INCIDENT NO: 1505601 JIV report S/N:

Nº 5000385

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 2.Type of incident\* 01 L. Spill incident Number: 4. Name of nearest community UGBOECHUNGUNS. State: DELTA 6. LGA WARRI SOUTH-WEST 7. Type of Production facility/Installation OIL 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY B. INCIDENT INFORMATION: NIGERIA LIMITED/PIPELINE LTH OCTOBER, 2015 9. Details of incident a. Date of incident: 4 b. Start date/time of investigation: 29TH OCTOBER, 2015 AT 1412HRS
c. Investigation End date: 29TH OCTOBER, 2012 Education duration, days: ONE DAY d. Description of spill point environment Recently excavated area Loose soil Firm soil Swampy □Under water DrillRig □Well Platform (on Water Additional observations around the spill point: ON EXCAVATION, THE JOINT INVESTIGATION TEAM OBSERVED A 3" VALVE ILLEGALLY ATTACHED TO THE 20" OTUMARA-ESCRAVOS PIPELINE AT 12 0'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 ☐ Inward dent. ☐ Well head tampering ☐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, ☐ Bulging Outward ☐ Third party tampering with flange, ☐ Third party tampering with valve setting ☐ Surge vessel overflow, ☐Cold vent ☐Flare System/Bund wall failure Accidental 3rd party equipment impact Relief valve failure ☐ Valve Failure ☐Others(specify)\_ f. Incident caused by: ☐ Third party interference (Sabotage ☐; crude the ft ☐; Line the ft ☐; 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 e) Encroachment f) Fire.

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g. Spill point coordinates (THEFT POINT  h. Measuring unit W  Northing:	GS 84 Easting:
05.63023	005.16053
[ai	[ali
C. RISK ASSESSMENT  10. Type of environment:	
□Land ☑Swamp □Water	☐Scasonal 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	
<ul> <li>□ Government reserved and designated protected are</li> <li>□ Drinking water source</li> <li>□ Built up area</li> <li>□ Farmlands</li> <li>□ Fish Farm/Pond</li> <li>□ Fishing net</li> <li>□ Others (specify).</li> </ul>	1 ,m] NONE WITHAN [ ,m] NONE WITHAN [ ,m] THE VICINITY
12. Containment measures put in place;	•
□Booms □Trench □Dyke	□Natural depression □Pit □None
Others:	
13. Any pictures or video coverage?	
14. Further response/repair initiated as at the time of JIV?	(Y) (W)
If yes to item 14, give brief description: NOT AP	PLICABLE
15 Westhan and dispution to the investigation's	

	INCIDE	NT NO: 15	0560	JIV re	oort S/N: N	º 0000385	
f yes to	item 15 give brief	description:	OT A	PPLICE	ABLE_		
16.	PE/NUMBERS O Structures / Property Type of Structure			Number	AREA OF SPRE	· · ·	
17.	Crops/Economic	Trees	N A1	EA C	FIMPA	rC7	
		Young	Medium A	Matured (	Quantity	Comments	
	Fishing Nets/Fish	Ponds Description	Pr ( A	Quantity/Size	Comments	CT	
	Others (Specify) Others	i.e. Animal Traps  Description		Quantity/Size	Comments		
E. GRA	HONE APHIC DESCRI	TION OF LEAK I	OINT (while a	EA Of	e leak point should	l be contained in	
8" v	-	Reich of the site show FACLY ATTACHE POSITION		n appenaix 1)			
					12"		
ı _	() F	eom otuma	RA TO	ESCRAVO	<u> </u>		- s
	20"07	IMARA —ESCR	AVOS PIP	ELINE AT	UGBOEGU	uGUN	

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

20. Impacted area boundary Coordinate	s (If more, Print and attach as an appendix)
---------------------------------------	--

	Easting
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05.63029	005.16048
05.63026	005.160 45
05.63020	005.16048 005.16045 005.16050
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	/
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	Northing  05.63024  05.63029  05.63026  05.63020

A comment

Nº 9000385

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G. INCIDENT INFORMATION:
a. Impacted Area Details
Total calculated area of impact    O O O S HA
Impact outside R.O.W  ND
b. Volume of oil recovered before completion of JIV (V <sub>recJ</sub> ):  Recovered oil V <sub>recJ</sub> : Barrels
Controlled recovery/evacuation from source with no impact to environment:    NIL   Barrels
c. Net Estimated Spilled VolumeV <sub>Est</sub> (bbls)* =
0.27 BBL
Estimated Reported Volume** V <sub>rep</sub> (bbls)= 0.3 BBL
*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' to barrels is Volume (m3) x 6.29; \*\*Round up estimated volume to next whole manther 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 I bbl is rounded up to the next 0.1 bbl.

Examples: Calculated volume = 15,3 bbt ------ Reported volume = 16 bbt Calculated volume = 0,35 bbt ------ Reported volume = 0,4 bbt Calculated volume = 0,01 bbt ------ Reported volume = 0,1 bbt

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 attach to the AV report.

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El Commence

d.	General	Status	of the	site
•	~ cuci #1	Otatus.	OF CHIC	3116

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

Ø.

#### 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 as applicable

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f. Appendix 1: Overview sketch of the site

LOCATION 20" OTUMARA - ESCRAVOS PIPELINE AT UGBOECTUNGUN				
& 36		20" OTUMARA - ESTRAVOS PIPELINE	) <del>)</del>	
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