INCIDENT NO: 2054409 JIV report S/N: 1042

(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: 2054409 2. Type of incident* OIL SPILL 3. Name of Location 28" BOMY - BONNY TRANS NIGER PIPELINE

PATRICK
4. Name of nearest community WATER SIDE 5. State: RIVERS 6. LGA GOKANA 7. Type of Production facility/Installation OIL PIPELINE 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGGE (A. LIMITED | PIPELINE B. INCIDENT INFORMATION: 9. Details of incident a. Date of incident: 5th APRIL, 2018 b. Start date/time of investigation: 7TH APRIL 2018 c. Investigation End date: 7th APRIL, 2018 Actual investigation duration, days; ONE DAY 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: THE JOINT INVESTIGATION TEAM OBSERVED AN 8" PIPE EXTENSION CONNECTED TO THE 10" THEFT FETTING WITH A LEXK POINT 6 METERS AWAY FROM THE 28" BOMY TRANS NIGER PIPELINE AT PATRICK WATER SIDE. e. Description of leak point (tick as applicable); ☐Drilled hole Hack saw cut ☐ Tear (Complete Rupture ☐ Inward dent. ☐ Well head tampering Failed Weld-on illegal hot tap valve ☐ Failed Clamp, ☐ 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 3rd party equipment impact ☐ Corrosion ☐Others(specify) f. Incident caused by: ☐ Third party interference (Sabotage□; crude theft☐; Line theft☐; 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) Five,

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g. Spill point coordin h. Measuring unit Northing: 4.5	7-2404() 7-2402(P)	HEFT POINT	JGS 84 Easting: 7.25	3691(1 3639(1	THEFT POWE	PO/NT)
C. RISK ASSESSMEI	NT					
10. Type of environ	ment;					
Land	Swamp	□Water	□Seasona	swamp	Shorelin	e/Waterfront
i. Type o	of environment to w	vhich oil has spre	ad:		·	
Land	Swamp	□Water	□River (id	lentify)	<u> </u>	
ii. Weath	er condition					
□Rain	⊠ Sunny	□Dry □v	Vet Windy	Hot	□cooi	
II. Distance from the	ie nearest sensitive	habitat				
☐ Governmer ☐ Drinking w ☐ Built up are ☐ Farmlands ☐ Fish Farm/ ☐ Fishing net ☐ Others (spe	pond	gnated protected	area [[[[[,m] ,m]	yone s With Vicin	N
12. Containment me	asures put in place	;		-	,	
Booms		Trench Dy	ke 🔲 Natural d	depression	₽it	□None
Others:					•	
13. Any pictures or	video coverage?		[Y-]	[N]		
14. Further response	repair initiated as	at the time of JIV	/? [Y }√	[N]		
if yes to item 14. give brie RECOVERY W	ork du go		e REPAIR	Work	B7	BUND
FLANGENG	•		P = 7 %	[N4/		
15. Was there any dis	auditon to the invest	ization?	1 Y I	INY		

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If yes to item 15 give brief description:
NOT 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
NONE WITHIN AREA OF IMPACT
17. Crops/Economic Trees S/N Type of crops Young Medium Matured Quantity Comments
S/N Type of crops Young Medium Matured Quantity Comments
MONE WITHIN ARLA OF HAPACI
18. Fishing Nets/Fish Ponds S/N Nets/Ponds Description Quantity/Size Comments
NIONIT I I I I I I I I I I I I I I I I I I
140145 MILITA MILITARIA
19. Others (Specify) i.e. Animal Traps S/N Others Description Quantity/Size Comments
NICK DESCRIPTION AND IN THE INTERPRETATION OF THE INTERPRETATION O
HONE WITHIN AREA
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 AT PATE
MATER SIDE SHOWING: LEAKING 16" BAH VAIVE ILLEGAL THEFT FITTING INSTALLED AT 12 O CLOCK POSITION.
FITTING INSTAILED AT 12 0 CLOCK POSITION.
8"PiPe
EXTENTION LEAK POINT
LEAR POINT
10" FLANGE 10" BAI VAIVE.
78" TNP
Bomu - Bonkato Pipe Line.

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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 attacht as an appendix)

S/N	Northing Northing	Easting Easting
	4.572497	7.253526
	4.572290	17.253477
	4.5722 66	7-253764
	4.572290 4.572266 4.572505	7.253526 7.253477 7.253764 7.253852
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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact_0.09kg	
Impact within R.O.W	•
• Impact outside R.O.W	_
b. Volume of oil recovered before completion of JIV (Vreed):	
Recovered oil V _{reeJ} :	Barrels
Controlled recovery/evacuation from source with no impact to environment: Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
21.93 BARRELS	
Estimated Reported Volume** Vren(bbls)= 22 BARRELS.	
Notes: Volume estimation was done using an excel based tool.(see 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 APPLICAR	OLE
	·
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimated conversion of m' to barrels is Volume:(m3) x 6.29: **Round up estimated volume to next whole number using the following. Any spill volume in excess of bbl is rounded up to the next whole number:	tion software on site: ng rules:
 Any spill volume in less than l 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 bbl	
Wherever this estimation tool is not applicable please refer to paragraph 6e (Deviations) of the JIV procedure to us volume estimation: record the calculation in a plain sheet of paper and attach to the JIV report.	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 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:				
Department of Petroleum Resuurces [DPR]: □				
National Oil Spill Detection and Response Agency [NOSDRA]:				
State Ministry of Environment [SME]:				
Asset Owner:				
Signatorics 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

