INCIDENT NO: 1517851 JIV report S/N:

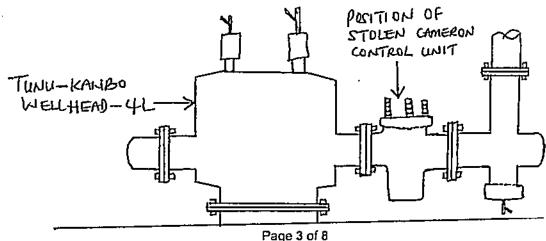
(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1. Spill incident Number: 1517851 2. Type of incident* OIL SPILL 3. Name of Location TUNU - KANBO WELL-4L WELLHEAD 4. Name of nearest community AGBIDIAMA 5. State: BATELSA 6. LGA EKEREMOR 7. Type of Production facility/Installation WELL HEAD 8. Assel owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF B. INCIDENT INFORMATION: NIGERIA LIMITED/SWAMP WEST B. INCIDENT INFORMATION: 9. Details of incident Details of incident 31ST OCTOBER, 2015 b. Start date/time of investigation: 215T NOVEMBER, 2015 AT 0904HRS c. Investigation End date: 215T NOVEMBER QDISTORATION duration, days: ONE DAY d. Description of spill point environment Loose soil Recently excavated area ☐ Firm soil **⊠**Swampy ☐ Under water Exposed pipe surface Well Platform (on Water DrillRig Additional observations around the spill point: DN ARRIVAL AT SITE, THE JOINT INVESTIGATION TEAM OBSERVED THAT THE CAMERON CONTROL UNIT (CCU) ON TUNU-KANBO WELL HEAD-4L HAS BEEN REMOVED BY UNKNOWN DERSONS. e. Description of leak point (tick as applicable); Tear (Hack saw cut ☐ Drilled hole Well head tampering ☐ Inward dent, Complete Rupture ☐ Failed Clamp. Missing Pipeline/Flowline ☐ Failed Weld-on illegal hot tap valve ☐ Third party tampering with Clamp ☐ Saver-pit over flow ☐Crude oil theft (illegal bunkering) point, ☐ Third party tampering with flange, ☐ Bulging Outward Third party tampering with valve setting ☐Cold vent ☐ Surge vessel overflow, ☐Flare System/Bund wall failure Relief valve failure Accidental 3rd party equipment impact ☐ Valve Failure Mothers(specify) THEFT. OF CAMERON CONTROL UNIT (CCU) f. Incident caused by: ☐Third party interference (Sabotage ☐:crude theft ☐: Line theft ☐: Accidental 3^{nt} party damage ☐) Others (including Mystery spills) ☐ Operational

^{*}This can be; a) Oil Spill b) Drilling fluid Chemical c) Siltation d) construction e) Encroachment f) Fire.

INCIDENT NO: 1517851 JIV report S/N:

g. Spill point coordinates (DECIMAL h. Measuring unit Easting: Northing: C. RISK ASSESSMENT 10. Type of environment: ☐Shoreline/Waterfront **⊠**Swamp □Water Seasonal swamp Land Type of environment to which oil has spread: i. Swamp River (identify) □ Water Land Weather condition ií. □Wet □Windy Hot Sunny Dry □Rain 11. Distance from the nearest sensitive habitat Government reserved and designated protected area Drinking water source Built up area Farmlands ☐ Fish Farm/Pond Fishing net □ Others (specify). 12. Containment measures put in place: None □Pit Booms Dyke ☐ Natural depression Trench Others: 13. Any pictures or video coverage? 14. Further response/repair initiated as at the time of JIV? If yes to item 14, give brief description: 1/4/1 [Y] 15. Was there any disruption to the investigation?

INCIDENT NO: 151785 JIV report S/N: Nº 0000395 If yes to item 15 give brief description: 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 17. Crops/Economic Trees S/N Type of crops Young Medium Matured Quantity Comments 18. Fishing Nets/Fish Ponds S/N Nets/Ponds Description Quantity/Size Comments 19. Others (Specify) i.e. Animal Traps S/N Others Description Quantity/Size Comments 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 TUNU-KANGO WELL HEAD-4L AT AGGIDIAMA AYIS SHOWING: DASITION OF STOLEN CAMERON CONTROL UNIT (CCU POSITION OF STOLEN CAMERON CONTROL UNIT



INCIDENT NO: 1517851 JIV report S/N: Nº 0009395

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

S/N	Northing	nore, Print and attach as an appendix) (LOECIMAL - DEGREE) Easting
	Nothing	
	4.88481	5.66331
	4.88472	5.66331
	4.88472	5 - 66 333
	4.88483	5,66333
	4.88483	5.66328
		,
		
		
		 /
		
		/
		ļ <i>_/</i>
		· · · · · · · · · · · · · · · · · · ·
		. ,
	 /	

INCIDENT NO: 1517851 JIV report S/N: Nº 2000395

 d. General Status of the si

i.	Joint investigation of the incident site found that there is no residual impact after the initial response a therefore recommend that the site be closed out	Ind JIT
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	- Q

e. Representatives

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

- Host Community: ☑
- Department of Petroleum Resources [DPR]: □
- 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

Nº 9000395

INCIDENT NO: 1517-851 JIV report S/N:

a. Impacted Area Details	
• Total calculated area of impact 70	m ²
• Impact within R.O.W YES	
Impact outside R.O.W NO	
b. Volume of oil recovered before completion of JIV (V	T
Recovered oil V _{reef} : Controlled recovery/evacuation from source with no impact	NIL Barrels
NIL Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bhls)* =	
0.0	41 BBL
Estimated Reported Volume** V _{rep} (bbls)= 0.5 B	3BL
Notes: Volume estimation was done using an excel based tool, (see attached for de	
 Reported spilled volume is an estimate Write other relevant notes taken into consideration for estimating the spilled in a 	

Conversion of m' to barrels is Volume (m3) 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.

Calculated volume = 15.3 bbt ------ Reported volume = 16 bbt ------ Reported volume = 0.35 bbt ------ Reported volume = 0.4 bbt Examples:

Calculated volume * 0.01 bld Reported volume = 0.1 bbl

Wherever this estimation tool is not applicable please refer to paragraph be (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.

INCIDENT NO: 1517851 JIV report S/N: Nº 1890395

f. Appendix 1: Overview sketch of the site

