forward data needs.
- Nikola in port
 - Data quality issues with Line 4
 - Processing failed to obtain meaningful res
 - AIS system being replaced



Data



Geco Topaz Acquisition to 25th July 09.00									
Attempt	DATE	LINE NAME	Version	Acquisition	QC Stack	Full Processing	Workstation Upload	Interpretation	
								BP	Govt.
1	13th JULY 2010	1	1	Completed	yes	yes	yes	No change to 3D	Agree with BP (USGS BOEM)
2	16th JULY 2010	1A	2	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
3	17th JULY 2010	1B	3	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
4	17th JULY 2010	2	n/a	Aborted	n/a	n/a	n/a	n/a	n/a
5	17th JULY 2010	1C	n/a	Aborted	n/a	n/a	n/a	n/a	n/a
6	17th JULY 2010	2B	n/a	Aborted	n/a	n/a	n/a	n/a	n/a
7	18th JULY 2010	1D	4	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
8	18th JULY 2010	2C	1	Completed	yes	yes	yes	No change to 3D	Compared to 3D no change
9	18th JULY 2010	1E	5	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
10	18th JULY 2010	2D	2	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
11	18th JULY 2010	1F	6	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
12	18th JULY 2010	2E	3	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
13	20th JULY 2010	2F	4	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
14	20th JULY 2010	1G	7	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
15	21st JULY 2010	2G	5	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
16	21st JULY 2010	1H	8	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
17	21st JULY 2010	3	1	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
18	22nd JULY 2010	2H	6	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
19	22nd JULY 2010	1I	9	Completed	yes	yes	yes	No change	Agree with BP (USGS BOEM)
20	25th JULY 2010	5	1	Completed	yes	swatched	swatched	swatched	swatched

Nikola Acquisition to 25th July 09.00									
Attempt	DATE	LINE NAME	Version	Acquisition	QC Stack	Full Processing	Workstation Upload	Interpretation	
								BP	Govt.
1	22nd JULY 2010	4	1	Completed with issues	n/a	Abandoned	no	Data unusable	n/a

18 Lines acquired; 17 since shut in; 16 processed; 16 interpreted

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BP-HZN-2179MDL01597160

BPD187-083609

TREX 006307.0010

TREX-006307.0010

Interpretation & Discussion



Negative Test Indicators (as agreed in protocol with the UAC):

- ☐ Pressures plateau less than 6000 psi
- ☐ Pressure transient or “breakover”
- ☐ Visual or sonar evidence of broaching, especially near wellbore
- ☐ Observed leak at BOP system
- ☐ Differences on seismic
- ☐ Gas in water column

Recommendations



- Extend Well Integrity Test with monitoring as per guidelines

Forward Plan, 25 July, 10:00
24 hour Data Acquisition & Monitoring Plan



- **Seismic Acquisition**
 - No access for seismic vessels anticipated for next 24 hours
 - Preparing to resume normal seismic operations (Lines 1 and 2) Monday, July 26th
 - Nikola to return to field Monday, July 26th
- **Surface Sonar Full Water Column Monitoring**
 - Gordon Gunter return to field Sunday 22:00 July 25
 - Pisces returns to field July 25 pm/July 26 am
 - Pisces and/or Gunter to follow Topaz over wellhead; coordination with SIMOPs for other near-well monitoring
 - Henry Bigelow to field to relieve Pisces, Thursday July 29
- **Seabed Sonar Monitoring**
 - Limited monitoring continuing, full coverage from 12:00
- **Wellhead Geophone Data Acquisition**
 - 3 datasets received to date
 - Planned retrieval of weather-event data July 25th pm
- **ROV plan**
 - Continued monitoring of pressure, temperature, bubble count and passive acoustics.
- **Autonomous Pressure Data Logging**
 - Testing continues, system not required at this time

Event:	Time/Date:	Location:	Description:	Actions:	Observation:	Interpretation: BP	Interpretation: Science Team
3	18 Jul 10	87m, 070deg from wellhead	13:15 Reported plume from Pisces	15:45 Investigated with ROV UHD, Boa Subsea M36: 4 sector sonar scan and seabed survey.	No seabed visual or sonar anomalies observed	No significant plume found	See Event 2
4	18 July 10	Vertical plume 223m, 129deg to 44m, 44deg from wellhead	13:15 Through water column plume reported from Pisces, up to 1000m above seabed	17:00 Investigated SE end of area with ROV UHD, Boa Subsea M36: 4 sector sonar scan and seabed survey. Investigation by ROV @ 100m intervals through water column to 1000m above seabed Repeat ROV over wellhead 7/19/10	No visual or sonar anomalies observed in water column cutting through vertical extent of "plume" No visual or sonar anomalies observed in water column cutting through vertical extent of "plume"	No observed plume No observed plume	A plume of gas bubbles in the water column. We cannot determine the source of these bubbles but two potential sources have been identified: gas from the cement return line or methane from the leaking flange on the cap.
5	18 July 10 16:00	36" conductor housing (mudline)	Bubbles observed, 1-5 seconds per bubble	2 Samples obtained	Sample 1 analyzed on Enterprise, 16% methane. Sample 2 analysis complete at Isotech, composition 85% nitrogen, 15% methane.	Most likely nitrogen product of cement around conductor.	Likely off-gassing from cemented annular – typical of subsea wellheads.

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BP-HZN-2179MDL01597164

BPD187-083613

TREX 006307.0014

TREX-006307.0014

Event:	Time/Date:	Location:	Description:	Actions:	Observation:	Interpretation: BP	Interpretation: Science Team
6	19 July 10	Cement return valve	Bubbles observed	Six clean bottles procured. On route to field. Deployment 07/21/10.			Awaiting lab analysis.
7	19 July 10 02:00	Capping stack connector to stack gasket	Leak, hydrate formation	Hydrate monitoring	Monitor for increase in bubble flowrate.	Minor leak at metal to metal gasket. Overall stack integrity acceptable for short term .	Capping stack and associated hardware was hydrostatically tested to over 11,000psi , build up of gas inside stack likely producing leak at metal to metal seal.
8	20 July 10	Horizon BOP annular preventer	Leak from flange, hydrate formation	Hydrate monitoring	Monitor for increase in bubble flowrate.	Minor leak at metal to metal gasket. Overall stack integrity acceptable for short term .	Possibly due to gas build up in stack.
9	21 July 10	BOP and Capping Stack	Marked decrease in bubble count between 2030 and 2230hrs	None.	Continue monitoring.	Normal variability.	
10	07/21/10	BOP and Capping Stack	Bubble count returned to earlier higher values at 0830.	None.	Continue monitoring.	Normal variability.	
11	07/23/10	BOP and Capping Stack	Bubble count approximately doubled over 24-hr period.	None.	Continue monitoring.	Normal variability.	

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BP-HZN-2179MDL01597165

BPD187-083614

TREX 006307.0015

TREX-006307.0015

Event:	Time/Date:	Location:	Description:	Actions:	Observation:	Interpretation: BP	Interpretation: Science Team
6	19 July 10	Cement return valve	Bubbles observed	Six clean bottles procured. On route to field. Deployment 07/21/10.			Awaiting lab analysis.
7	19 July 10 02:00	Capping stack connector to stack gasket	Leak, hydrate formation	Hydrate monitoring	Monitor for increase in bubble flowrate.	Minor leak at metal to metal gasket. Overall stack integrity acceptable for short term .	Capping stack and associated hardware was hydrostatically tested to over 11,000psi , build up of gas inside stack likely producing leak at metal to metal seal.
8	20 July 10	Horizon BOP annular preventer	Leak from flange, hydrate formation	Hydrate monitoring	Monitor for increase in bubble flowrate.	Minor leak at metal to metal gasket. Overall stack integrity acceptable for short term .	Possibly due to gas build up in stack.
9	21 July 10	BOP and Capping Stack	Marked decrease in bubble count between 2030 and 2230hrs	None.	Continue monitoring.	Normal variability.	
10	21 July 10	BOP and Capping Stack	Bubble count returned to earlier higher values at 0830.	None.	Continue monitoring.	Normal variability.	
11	23 July 10	BOP and Capping Stack	Bubble count approximately doubled over 24-hr period.	None.	Continue monitoring.	Normal variability.	

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BP-HZN-2179MDL01597166

BPD187-083615

TREX 006307.0016

TREX-006307.0016

Event:	Time/Date:	Location:	Description:	Actions:	Observation:	Interpretation: BP	Interpretation: Science Team
12	24 July 2010	BOP and Capping Stack	Bubble data count is limited, but values have fallen back somewhat from the observed peak on July 23.	None.	Continue monitoring.	Normal variability.	

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BP-HZN-2179MDL01597167

BPD187-083616

TREX 006307.0017

TREX-006307.0017

Event:	Time/Date:	Location:	Description:	Actions:	Observation:	Interpretation: BP	Interpretation: Science Team
1	17 Jul 10	3 km SW of MC 252-1 wellhead	22:30 Reported plume from Pisces	Reviewed on post event seismic	No geophysical anomalies observed on data acquired 4/26 and 7/17/110	BP: Coincident with MC 296-1 (Rigel) well head	Gas plume; note that the location of this feature was surveyed by NOAA Ship Pisces on four separate occasions and it was observed three of the four times, suggesting intermittent release of gas. Post shut in line 3 imaged; no anomaly at or near the seafloor, at or near the MC296-1 well head location.
2	18 Jul 10	54m, 45deg from wellhead	13:15 Reported plume from Pisces	14:50 Investigated with ROV UHD, Boa Subsea M36: 4 sector sonar scan and seabed survey	No seabed visual or sonar anomalies observed	No plume found within +/- 25' of location by ROV, suspect "plume" is bubble stream from cement port	Events 2 & 3 are not two separate events. They are acoustic responses at the seafloor and in the water column that are interpreted as a plume initiated in the vicinity of the MC 252 #1 wellhead. It is most likely associated with gas leaking from a flange to flange metal interface on the wellhead (as observed by ROV video) because this leak forms hydrate that attaches to the wellhead (as observed on ROV video) and intermittently breaks off and rises within the plume. These break-off events are observed as stronger acoustic

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BP-HZN-2179MDL01597168

BPD187-083617

TREX 006307.0018

TREX-006307.0018

							responses by the NOAA Ship Pisces. <u>Note:</u> bubble streams form plumes; so no distinction should be made between "bubble streams" and "plumes" in the interpretations.
3	18 Jul 10	87m, 070deg from wellhead	13:15 Reported plume from Pisces	15:45 Investigated with ROV UHD, Boa Subsea M36: 4 sector sonar scan and seabed survey	No seabed visual or sonar anomalies observed	No significant plume found	See Event 2.

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BP-HZN-2179MDL01597169

BPD187-083618

TREX 006307.0019

TREX-006307.0019

Event:	Time/Date:	Location:	Description:	Actions:	Observation:	Interpretation: BP	Interpretation: Science Team
4	18 July 10	Vertical plume 223m, 129deg to 44m, 44deg from wellhead	13:15 Through water column plume reported from Pisces, up to 1000m above seabed	17:00 Investigated SE end of area with ROV UHD, Boa Subsea M36: 4 sector sonar scan and seabed survey. Investigation by ROV @ 100m intervals through water column to 1000m above seabed Repeat ROV over wellhead 7/19/10	No visual or sonar anomalies observed in water column cutting through vertical extent of "plume" No visual or sonar anomalies observed in water column cutting through vertical extent of "plume"	No observed plume No observed plume	A plume of gas bubbles in the water column. We cannot determine the source of these bubbles but two potential sources have been identified: gas from the cement return line or methane from the leaking flange on the cap.
5	18 July 10 16:00	36" conductor housing (mudline)	Bubbles observed, 1-5 seconds per bubble	2 Samples obtained	Sample 1 analyzed on Enterprise, 16% methane. Sample 2 analysis complete at Isotech, composition 85% nitrogen, 15% methane.	Most likely nitrogen product of cement around conductor.	Likely off-gassing from cemented annular – typical of subsea wellheads.
6	19 July 10	Cement return valve	Bubbles observed	Six clean bottles procured. On route to field. Deployment 07/21/10.			Awaiting lab analysis.

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BP-HZN-2179MDL01597170

BPD187-083619

TREX 006307.0020

TREX-006307.0020

Event:	Time/Date:	Location:	Description:	Actions:	Observation:	Interpretation: BP	Interpretation: Science Team
7	19 July 10 02:00	Capping stack connector to stack gasket	Leak, hydrate formation	Hydrate monitoring	Monitor for increase in bubble flowrate.	Minor leak at metal to metal gasket. Overall stack integrity acceptable for short term .	Capping stack and associated hardware was hydrostatically tested to over 11,000psi , build up of gas inside stack likely producing leak at metal to metal seal.
8	20 July 10	Horizon BOP annular preventer	Leak from flange, hydrate formation	Hydrate monitoring	Monitor for increase in bubble flowrate.	Minor leak at metal to metal gasket. Overall stack integrity acceptable for short term .	Possibly due to gas build up in stack.
9	21 July 10	BOP and Capping Stack	Marked decrease in bubble count between 2030 and 2230hrs	None.	Continue monitoring.	Normal variability.	
10	21 July 10	BOP and Capping Stack	Bubble count returned to earlier higher values at 0830.	None.	Continue monitoring.	Normal variability.	

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BP-HZN-2179MDL01597171

BPD187-083620

TREX 006307.0021

TREX-006307.0021

Geco Topaz Acquisition to 25th July 09.00									
Attempt	DATE	LINE NAME	Version	Acquisition	QC Stack	Full Processing	Workstation Upload	Interpretation	
								BP	Govt.
1	13th JULY,2010	1	1	Completed	yes	yes	yes	No change to 3D	Agree with BP (USGS/BOEM)
2	16th JULY,2010	1A	2	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
3	17th JULY,2010	1B	3	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
4	17th JULY,2010	2	n/a	Aborted	n/a	n/a	n/a	n/a	n/a
5	17th JULY,2010	1C	n/a	Aborted	n/a	n/a	n/a	n/a	n/a
6	17th JULY,2010	2B	n/a	Aborted	n/a	n/a	n/a	n/a	n/a
7	18th JULY,2010	1D	4	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
8	18th JULY,2010	2C	1	Completed	yes	yes	yes	No change to 3D	Compared to 3D no change
9	18th JULY,2010	1E	5	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
10	18th JULY,2010	2D	2	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
11	19th JULY,2010	1F	6	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
12	19th JULY,2010	2E	3	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
13	20th JULY,2010	2F	4	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
14	20th JULY,2010	1G	7	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
15	21st JULY,2010	2G	5	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
16	21st JULY,2010	1H	8	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
17	21st JULY,2010	3	1	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
18	22nd JULY,2010	2H	6	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
19	22nd JULY,2010	1I	9	Completed	yes	yes	yes	No change	Agree with BP (USGS/BOEM)
20	25th July, 2010	5	1	Completed	yes	awaited	awaited	awaited	awaited

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BP-HZN-2179MDL01597172

BPD187-083621

TREX 006307.0022

TREX-006307.0022

Nikola Acquisition to 25th July 09.00									
Attempt #	DATE	LINE NAME	Version #	Acquisition	QC Stack	Full Processing	Workstation Upload	Interpretation	
								BP	Govt.
1	22nd JULY 2010	4	1	Completed with issues	n/a	Abandoned	no	Data unusable	n/a

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BP-HZN-2179MDL01597173

BPD187-083622

TREX 006307.0023

TREX-006307.0023