INCIDENT NO: 2000 801 JIV report S/N: 0984

(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: 2000801 2. Type of incident* OIL SPILL 3. Name of Location 28" BOMU - BONNY TRANS NIGER PIPELINE 4. Name of nearest community BODO WEST 5. State: RIVERS 6. LGA GOKANA 7. Type of Production facility/Installation GIL PIPELINE 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA B. INCIDENT INFORMATION: 9. Details of incident a. Date of incident: 13TH JANUARY 2018 b. Start date/time of investigation: 15th JANUARY 2018 c. Investigation End date: 15th JANUARY 2012 tual investigation duration, days: ONE DAY d. Description of spill point environment Loose soil Recently excavated area Firm soil Swampy ' Under water Exposed pipe surface ☐Well Platform (on Water) □Drill Rig Additional observations around the spill point: APPLICABLE 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 theff□; 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) Fire,

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g. Spill point coordin	ates				
h. Measuring unit					
Northing:			Easting:		
4.	<i>5</i> 73 <i>8</i> 2	8 N	7.2	25402	E
DISK ASSESSMENT					
C. RISK ASSESSMEN					
Type of environm	nent;				
□Land	Swamp	□Water	☐ Seasona	I swamp 🔲	Shoreline/Waterfront
i. Type of	environment to w	hich oil has spi	read:		
Land	Swamp	□Water	□River (ic	dentify)	
ii. Weather	condition				
Rain	Sunny i	□Dry □	Wet □Windy	Hot	□cool
11. Distance from the	nearest sensitive	habitat			
☐ Government☐ Drinking wa ☐ Built up area☐ Farmlands☐ Fish Farm/p☐ Fishing net☐ Others (spec	ond	nated protected	l area [,m] (W	one seen ithin cinity
 Containment mea 	sures put in place:	•			
Booms		rench D	yke 🗆 Natural o	lepression	□Pit □None
Others:					
13. Any pictures or vi	deo coverage?		[Y ; ⁄	[N]	
14. Further response/	repair initiated as a	it the time of II	V? [Y¶.	[N]	
f yes to item 14, give brief RECOVERY	description: Work A	ND RE	PAIR WOI	RK BY	CLAMPING
CNGOING.					
15. Was there any disru	ption to the investig	gation?	[Y]	[N3/	

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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	
NONE MITHIN AREA DE IMPACT	
18. Fishing Nets/Fish Ponds	
S/N Nets/Ponds Description Quantity/Size Comments	
NONE WITHIN AREA OF IMPACT	
19. Others (Specify) i.e. Animal Traps	
S/N Others Description Quantity/Size Comments	
NONE WITHIN AREA DE IMPACT	
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)	
TIONAL VIEW OF 28" BOMU-BONNY TRANS NIGER PIPELINE	AT
BODO WEST SHOWING !- FAILED 6" WEID-EN ILLEGAL HOT	
TAP VAIVE	
LEAK DUE TO 6" FLEXIBLE	•
FAILED WEID-ON HOSE	
TILEGAL HOT	
THE VATUE INSTALCE COLOR	
Position.	
TAP DESCRIPTION OF THE PROPERTY OF THE PROPERT	28" TNP
Bomy-Bonny Pipeline	*****

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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)

	WGS 8	4
S/N	Northing LAT.	Easting LONG.
- !	4.57390	7.25339
2	4.57390	7.25379
3	4.57396	7.25392
4	4.57405	7.25397
_5	4.57410	7.253.89
6	4-57413	7.25374
7	4.57410	7.25365
8	4.57410	7.25360
9	4.57413	7.25358
10	4.57426	7.25366
41	4.57424	7.25373
12	4.57418	7.25375
13	4.57413	7.25387
14	4.57414	7.25399
15	4.57421	7.25404
16	4.57430	7.25401
17	4 . 57433	7.25410
18	4.57418	7.25415
19	4.57404	7.25412
20	4.57381	7.25418
21	4.57367	7.25404 7.25386
22	4.57372	7.25386
23	4 57378	7.25378
22 23 24	4 57382	7.25354
25	4.57378	7.25326

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G. INC	CIDENT INFORMATION:
a.]	Impacted Area Details
	Total calculated area of impact 0.259216 Ha (0.26 Ha)
	Impact within R.O.W
,	• Impact outside R.O.W
b.]	Volume of oil recovered before completion of JIV (Vrec.J):
	Recovered oil V _{recJ} : NIL Barrels
Co	ontrolled recovery/evacuation from source with no impact to environment: Barrels Barrels
	· · · · · · · · · · · · · · · · · · ·
c.	Net Estimated Spilled VolumeV _{Est} (bbls)* =
	24 29 BARRELS
Estim	ated Reported Volume** V _{rep} (bbls)= 25 B ARRELS
Notes:	Volume estimation was done using an excel based tool.(see attached for details on the calculation) Reported spilled volume is an estimate
W	rite other relevant notes taken into consideration for estimating the spilled in the box below:
	NOT APPLICABLE
L	

Conversion of m³ 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 I 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.

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 use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and attach to the JIV 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 therefore recommend that the site be closed out	e and JIT
ii. Investigation of the incident site showed that there is residual impact on site requiring further works	8
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:	
Signatories agree with reported findings:	
Separate DPR form has been filled out with same findings □	
Tick as a _l	pplicable

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f. Appendix 1: Overview sketch of the site

