INCIDENT NO: 2889953 JIV report S/N:0000799

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

A. GENERAL INFORMATION:	
1. Fountain Incident Number: 288995	2. Type of incident* OIL SPILL
3. Name of Location 20" RUMUEKPE - N	KPOKU TRUNKLINE (PIPELINE)
3. Name of Location 20" RUMUEKPE - N 4. Name of nearest community 5. S	tate: RIVERS 6. LGA IKWERRE
7. Production Facility/Installation PIPELIN	
8. Asset Owner/Hub IHE SHELL PETROLET	
B. INCIDENT INFORMATION:	SPDC)/PIPELINE
9. Details of incident a. Date Reported: 171H MARCH, 2021 b. Start date/time of Investigation: 191H MARCH,	2021. 1210HRS
c. Investigation End date: 1914 MARCH, 2	Day(s) on site: ONE (U) DAY
d. Description of spill point environment	
☐Firm soil ☐Loose soil ☐	Recently excavated area
Under water Swampy	Exposed pipe surface
☐ Well Platform (on water) ☐ Drill Rig	□Sand bag(s)
Additional observations around the spill point:	
	Rough-edge hole Hack saw cut
	Inward dent,
	Failed Clamp, Missing Pipeline/Flowline Saver-pit over flow Third party tampering with Clamp
	Bulging Outward Third party tampering with flange,
The state of the s	Cold vent Surge vessel overflow,
	Relief valve failure
☐ Tear () ☐Others (specify)	The second secon
f. Incident caused by: ☐ Third party interference (Sabotage ☐; crude theft)	Line theft □: Accidental 3 rd party damage □)
	ery spills)

*This can be: (a) Oil Spill (b) Drilling fluid/Chemical (c) Siltation (d) Water Leak (e) Fire (f) Non-leaking theft point removal Version 2020/01 Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment); Blue (Host Community)

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A. 93910 RISK ASSESSMENT 10. Details of Environment i. Type of environment where spill occurred (select of the select of the	6.95 /	FITUDE 507
10. Details of Environmenti. Type of environment where spill occurred (select of the control o		
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i. Type of environment where spill occurred (select o		
	_	
Land Swamp Water	Seasonal swamp	☐Shoreline/Waterfront
ii. Type of environment to which oil has spread:		
Swamp Waterbody (speci	ify)	·
iii. Weather condition		
□Dry □Wet □Windy □	□Hot	
11. Distance to Sensitive habitat within 100m radius		
☐ Government reserved and designated protected area ☐ Drinking water source ☐ Surface water ☐ Borehole	[N(L ,m] [NIL ,m]	
☐ Built up Area ☐ Commercial/Industrial Area ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	[20 ,m]	
☐ Farmlands	[20 ,m]	
☐ Fish Farm/Pond ☐ Fishing net	[NIL ,m] [NIL ,m]	
Others (specify)	[,m]	
2. Containment measures put in place:		
☐Booms ☐Trench ☐ Dyke ☐ Pit ☐Natural dep	oression Mone	
Others:		
3. Any pictures or video coverage?	[N]	
4. Further response/repair initiated as at the time of JIV?	[N]	
to item 14, give brief description: PAIR 13Y CLAMPING ONGOIN		

INCIDENT NO: 2889953 JIV report S/N: 3000799 15. Was there any disruption to the investigation? [Y]If yes to item 15 give brief description: 16. Was JIV delayed? [Y] NOT APPLICABLE ☐ Delayed Community Access Approval ☐ Security Challenges ☐ Access constraint due to terrain Others (specify) D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 17. Structures / Properties Type of Structures Description Size Number Comments 18. Crops/Economic Trees S/N Type of crops Young Medium Matured Quantity Comments 19. Fish/Nets/Ponds S/N Fish/Nets/Ponds Description Quantity/Size | Comments 20. Others (Specify) e.g. Animal Traps S/N Others Description Quantity/Size | Comments E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak point should be contained in the leak report, overview sketch of the site should be added as appendix 1) A SECTION 20" RUMBERPE NKPOKU TRUNKLING (PIPELING) AT MBODO-ALUU SHOWING A 2" ILLEGAL CONNECTION INSTALLED AT 12 0"CLO POSITION BY WIKHOUM PERSON(S) 2" ILLEGAL CONNECTION (CRUDE THEFT POINT)

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Blue (Host Community)

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

21. Impacted area boundary Coordinates (If more, Print and attach as Appendix) WGS 84

,		T80PM
S/N	Northing LATTUDE	Easting LONGITUDE
281	4.93909	6.55511
282	4.9391	6.95503
283	4. 93913	6.95506
284	4.93911	6.95511
		196 12 75 7
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Impacted Area Details *	
 Total calculated area of impact (Ha) 6.002169t 	19
Impact within SPDC R.O.W	
Impact outside SPDC R.O.W	
and off to 2 decimal places if area is $\geq 100 \text{ m}^2$ or to 4 decimal places if area is $< 100 \text{ m}^2$ (e.gress in Hectares (Ha)	g. 14.55, 0.0051, 0.0009)
Volume of oil recovered before completion of JIV (VrecJ): Recovered oil VrecJ:	Barrels
Controlled recovery/evacuation from source with no impact to environmen Barrels	t:
Net Estimated Spilled Volume V _{Est} (bbls)* = 1.49 BARR mated Reported Volume** V _{ren} (bbls)= 0.4 × 0.0 = 1.6	ول
imated Reported Volume** Vrep(bbls)= 2 BARREUS	
imated Reported Volume** Vrep(bbls)= 2 BARREUS Volume estimation was done using an excel based tool (see attached for details on the calculation Reported spilled volume is an estimate	
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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 1 bbl is rounded up to the next 0.1 bbl.

Calculated volume = 15.3 bbl ----- Reported volume = 16 bbl Examples: 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 column estimation; record the calculation in a plain sheet of paper and attach to the JIV report.

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- 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

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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]:
- The Shell Petroleum Development Company [SPDC]: ☑
- Separate DPR form has been filled out with same findings
- Separate NOSDRA form has been filled out with same findings
- Separate SME form has been filled out with same findings

Tick as applicable

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f. Appendix 1: Overview sketch of the site

