

# JOINT INVESTIGATION REPORT

INCIDENT NO: 1654263 JIV report S/N:

Nº 0000161

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties)

## A. GENERAL INFORMATION:

1. Spill incident Number: 1654263 2. Type of incident\* OIL SPILL AND FIRE  
3. Name of Location MININTIA WELL 003 L AND WELL 003 S COM-UNIT.  
4. Name of nearest community ELELE ALIMINI 5. State: RIVERS 6. LGA EMOHUA  
7. Type of Production facility/Installation COM-UNIT  
8. Asset owner/District SPDC / LAND 2

## B. INCIDENT INFORMATION:

9. Details of incident  
a. Date of incident: 14<sup>TH</sup> JUNE, 2016  
b. Start date/time of investigation: 24<sup>TH</sup> JUNE, 2016 / 11:30 AM  
c. Investigation End date: 24<sup>TH</sup> JUNE, 2016 Actual investigation duration, days: ONE (1) DAY.  
d. Description of spill point environment

- |  |                                     |  |
|--|-------------------------------------|--|
| <input checked="" type="checkbox"/> Firm soil    | <input type="checkbox"/> Loose soil | <input type="checkbox"/> Recently excavated area |
| <input type="checkbox"/> Under water             | <input type="checkbox"/> Swampy     | <input type="checkbox"/> Exposed pipe surface    |
| <input type="checkbox"/> Well Platform (on Water | <input type="checkbox"/> Drill Rig  |  |

Additional observations around the spill point:

THE COM-UNIT WAS OBSERVED BURNED BY UNKNOWN PERSON(S) AS EVIDENCED BY A BURNED TYRE LEFT ON SITE BENEATH THE COM-UNIT.

e. Description of leak point (tick as applicable):

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Drilled hole                               | <input type="checkbox"/> Hack saw cut         | <input type="checkbox"/> Tear (  |
| <input type="checkbox"/> Complete Rupture                           | <input type="checkbox"/> Inward dent,         | <input type="checkbox"/> Well head tampering                               |
| <input type="checkbox"/> Failed Weld-on illegal hot tap valve       | <input type="checkbox"/> Failed Clamp,        | <input type="checkbox"/> Missing Pipeline/Flowline                         |
| <input type="checkbox"/> Crude oil theft (illegal bunkering) point, | <input type="checkbox"/> Saver-pit over flow  | <input type="checkbox"/> Third party tampering with Clamp                  |
| <input type="checkbox"/> Third party tampering with valve setting   | <input type="checkbox"/> Bulging Outward      | <input type="checkbox"/> Third party tampering with flange,                |
| <input type="checkbox"/> Flare System/Bund wall failure             | <input type="checkbox"/> Cold vent            | <input type="checkbox"/> Surge vessel overflow,                            |
| <input type="checkbox"/> Valve Failure                              | <input type="checkbox"/> Relief valve failure | <input type="checkbox"/> Accidental 3 <sup>rd</sup> party equipment impact |

Others (specify) COM-UNIT STAINLESS TUBE CUT BY UNKNOWN PERSON(S).

f. Incident caused by:

- Third party interference (Sabotage ; crude theft ; Line theft ; Accidental 3<sup>rd</sup> party damage   
 Operational  Others (including Mystery spills) \_\_\_\_\_

\*This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire,

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g. Spill point coordinates

h. Measuring unit

WAS 84

Northing: LATITUDE	Easting: LONGITUDE
5.08122	6.70794
<del> </del>	<del> </del>
<del> </del>	<del> </del>
<del> </del>	<del> </del>

## C. RISK ASSESSMENT

10. Type of environment:

- Land
  Swamp
  Water
  Seasonal swamp
  Shoreline/Waterfront

i. Type of environment to which oil has spread:

- Land
  Swamp
  Water
  River (identify) \_\_\_\_\_

ii. Weather condition

- Rain
  Sunny
  Dry
  Wet
  Windy
  Hot
  Cool

11. Distance from the nearest sensitive habitat

- Government reserved and designated protected area [        .m]  
 Drinking water source [        .m]  
 Built up area [        .m]  
 Farmlands NONE SEEN [        .m]  
 Fish Farm/Pond WITHIN VICINITY [        .m]  
 Fishing net [        .m]  
 Others (specify).

12. Containment measures put in place;

- Booms
  Trench
  Dyke
  Natural depression
  Pit
  None
- Others: \_\_\_\_\_

13. Any pictures or video coverage?

[ X ] [ N ]

14. Further response/repair initiated as at the time of JIV?

[ Y ] [ X ]

If yes to item 14, give brief description:

REPAIR WORK PLANNED.

15. Was there any disruption to the investigation?

[ Y ] [ X ]

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If yes to item 15 give brief description:

NOT APPLICABLE

**D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL**

**16. Structures / Properties**

S/N	Type of Structures	Description	Size	Number	Comments
	NONE WITHIN AREA OF IMPACT				

**17. Crops/Economic Trees**

S/N	Type of crops	Young	Medium	Matured	Quantity	Comments
	NONE WITHIN AREA OF IMPACT					

**18. Fishing Nets/Fish Ponds**

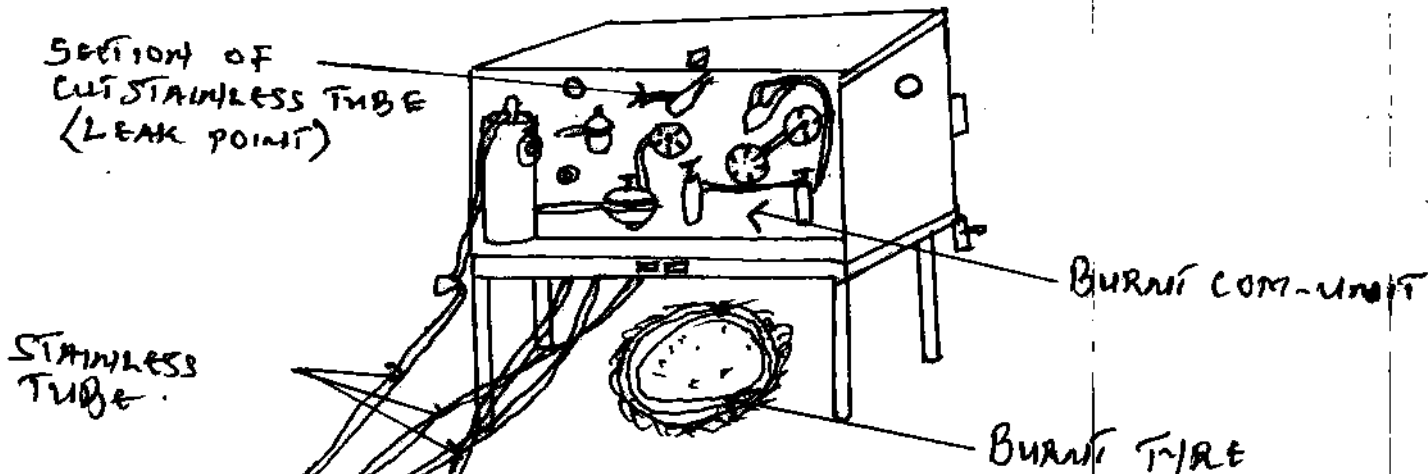
S/N	Nets/Ponds	Description	Quantity/Size	Comments
	NONE WITHIN AREA OF IMPACT			

**19. Others (Specify) i.e. Animal Traps**

S/N	Others	Description	Quantity/Size	Comments
	NONE WITHIN AREA OF IMPACT.			

**E. GRAPHIC DESCRIPTION OF LEAK POINT** (while detail report of the leak point should be contained in the leak report, overview sketch of the site should be added as an appendix 1)

SECTION OF BURNI MININTA WELL 003L AND WELL 003S COM-UNIT AT ELELE ALIMINI





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**G. INCIDENT INFORMATION:**

**a. Impacted Area Details**

- Total calculated area of impact 0.016 Ha
- Impact within R.O.W YES
- Impact outside R.O.W NO

**b. Volume of oil recovered before completion of JIV ( $V_{rec.}$ ):**

Recovered oil $V_{rec.}$ :	Barrels
<u>NIL</u>	

Controlled recovery/evacuation from source with no impact to environment:

<u>NIL</u>	Barrels
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**c. Net Estimated Spilled Volume  $V_{Est}$  (bbbls)\* =**

0.62 BARREL

**Estimated Reported Volume\*\*  $V_{rep}$  (bbbls) =**

0.7 BARREL

**\*Notes:**

- Volume estimation was done using an excel based tool (see attached for details on the calculation)
- Reported spilled volume is an estimate

Write other relevant notes taken into consideration for estimating the spilled in the box below:

Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimation software on site; Conversion of  $m^3$  to barrels is Volume ( $m^3$ ) x 6.29; \*\*Round up estimated volume to next whole number using the following rules:

- Any spill volume in excess of 1 bbl is rounded up to the next whole number.
- Any spill volume in less than 1 bbl is rounded up to the next 0.1 bbl.

Examples:      Calculated volume = 15.3 bbl      ----- Reported volume = 16 bbl  
                     Calculated volume = 0.35 bbl      ----- Reported volume = 0.4 bbl  
                     Calculated volume = 0.01 bbl      ----- Reported volume = 0.1 bbl

Wherever this estimation tool is not applicable please refer to paragraph 6c (Deviations) of the JIV procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and attach to the JIV report.

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## d. General Status of the site

- |  |
|--|
| i. Joint investigation of the incident site found that there is no residual impact after the initial response and JIT therefore recommend that the site be closed out <input type="checkbox"/> |
| ii. Investigation of the incident site showed that there is residual impact on site requiring further works <input checked="" type="checkbox"/>  |

## e. Representatives

This report was filled, agreed and signed by the following joint investigation team representatives:

- Host Community:
- Department of Petroleum Resources [DPR]:
- National Oil Spill Detection and Response Agency [NOSDRA]:
- State Ministry of Environment [SME]:
- Asset Owner:
- Signatories agree with reported findings:
- Separate DPR form has been filled out with same findings:

*tick us applicable*

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f. Appendix 1: Overview sketch of the site

Location: MINIMIA Well 003L AND 003S COM-UNIT AT ELELE ALIMINIA

