INCIDENT NO: 1539924 JIV report S/N: Nº 0000398

(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* OIL SPILL 1. Spill incident Number: 4. Name of nearest community (IGBOEGUNETUNE). State: DELTA 6. LGA WARLI SOUTH WEST 7. Type of Production facility/Installation 011 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LIMITED / PIPELINE B. INCIDENT INFORMATION: 9. Details of incident
a. Date of incident: 8TH DECEMBER, 2015 b. Start date/time of investigation: 12TH DECEMBER, 2015 AT 1435 HRS c. Investigation End date: 2TH DECEMBER, 2015 Actual investigation duration, days: ONE DAY 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 EXCAVATION, THE JOINT INVESTIGATION TEAM SAW A 2" HOT-TAP VALUE ILLEGALLY ATTACHED TO THE 20"
OTUMARA-ESCRAVOS PIPELINE AT 12 D'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 ☐ Saver-pit over flow ☑Crude oil theft (illegal bunkering) point, ☐ Third party tampering with flange, ☐ Bulging Outward ☐ 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 theft☐; Line theft☐; Accidental 3rd party damage☐) Others (including Mystery spills)_____ Operational

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

INCIDENT NO: 1539924 JIV report S/N: No 0000398 POINT) g. Spill point coordinates h. Measuring unit Northing: C. RISK ASSESSMENT 10. Type of environment: Swamp ☐Shoreline/Waterfront □ Water ☐Seasonal swamp Land Type of environment to which oil has spread: Swamp □ Water River (identify)_ Land Weather condition ii. □Wet ☐ Windy □Hot □cool □ Dry □Rain ☑ Sunny 11. Distance from the nearest sensitive habitat Government reserved and designated protected area Drinking water source NONE WITHW □ Built up area □ Farmlands THE VICINITY ☐ Fish Farm/Pond Fishing net Others (specify). 12. Containment measures put in place; □None Booms Dyke □Natural depression □Pit 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: NY [Y] 15. Was there any disruption to the investigation?

INCIDENT NO: 1539924 JIV report S/N: Nº 0000398 NOT APPLICABLE If yes to item 15 give brief description: D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 16. Structures / Properties Number Comments Description Size S/N Type of Structures 17. Crops/Economic Trees Matured Quantity Comments S/N Type of crops Medium Young MANGRBUES 7 ES OIL STAINE 18. Fishing Nets/Fish Ponds Quantity/Size Comments Description S/N | Nets/Ponds 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) 2" HOT-TAP VALVE ILLEGALLY ATTACHED AT 12,0° CLOCK MOITIZES FROM OTUMARA TO ESCRAVOS

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20" OTUMARA-ESCRAVOS PIPELINE AT UGBOEGUNGUN

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

/N	Northing	ordinates (If more, Print and attach as an appending Easting	
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Nº 0000398

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	RMATION:			
a. Impacted Area	ı Details			
• Total	calculated area of i	impact 1.05 HA		_
• Impa	t within R.O.W	くほ		
• Impa	t outside R.O.W	45		
b. Volume of oil	recovered before	completion of JIV (Vreed):		
		Recovered oil V _{recJ} :	1114	Barrels
Controlled recove	ry/evacuation fro	om source with no impact to e	environment:	
		[] Barrels		
	<u> </u>			
				·,
c. Net Estimated	Spilled Volume	$V_{EM}(bbls)^* =$		
		0 0 0	67 00	, _
		730	. 67 BB	に ?、
stimated Reported V	olume** Vrep(bbls	E O O A D WI		
		= 231 BBL	2.	
Votes:			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sec.
		el based wol.tsee anached for details on	the calculation	
	dume is an estimate es taken into considerat	tion for estimating the spilled in the hox	below:	
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- 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.

Calculated volume = 15.3 bbl ------ Reported volume = 16 bbl ------ Reported volume = 0.4 bbl ------ Reported volume = 0.4 bbl ------ Reported volume = 0.4 bbl Examples:

Wherever this estimation tool is not applicable please refer to paragraph be (Devlations) 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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d	General	Status	of the	site
u.	OCHCLAI	อเสเนร	OI THE	3110

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	N/

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]:

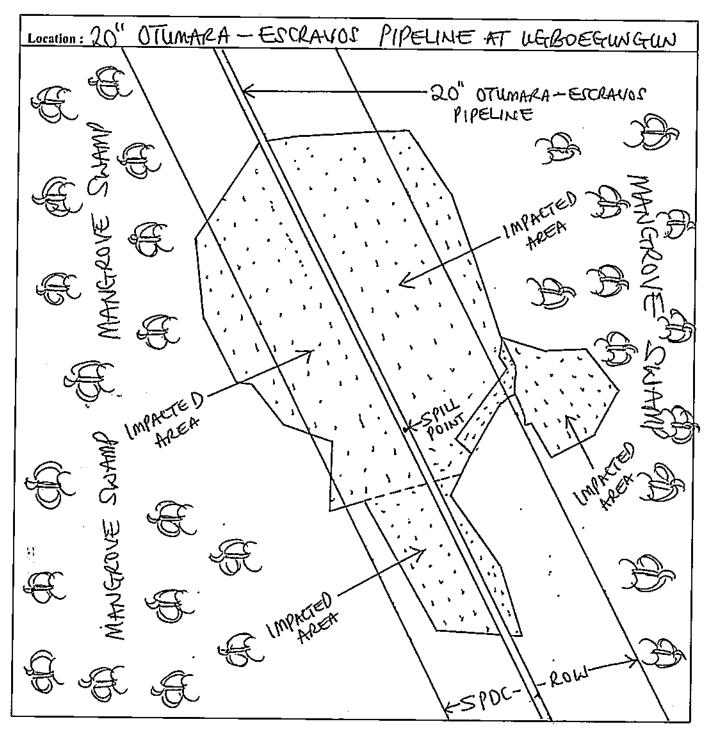
 □
- State Ministry of Environment [SME]:
- Asset Owner:

 ✓
- 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



APPENDIX-1

PTS	Х	Υ	
173	SP	5.16052	5.63025
	15	5.16057	5.63019
	16	5.16065	5.63013
	18	5.16083	5.62995
	19	5.16098	5.62973
	20	5.16056	5.63032
	21	5.16057	5.63046
	22	5.1606	5.63048
	23	5.16056	5.63054
	24	5.16059	5.63056
	25	5.16065	5.63047
	26	5.16075	5.63039
	27	5.1609	5.63038
	28	5.16052	5.63049
	29	5.16046	5.63058
	30	5.16037	5.63067
	31	5.16033	5.63071
	33	5.16045	5.63024
	34	5.1605	5.63018
	35	5.16057	5.63009
	36	5.16085	5.62975
	37	5.1604	5.63019
	38	5.16028	5.63045
	39	5.16014	5.6305
	40	5.15996	5.63063
	41	5.15987	5.63064
	42	5.15973	5.63079
	43	5.15962	5.6309
	310	5.16026	5.63082
	270	5.161	5.63058
	250	5.16093	5.63082
	311	5.16041	5.63082
	312	5.16036	5.63073
	430	5.15939	5.63129
	290	5.16048	5.63061
	251	5.16064	5.63087
	420	5.16007	5.63106
	431	5.1599	5.63129
	432	5.15967	5.63151
	433	5.15944	5.63154