INCIDENT NO: 2974064 JIV report S/N:

0663

(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: 297406	2. Type of incid	dent* DIL SPILL
3. Name of Location OPUKUSHI W	IELL 12 115	FLOW LINE
4. Name of nearest community AGBI DIAM	A 5. State: BAYELSA	6.LGA EKEREHO
7. Production Facility/InstallationFLOW		
8. Asset Owner/Hub THE SHELL PE UIGERIA LIMITED I SWAMP B. INCIDENT INFORMATION:	TROLEUM DEU WEST	VELOPMENT COMPANY
9. Details of incident a. Date Reported: 20 TH June, 20	21	
b. Start date/time of Investigation: 2877+	JUNE, 2021 A	12:53 PM
c. Investigation End date: 28 ^{DF} June	, 2021 Day(s) or	site: ONE CI) DAY
d. Description of spill point environment		
☐Firm soil ☐Loose	e soil	Recently excavated area
☑Under water ☐Swam	npv	Exposed pipe surface
☐Well Platform (on water) ☐Drill		Sand bag(s)
Description of leak point (tick as applicable):		
e. Description of leak point (tick as applicable); Smooth round-edge hole	☐Rough-edge hole	☑ Hack saw cut
e. Description of leak point (tick as applicable); Smooth round-edge hole Complete Rupture		☐ Hack saw cut☐ Well head tampering
Smooth round-edge hole	☐ Rough-edge hole ☐ Inward dent, ☐ Failed Clamp,	☐ Well head tampering ☐ Missing Pipeline/Flowline
☐ Smooth round-edge hole ☐ Complete Rupture ☐ Failed Weld-on illegal hot tap valve ☐ Crude oil theft (illegal bunkering) point,	☐ Rough-edge hole ☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow	☐ Well head tampering☐ Missing Pipeline/Flowline☐ Third party tampering with Clamp
☐ 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	☐ Rough-edge hole ☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange,
☐ 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	□ Rough-edge hole □ Inward dent, □ Failed Clamp, □ Saver-pit over flow □ Bulging Outward □ Cold vent	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow,
□ 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	☐ Rough-edge hole ☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange,
□ 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 ()	□ Rough-edge hole □ Inward dent, □ Failed Clamp, □ Saver-pit over flow □ Bulging Outward □ Cold vent	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow,
□ 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	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow,
□ 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	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow, □ Accidental 3rd party equipment impact
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) f. Incident caused by: Third party interference (Sabotage ☑, crude)	□ Rough-edge hole □ Inward dent, □ Failed Clamp, □ Saver-pit over flow □ Bulging Outward □ Cold vent □ Relief valve failure	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow, □ Accidental 3rd party equipment impact
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) f. Incident caused by: Third party interference (Sabotage ☑, crude	□ Rough-edge hole □ Inward dent, □ Failed Clamp, □ Saver-pit over flow □ Bulging Outward □ Cold vent □ Relief valve failure	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow, □ Accidental 3rd party equipment impact
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) f. Incident caused by: Third party interference (Sabotage ☑, crude)	□ Rough-edge hole □ Inward dent, □ Failed Clamp, □ Saver-pit over flow □ Bulging Outward □ Cold vent □ Relief valve failure e theft □; Line theft □; Acci	□ 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

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Blue (Host Community)

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0663

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11. 1410	easuring unit		KIG	Easting:	
	Northing:	LATITU	DE	101	OGITUDE
	4.8	9820		5.77	967
•					
				1	
, RISK	ASSESSMEN	Т	*		
10. I	Details of Envir	onment			
i.	Type of env	ironment where s	spill occurred (sele	ect one):	
	Land	□Swamp	W ater	Seasonal swamp	☐Shoreline/Waterfron
ii.	Type of env	rironment to which	ch oil has spread:		
	☐ Land	□ Swamp	□Waterbody (s	specify)	
iii.	Weather co	ndition			
	□Dry	□Wet	Windy	□Hot	
11. D		sitive habitat with			
12. C	□ Drinking was □ Surface □ Built up Are □ □ Reside □ Farmlands □ Fish Farm/P □ Fishing net □ Others (spec	ater source the water Book the antial Area Control ond	gnated protected are rehole mmercial/Industrial A	[,m] [,m]	NONE SEE. INTHIN THE VICINITY.
	7000	rench Dyke	☐ Pit ☐ Natura	l depression None	
	Others:				
13. A	ny pictures or vi	deo coverage?		[Y] [N]	
14. F	Further response/	repair initiated as a	at the time of JIV?	[Y] [N]	
yes to iten	n 14, give brief de	scription:			12
				4	

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INCIDENT NO: 2974064 JIV report S/N: 0663 15. Was there any disruption to the investigation? [Y] [N] If yes to item 15 give brief description: 16. Was JIV delayed? Reason(s): 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 S/N | 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)

SECTION OF 3" OPUKUSHI WELL 12 LIS FLOWLINE SHOWING HACK SAW CUT AT 12 OCLOCK AGBIDIAMA POSITION. 17 12 O'CLOCK

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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)

601	NG-	5(84)
S/N	Northing	Easting
	4. 89806	5-77 938
	4.89782	5.77972
	4-89819	5 77994
	4 . 89836	5 77953
x		
	/	

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G. INCIDENT INFORMATION:

a. Impa	acted Area Details *			
	Tatal calculated area of irr	most (Hs) 0.20 H	ta	
		npact (<i>Ha)<u>0 · 2 0 /</u>1</i> W <i>VES</i>	<u> </u>	
	 Impact within SPDC R.O. 		9	
	 Impact outside SPDC R.O 	.w <i>NO</i>		
	o 2 decimal places if area is ≥ 100 n Hectares (Ha)	1 ² or to 4 decimal places if area	$is < 100 \text{ m}^2 \text{ (e.g. } 14.55,$	0.0051, 0.0009)
b. Volu	me of oil recovered before c	completion of JIV (VrecJ):		
	10000000000000000000000000000000000000	Recovered oil V _{recJ} :	NIL	Barrels
Control	lled recovery/evacuation from	source with no impact to	environment:	
		Barrels		
c. Net	Estimated Spilled Volume	$V_{Est}(bbls)^* =$	1	The little
		190	BARREL	
	7	6, 10	DIIKKEL	
stimated	Reported Volume** Vrep(bbls)	 		
		= 7 BARREL		
 Repo 	me estimation was done using an excel b orted spilled volume is an estimate her relevant notes taken into consideration		· · ·	
ĺ				
	8	r 1		
version of m ³	e respective estimated volume is to be do to barrels is Volume (m3) x 6.29; **Ro pill volume in excess of I bbl is rou	ound up estimated volume to next wh		
_	atili nakuma in lasa th 1 LL1	underdays to the way to 1 bbl		
 Any sp 	oill volume in less than 1 bbl is rou	inded up to the next 0.1 bbl.		
Frant	place Calculated volume = 15 3 hi	of second volume = 16 hh		

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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Calculated volume = 0.35 bbl ------ Reported volume = 0.4 bbl Calculated volume = 0.01 bbl ------ Reported volume = 0.1 bbl.

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d	General	C4-4			
u.	General	Status	OI I	ne siti	е

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

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

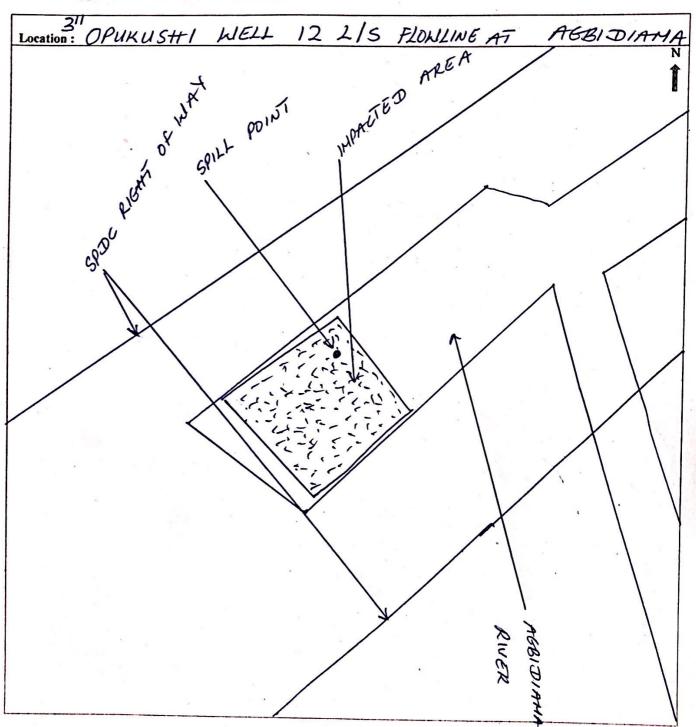
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f. Appendix 1: Overview sketch of the site



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