INCIDENT NO: 17/8583 JIV report S/N:

Nº 0000197

(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: 1718 583 2. Type of incident\* OIL SPILL /FIRE 3. Name of Location 28" NKPOKU - BOMU PIPELINE 4. Name of nearest community G10 5. State: RIVERS 6, LGA TAI 7. Type of Production facility/Installation OIL PIPELINE 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA CTD (SPBC) / PIPELINE **B. INCIDENT INFORMATION:** 9. Details of incident a. Date of incident: 25TH SEPTEMBER, 2016 b. Start date/time of investigation: 30TH SEPTEMBER, 2016/1230HRS c. Investigation End date: 157 OCTOBER 2016 Actual investigation duration, days: TWO (2) DAYS d. Description of spill point environment Recently excavated area Firm soil Loose soil ☐Under water ☐ Swampy Exposed pipe surface ☐Well Platform (on Water DrillRig Additional observations around the spill point: THE JEINT INVESTIGATION TEAM OBSERVED AN INWARD DENT AND A TEAR AT 7 D'CLOCK POSITION. OBSERVED BURNT AREA. THE TEAM ALSO e. Description of leak point (tick as applicable); DTear (EXPLOSIVE TEAR) Hack saw cut ☐ Drilled hole Inward dent. ☐ Well head tampering ☐Complete Rupture Failed Clamp, Failed Weld-on illegal hot tap valve ☐ Missing Pipeline/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 3<sup>rd</sup> party equipment impact Others(specify) f. Incident caused by: Third party interference (Sabotag& crude theft : Line theft : Accidental 3<sup>rd</sup> party damage) ☐ Operational ☐Others (including Mystery spills)

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

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		Measuring unit Northing: 4.70283			Easting:				
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. R	ISK	( ASSESSMEN	IT						
1	0.	Type of environs	nent:						
	•	<b>√</b> Land	□ Swamp		Water	☐Seasonal :	swamp	☐Shoreline/	Waterfront
		i. Type of	environment to w	hich oil	has spread:				
	,	\\[\textstyle{\textsty	☐Swamp	ı	□Water	□River	(identify)		_
		ii. Weathe	r condition						
		Rain	□Sunny √	<b>D</b> fry	□Wet	$\square$ Windy	□Hot	Cool	
ł	1.	Distance from th	e nearest sensitive	habitat					
		☐ Governmen ☐ Drinking wa ☐ Built up are ☐ Farmlands ☐ Fish Farm/F ☐ Fishing net ☐ Others (spec	a Pond	gnated ţ	protected area	NIY   Wit   NIT   NIT	[m, _ [m, [m, c	·	
1	12.	Containment me	asures put in place	:	•	•			
		Booms	□ī	rench	Dyke	□Natural de	pression	□Pit	□None
		Others:				,			
1	13.	Any pictures or	video coverage?			W	[ N ]		
	14.	Further respons	se/repair initiated a	s at the	time of JIV?	VY7	[ N ]		
f yes	to i	tem 14, give brief	_ `	ፅን	SECT		Q F	PLACEN	ENT

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If yes to item 15 give brief description:	•
	100-
/\/ //	APPLICABLE

D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL

16. Structures / Properties

S/N	Type of Structures	Description	Size	Number	Comments
1	GUARD HUTS		<u></u>	2	BURNT

17. Crops/Economic Trees

S/N	Type of crops	Young	Medium	Matured	Quantity	Comments
1	CASSAYA		MANY	MANY		BURNT
2	PALM TREE		_			BURNT

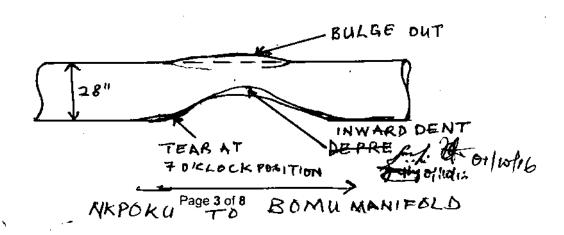
18. Fishing Nets/Fish Ponds

S/N	Nets/Ponds	Description	Quantity/Size	Comments
$\Lambda$	PONE Y	VITHIN A	REA	OF IMPACT

19. Others (Specify) i.e. Animal Traps

	<b>L</b> .
NONE WITHIN AREA OF I	APACT

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) A SECTION 28" NEPOKU -BOMMU PIPELINE AT GID SHOWING INWARD DENT AND ATEAR AT 7 DICLOCK POSITION.



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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)

S/N	Northing	Easting
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8" NKPOKU - BOMU NC. NO: 1718583			
POINT	LATITUDE	LONGITUDE	
wp534	4.70363	7.24148	
wp538	4.70355	7.24184	
wp539	4.70334	7.24209	
wp540	4.70314	7.24264	
wp541	4.70299	7.24302	
wp542	4.70249	7.24334	
wp543	4.70221	7.24348	
wp544	4.70163	7.24396	
wp545	4.70112	7.24462	
wp546	4.70103	7.24501	
wp547	4.70084	7.24525	
wp548	4.70032	7.24591	
wp549	4.69997	7.24625	
wp550	4.69975	7.24629	
wp501	4.69967	7.24617	
wp502	4.69971	7.24605	
wp503	4.69949	7.24596	
wp504	4.69936	7.24634	
wp505	4.69915	7.2461	
wp506	4.69906	7.24613	
wp507	4.6987	7.24609	
wp508	4.69799	7.2456	
wp509	4.69815	7.24545	
wp510	4.69815	7.24539	
wp511	4.6982	7.24536	
wp512	4.69834	7.24532	
wp513	4.69894	7.24593	
wp514	4.69931	7.24575	
wp515	4.69939	7.24581	
wp516	4.69949	7.24574	
wp517	4.69953_	7.24578	
wp518	4.69958	7.24575	
wp519	4.69972	7.24593	
wp520	4.70078	7.24472	
wp521	4.70116	7.24422	
wp522	4.70082	7.24422	
wp523	4.70077	7.24437	
wp524	4.70071	7.24432	
wp525	4.70046	7.24438	
wp526	4.7004	7.24413	
wp527	4.70066	7.24414	
wp528	4.70089	7.24402	
wp529	4.70124	7.24416	
wp530	4.70156	7.24378	

01/10/2016

28" NKPOKU - BOMU PIPELINE AT GIO SPILL/FIRE SITE COORDINATE					
INC NO-1718583	WGS 84				

INC. NO: 1718583	WGS 84		
POINT	LATITUDE	LONGITUDE	
wp531	4.70215	7.24304	
wp532	4.70315	7.24181	
wp533	4.70347	7.24149	

01/0/2016

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#### **G. INCIDENT INFORMATION:**

a.	lm	pacted	Area	Details
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Total calculated area of impact

Impact within R.O.W

Impact outside R.O.W

YES

VES

b. Volume of oil recovered before completion of JIV (V<sub>recJ</sub>):

Recovered oil V<sub>recj</sub>: 113 Barrels

Controlled recovery/evacuation from source with no impact to environment:

N/L Barrels

c. Net Estimated Spilled Volume  $V_{Est}(bbls)^* = 36/.75$  BARRELS

Estimated Reported Volume\*\*  $V_{rep}(bbls)^* = 362$  BARRELS

\*Notes:

Volume estimation was done using an excel based tool (see attached for details on the calculation)

Reported spilled yolune is an estimate

Write other relevant notes taken into consideration for estimating the spilled in the box below:

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<sup>2</sup> 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.

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

Wherever this estimation root is not applicable please refer to paragraph by (Devianous) of the AU procedure to use appropriate steps for volume estimation, record the eat; whiteon is a plant sheet of paper and attach to the AU 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

#### e. Representatives

This report was filled, agreed and signed by the following joint investigation team representatives:

- Host Community:\☑
- National Oil Spill Detection and Response Agency |NOSDRA|:\□
- State Ministry of Environment [SME] \( \sqrt{2} \)
- Asset Owner 

  ✓
- Signatories agree with reported findings
- Separate DPR form has been filled out with same finding

Tick as applicable

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f. Appendix 1: Overview sketch of the site

