INCIDENT NO: 1501273 JIV report S/N: Nº 5000393

(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: 150 12 72 2.Type of incident\* Of L 3. Name of Location 16" TUNY - BRASS CREEK PIPELINE 4. Name of nearest community AGBIDIAMA 5. State: BAYFLOA 6. LGA EKEREMOR 7. Type of Production facility/Installation OlL 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY NIGERIA LIMITED B. INCIDENT INFORMATION: 9. Details of incident 7TH OCTOBER, 2015 b. Start date/time of investigation: 21<sup>ST</sup> NOVEMBER, 2015 AT 1243 HRS
c. Investigation End date: 21<sup>ST</sup> NOVEMBER, 2015 AT 1243 HRS d. Description of spill point environment Recently excavated area Loose soil ☐ Firm soil Swampy Exposed pipe surface ☐Under water DrillRig ☐Well Platform (on Water Additional observations around the spill point: ON EXCAUATION, THE JOINT INVESTIGATION TEAM SAW A 4" VALUE ILLEGARLY ATTACHED TO THE 16" TUNU-BRASS CREEK PIPELINE AT 12 O'CLOCK POSITION. THE LEAK HAS STOPPED AT THE SPILL POINT AS AT THE TIME JIT GOT TO SITE. e. Description of leak point (tick as applicable); ☐ Tear ( ☐ Hack saw cut Drilled hole ☐ Well head tampering ☐ Inward dent, Complete Rupture ☐ Missing Pipeline/Flowline Failed Clamp, Failed Weld-on illegal hot tap valve ☐ Third party tampering with Clamp ☑Crude oil theft (illegal bunkering) point, ☐ Saver-pit over flow ☐ Third party tampering with flange, ☐ Bulging Outward ☐ Third party tampering with valve setting Cold vent ☐ Surge vessel overflow, ☐Flare System/Bund wall failure Accidental 3<sup>rd</sup> party equipment impact ☐ Relief valve failure ☐ Valve Failure Others(specify)\_ f. Incident caused by: ☐ Third party interference (Sabotage☐;crude theft☐; Line theft☐; Accidental 3rd party damage☐)

Others (including Mystery spills)

☐ Operational

<sup>\*</sup>This can be; a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction c) Encroachment f) Fire.

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15. Was there any disruption to the investigation?

NY

[Y]

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F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION

20	. Impacted area boundary Coordinates (If mo	ore, Print and attach as an appendix) (DECIMAL — DEGRÉE)
S/N	Northing	Easting
	4.90419	5.61486
	4.904-06	5.61483
	4.90394	5.61483
	4.90394	5.61469
	4.90403	5. 61472
_	4.90408	5.61467
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INF	ORM	۸T	'ION:
	INF	INFORM	INFORMAT

a. Impacted Area Details	
<ul> <li>Total calculated area of impact</li> <li>Impact within R.O.W</li> <li>Impact outside R.O.W</li> </ul>	_ <del>_</del> -
b. Volume of all recovered before completion of JIV (V <sub>recl</sub> ):	<del>_</del>
Recovered oil Vreed: NIL	Barrels
Controlled recovery/evacuation from source with no impact to environment:	
c. Net Estimated Spilled VolumeV <sub>Est</sub> (bbls)* =	
1.65 BBLS	
Estimated Reported Volume** V <sub>rep</sub> (hhls)=	<u> </u>

\*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:

NOT APPLICABLE

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  $m^t$  to barrels is Volume  $(m3) \times 6.29$ : \*\*Round up estimated volume to next whole number using the following rules:

- Any spill volume in excess of I bbl is rounded up to the next whole number.
- Any spill volume in less than I 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 be (Deviations) of the AV procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and attack to the AIV report.

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#### d. General Status of the site

í,	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	

ii. Investigation of the incident site showed that there is residual impact on site requiring further works .

### e. Representatives

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

- Host Community: D
- 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 as applicable

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f. Appendix 1: Overview sketch of the site

Location	1:16" 7	UNU-B	RASS CREEK PI	PELINE AT AG	BIDIAMA
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