JIV report S/N1082

INCIDENT NO: 2098187

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1. Spill incident Number: 2098187 2. Type of incident* OLL SP(LL 3. Name of Location 10" DIEBU CREEK - NUN RIVER (DIL) PIPELINE 4. Name of nearest community OPOROMA 5. State: BAYELSA 6. LGA SOUTHERN IJAW 7. Type of Production facility/Installation OIL PIPELINE 8. Asset owner/District THE SHELL PETROLEUM DENELDPMENT COMPANY OF NIGERIA LINVIED B. INCIDENT INFORMATION: 9. Details of incident a. Date of incident: 11 TH JUNE, 2018 b. Start date/time of investigation: 2014 JUNE, 2018 c. Investigation End date: 22 JUNE, 2018 Actual investigation duration, days: TWO DAYS d. Description of spill point environment □Firm soil Loose soil Recently excavated area Swampy . Under water Exposed pipe surface ☐Well Platform (on Water) □Drill Rig Additional observations around the spill point: PLICABLE e. Description of leak point (tick as applicable); Drilled hole Hack saw cut Tear (Complete Rupture ☐ Inward dent, ☐ Well head tempering Failed Weld-on illegal hot tap valve Failed Clamp, ☐ Missing Pincline/Flowline Crude oil theft (illegal bunkering) point, Saver-pit over flow Third party tampering with Clamp ☐ Third party tampering with valve setting ☐ Bulging Outward ☐ Third party tampering with flange, ☐ Flare System/Bund wall failure □Cold vent ☐ Surge vessel overflow, ☐ Valve Failure Relief valve failure Accidental 3rd party equipment impact ☐ Corresion Others(specify) f. Incident caused by: ☐Third party interference (Sabotage ☐; crude the ft ☐; Line the ft ☐; Accidental 3rd party damage ☐) Operational ☐ Mystery spills Others(specify)

*This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire,

Measuring unit Northing:		45 84f	Easting:			<u> </u>
	LATITUDE	••		LONGE	TUDE	
	f. 7994:	2_8		6.1079	72_	
		<u> </u>		· · ·	•	
•						· .
RISK ASSESSMË	NT		· · · · · · · · · · · · · · · · · · ·	*	· · · · · · · · ·	
10. Type of environ		••				
Land	⊠ Swamp	Water	Seaso	onal swamp	□Shoreline/\	Vateritont
i. Type	of environment to	which oil has spr	cad:	. • .		. (,
☐ Land	Swamp	κ∟ ∐Water	□River	(identify)	 	- \
ii. Weatl	er condition	·				•
Rain	Sunny	□Dry .☑	Wet DWin	dy 🗆 Hot	⊠cool	. /
11. Distance from	the nearest sensitive	habitat				
Government	rea ' ; ' n/pond it ecify).		area [ا '7من	lone se Within Vicini	
Bōoms	_ · · · · · · · · · · · · · · · · · · ·	·	yke 🔲 Natu	ral depression	□Pit	□Non
Others:	· · · · ·	,,,,,,,	•			-
13. Any pictures o	r video coverage?		· [Y]	[и] √		
14. Further respon	se/repair initiated a	s at the time of J	W? [Y	[и]	•	
es to item 14. give b		CTIONAL			_	

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If yes	s to item 15 give brief descri	iption:			•	٠.	• •	
	NOT	AP	PLI	CAB	LE			 .
	TYPE/NUMBERS OF PRO 6. Structures / Properties	OPERTIES, IF	ANY, FOUND	WITHIN THE	AREA OF	SPREAD	OFOIL	
S/N	Type of Structures	Description	Size	Numb	er	C	nments	
N	ONE WE	HIN	ARI	A OF		APA	CT	
. 1	7. Crops/Economic Trees			• .	•	,		
S/N	Type of crops	Young	Medium	Matured	Quan	tity	Comme	nts
N	ONE AF	HHN	ARI	A 0		XPA	ĢĪ	
·	8. Fishing Nets/Fish Ponds	·				•		-
S/N	Nets/Ponds	Descrip	tion	Quantity/Size	<u> </u>	Commer	its	<u> </u>
N	ONE MI	HIN	ARE	\ OF	M	AC	-	
	9. Others (Specify) i.e. Ani			0 44 191	. ,			
S/N	Others	· Descrip	tion .	Quantity/Size		Commer	its	
	IONE NI	HIN	ARG	1 OF	 M 	NG	$\overline{\mathbf{L}}$	\dashv
	BRAPHIC DESCRIPTION he leak report, overview ske					it should b	e containe	d in
	TIONAL VIEW		_				•	
. 4	FT OPOROMIA E			IPLE C	JTS B	א עא	KNOM	<u> </u>
	• • • • • • • • • • • • • • • • • • • •	NG/C	<u>(2) 402</u>					
		1	exk Due	± 7⊾			: •	
			ULTIPLE					, •
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10"	<u></u>	100	8cm 2cc	<u></u>				10 m
	Pie	Bu CREEK	- NAM Rivi Page 3 of 8	ER PIPELING	<u> </u>			

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

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

	Wasky	<u> </u>
S/N	Northing ATITY DE	Easting LowalTyDE
PI	4.79956	6.10789
P2	4. 79964	6.10797
P3	4.79964	6:10797
PF	4.79959	6.10797
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G. INCIDENT INFORMATION:	
a. Impacted Area Details	•
• Total calculated area of impact 0. 0025 Ha.	<u>-</u>
• Impact within R.O.W YES	•
Impact outside R.O.W	<u> </u>
b. Volume of oil recovered before completion of JIV (V _{ree}): Recovered oil V _{ree} ;	Barrels
INIL	Barreis
Controlled recovery/evacuation from source with no impact to environment: NIL Barrels	_
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
0.75 BARREL	
Estimated Reported Volume** Vres(bbls)= BARREL	
*Notes: Volume estimation was done using an excel based tool (see attached for details on the valculation) 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 split volume estima Conversion of m' to barrels is Volume:(m3) x 6.29: **Round up estimated volume to next whole number using the following Any split volume in excess of I bbl is rounded up to the next whole number:	tion software on site: ng rules:
Any spill valume in less than I bbi is rounded up to the next 0.1 bbi.	
Examples: Calculated volume = 15.3 bbl Reported volume = 16 bbl 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 6e (Deviations) of the JIV procedure to us values estimation; record the calculation in a plain sheet of paragraph of the JIV procedure.	e appropriate steps for

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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 therefore recommend that the site be closed out.	I response and JIT
ii. Investigation of the incident site showed that there is residual impact on site requiring furth	her works
e. Representatives	
This report was filled, agreed and signed by the following joint investigation team represent	entatives:
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

