JIV report S/N:

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INCIDENT NO. 1867352

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 Note: As practicable as possible the JIT report is to be sign	igned in the field by all the participating parties)	
A. GENERAL INFORMATION:		
1. Spill incident Number: 1867352	2. Type of incident* OIL SPILL	
3. Name of Liocation 28" BEMY - BONNY	TRANS NIGHT PIPELINE	
3. Name of Location 28" Bemy - BONNY PATRICK 1. Name of nearest community WATER SIDE 5.	State: RIVERS 6. LGA GOKANA	
7. Type of Production facility/Installation OIL PIPE		
B. Asset owner/District ALE SHELL PETROLEUM LIMITED B. INCIDENT INFORMATION:	A DEVELOPMENT COMPANY OF NIGERIA	
9. Details of incident a. Date of incident: IST JUNE, 2017		
b. Start date/time of investigation: 6 TH JUNE, 2	2017	
c. Investigation End date: 6th JUNE, 2017 Ac		
d. Description of spill point environment	_/	
□Firm soil □Loose soil	MRecently excavated area	
Under water Swampy	☐Exposed pipe surface	
☐ Well Platform (on Water ☐ DrillRig		
Additional observations around the spill point:		
NOT APP	PLICABLE	
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 Others(specify)	☐ Hack saw cut ☐ Inward dent, ☐ Well head tampering ☐ Missing Pipeline/Flowline ☐ Saver-pit over flow ☐ Bulging Outward ☐ Third party tampering with Clamp ☐ Third party tampering with flange ☐ Cold vent ☐ Surge vessel overflow, ☐ Relief valve failure ☐ Accidental 3 rd party equipment imp	,
f. Incident caused by: Third party interference (Sabotage 7; crude theft) Operational Others (including Myst		

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

n. Measuring unit		NGS		Easting:	-		
Hartung: [-ATTITUDE			Li Li	ON GTIVE)E	
	4.5932			7.2573			
	A						
		ヌ ´		<u>.</u>	SP		
RISK ASSESS ME N				-			
10. Type of environr	nent:						
Land	Swamp	□w	ater	☐ Seasonal	swamp	☐ Shoreline	/Waterfront
i. Type of	environment to w	hich oil h	as spread:				
Land	Swamp		Water	□River	(identify)_		_
ii. Weathe	r condition		•				
□Rain	Sunny	□Dry	□wet	□Windy	Hot	□cool	
11. Distance from th	e nearest sensitive	habitat					
☐ Governmen☐ Drinking wa☐ Built up are☐ Farmlands☐ Fish Farm/P☐ Fishing net☐ Others (spec	ond	gnated pr	otected area	[[[[,mj (HOME SE WITHIN VICINIT	
12. Containment me	asures put in place	;;		•		•	
Booms	г	rench	□Dyke	□Natural d	epression	₽it	□None
Others:							
13. Any pictures or	video coverage?			[Y /]	[N]		
14. Further respons	se/repair initiated a	s at the ti	me of JIV?	[Y]	[N]		
es to item 14, give brief	description:	l Arma	DIALC	ANN C	RUNG	EIL R	Erwekt
EPAIR WE	sick by		10-4				- \ 10- \

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If yes to item 15 give brief description: D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 16. Structures / Properties S/N Type of Structures Size Number Description **Comments** 17. Crops/Economic Trees S/N Type of crops Medium Matured Young Quantity Comments 18. Fishing Nets/Fish Ponds S/N Nets/Ponds Description Quantity/Size **Comments** 19. Others (Specify) i.e. Animal Traps Quantity/Size S/N Others Description Comments 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) SECTIONAL VIEW OF 28" BOMY - BONNY TRANS NIGER PIPELINE PATRICK MATER SIDE. SHOWING 20mm DRILLED HOLE LEAK IS DUE TO 20mm DRIVED HOLE OBSERVED PORTION OF AT 120 (LECK THE COATING REMOVED. Position. Exemu - BENNY Page 3 of 8

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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)

	WG5	84
S/N		Easting LON GITUDE
<u> </u>	4 5928	7.25706
	4 5928 4 5925	7.25696.
	4.5924	7.25539
	4.59322	7.25739
	4.59321	7 · 25727
	. 4-59239	7. 25694
	4.59274	7.25681
	4.59258	7. 25601
	4. 59263	7.25561
	4.5924	7·25561 7·2562
	4.59321	7.25728
	4.59321	7.25736
	4.59315	7. 25732
	4. 59316	7.25723
·		
	7	
<u>-</u>		
		•

. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact O.56Ha	
• Impact within R.O.W YES	
Impact outside R.O.W	
b. Volume of oil recovered before completion of JIV (V _{reeJ}):	
Recovered oil V _{recs} :	Barrels
Controlled recovery/evacuation from source with no impact to environment: NIL Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
96.25 BARRELS	
stimated Reported Volume** V _{rep} (bbls)= 97 BARRELS	
Notes: Wolume estimation was done using an excel based tool.tsee attached for details on the calculation) Reported spilled volume is an estimate Write other relevant notes taken into consideration for estimating the spilled in the box below:	
NOT APPLICABI	LE
alculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume es onversion of m ³ to barrels is Folume (m3) x 6.29; **Round up estimated volume to next whole number using the foll • Any spill volume in excess of I bbl is rounded up to the next whole number.	timation software o lowing rules:
 Inv spill volume in less than - I bbl - is rounded up to the next 0.1 bbl. 	
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 bbf	

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d.	General	Status	of the	site
•	OCHELMI	DIGILLA	VI UIL	3111

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

e. Representatives

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

- Host Community:

 ✓
- Department of Petroleum Resources |DPR|: 5
- 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

