INCIDENT NO: 2972655 JIV report S/N:0000789

(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: 2972651	2. Type of incid	dent* OIL SPILL
3. Name of Location 20" KOLO CREE	K- RumuEKP	E PIPELINE
4. Name of nearest community ODAU	5. State: RWERS	6. LGA ABUA /OBUAL
7. Production Facility/Installation OIL Pre-	ELINE	
8. Asset Owner/Hub THE SHELL F NIGERIA LIMITA B. INCIDENT INFORMATION:	ETROLEUM DE ED (SPDC) / PIPO	sublopment Company of Fling
9. Details of incident a. Date Reported: 17TH JUNE, 202 b. Start date/time of Investigation: 19TH J c. Investigation End date: 19TH JUNE, d. Description of spill point environment Firm soil Under water Well Platform (on water) Additional observations around the spill point: REPAIRED Non-LEAKING C FOUND TAMPERED.	14NE, 2021 [113 2021 Day(s) on soil [1] py [1]	
e. Description of leak point (tick as applicable); Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point, Third party tampering with valve setting Flare System/Bund wall failure Valve Failure Tear () Others (specify)	□ Rough-edge hole □ Inward dent, □ Failed Clamp, □ Saver-pit over flow □ Bulging Outward □ Cold vent □ Relief valve failure	☐ Hack saw cut ☐ Well head tampering ☐ Missing Pipeline/Flowline ☐ Third party tampering with Clamp ☐ Third party tampering with flange, ☐ Surge vessel overflow, ☐ Accidental 3 rd party equipment impact
f. Incident caused by: ☐ Third party interference (Sabotage ☐; crude ☐ Operational ☐ Others (including M	theft □; Line theft □; Accid	

*This can be: (a) Oil Spill (b) Drilling fluid/Chemical (c) Siltation (d) Water Leak (e) Fire (f) Non-leaking theft point removal

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	Point Coordinates (*Incidents \le 100m apart to be aggregated into one Joint Investigation Report) suring unit
	Northing: Easting:
	4.928400 6.437964
	24·928410 Z
C. RISK A	ASSESSMENT
	etails of Environment
i.	Type of environment where spill occurred (select one):
20	Land Swamp Swamp Shoreline/Waterfront
ii.	Type of environment to which oil has spread:
7	✓ Land □Swamp □Waterbody (specify)
iii.	Weather condition
•	☑Dry □Wet □Windy □Hot
11. D	istance to Sensitive habitat within 100m radius
	□ Government reserved and designated protected area □ Drinking water source □ Surface water □ Borehole □ Built up Area □ Residential Area □ Commercial/Industrial Area □ Farmlands □ Fish Farm/Pond □ Fishing per
	Others (specify)
12. Co	ontainment measures put in place:
	☐ Others:
13. An	y pictures or video coverage?
	y pictures or video coverage? [V] [N] urther response/repair initiated as at the time of JIV? [N]
f yes to item	14. give brief description:
(RUS)	E OIL RECOVERY AND REPAIR ACTIVITIES ONGOWY

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15. Was there any di	isruption to the inve	estigation?	[Y]		
If yes to item 15 give brief	description:				
N	OT Af	PLICE	FBLE		
16. Was JIV delayed		1) OLL		
Reason(s): Delayed Commu Others (specify)	unity Access Approva	I Secur	ity Challenges	Access constr	raint due to terrain
D. TYPE/NUMBER17. Structures / Prop	S OF PROPERTIES erties	S, IF ANY, FO	DUND WITHIN	THE AREA OF	SPREAD OF OIL
S/N Type of Structur	es Description	Size	Number	Comn	nents
MONE W	TITIN,	AREA	OF	IMPA	CT
18. Crops/Economic T			T		
S/N Type of crops Y	oung	Medium	Matured	Quantity	Comments
19. Fish/Nets/Ponds	WITHIN	ARE	A O	M	AG
S/N Fish/Nets/Ponds	Description		Quantity/Size	Comments	
20. Others (Specify) e.	g. Animal Traps	VA	REA	Of 1	MPACT
S/N Others	Description		Quantity/Size	Comments	
MONG	With	N	AREI	1 0+	IMPACT
E. GRAPHIC DESCRIPT in the leak report, overview - Rymyekpo Pipe	sketch of the site show	uld be added a	is appendix 1) <u> </u>	26010N	OF 204 KOLOCREE EGML CONNECTED
NSTALLED AT	12 6'clo		IVON B		
	4ª ULETAN				
	T'UIKIM				



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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)

S/N	Northing	Easting
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		-

INCIDENT NUMBER - 2972655

PTS		Y(NORTHINGS)	REMARKS	
SP	6.437964	4.92840973	SPILL POINT	
	1 6.43793	4.92839803		
_	2 6.43784	4.92833107		
	3 6.437796	4.92829384		
	4 6.43803	4.92833298		
	5 6.438653	4.92840179		
	6 6.438658	4.92832305		
	7 6.439006	4.92835249		
	8 6.439134	4.92848089		
	9 6.439053	4.92856277		
2	8 6.43932	4.92862406		
2	7 6.43948	4.92863925		
2	6 6.43982	4.92871639	-	
2	5 6.440313	4.92878629		
2	6.440361	4.92871057		
2	6.44078	4.92883934		
1	.9 6.440834	4.92890526		
1	8 6.440716	4.92892245		
2	6.440924	4.92903445		
2	6.440914	4.92911584		
2	21 6.440526	4.92895386		
	17 6.440068	4.92882665	±	
	16 6.439104	4.92868352		
	15 6.439054		 	
	14 6.43894		+	
	13 6.438374		+	
	11 6.438003			
	32 6.438003			
	31 6.437942	4.92850127		

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0	INCIDENT	INFORM	ATION

G. INCIDENT INFORMATION:		
a. Impacted Area Details *		
Total calculated area of impact (Ha) 0 · 57		
Impact within SPDC R.O.W		
Impact outside SPDC R.O.W		
Round off to 2 decimal places if area is ≥ 100 m ² or to 4 decimal places if area is < 10 Express in Hectares (Ha)	10 m² (e.g. 14.55, 0.00	951, 0.0009)
b. Volume of oil recovered before completion of JIV (VrecJ):	0.0	Barrels
Recovered oil V _{recJ} : Controlled recovery/evacuation from source with no impact to envir	30	Barreis
NIL Barrels		
c. Net Estimated Spilled Volume $V_{Est}(bbls)^* = 410.25$ Estimated Reported Volume** $V_{rep}(bbls) = 4118$	PVICITI	
Estimated Reported Volume** Vrep(bbls)= 411 BARRELS		,
Notes: Volume estimation was done using an excel based tool.(see attached for details on the convergence of the second spilled volume is an estimate	alculation)	
Write other relevant notes taken into consideration for volume estimation or cause of spill:		

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^3 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.

1 bbl is rounded up to the next 0.1 bbl. Any spill volume in less than

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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d. General Status of the site

- 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

M

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]: M
- 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

