INCIDENT NO: 15 5 3 7 3 0 JIV report S/N:

Nº hooding

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: I. Spill incident Number: 1553730 2. Type of incident* OIL SPILL 3. Name of Location 28" BOMU - BONNY PIPELINE (OPOBO RISER) 4. Name of nearest community OWDKIR | 5. State: RWERS 6. LGA ANDON! 7. Type of Production facility/Installation OK PIPELINE 8. Asset owner/District THE SHELL PEROLEUM DEVELOPMENT COMPONY OF NIGERIA (SPOC) B. INCIDENT INFORMATION: Details of incident

a. Date of incident: 57# FEBRUARY 20/6 9. Details of incident b. Start date/time of investigation: 8TH JANUARY 2016 c. Investigation End date STH JANUARY 2016 Actual investigation duration, days: ONE (1) DAY d. Description of spill point environment Recently excavated area Loose soil ☐Firm soil □ Swampy ☐ Under water □Dril!Rig Well Platform (on Water Additional observations around the spill point: e. Description of leak point (tick as applicable); ☐ Tear (` ☐ Hack saw cut ☐Drilled hele Inward dent. ■ Well head tampering ☐Complete Rupture ☐ Failed Clamp, ☐ Missing Pipeline/Flowline Failed Weld-on illegal hot tap valve ☐ Third party tampering with Clamp ☐ Saver-pit over flow Crude oil theft (illegal bunkering) point, ☐ Third party tampering with flange, ■ Bulging Outward ☐ Third party tampering with valve setting ☐ Surge vessel overflow, Cold vent ☐Flare System/Bund wall failure Accidental 3rd party equipment impact ☐ Relief valve failure ☐ Valve Failure Dothers(specify) DRAINING FROM FLANGE f. Incident caused by: ☐Third party interference (Sabotage☐; crude theft☐; Line theft☐; Accidental 3rd party damage☐)

Others (including Mystery spills)

Operational

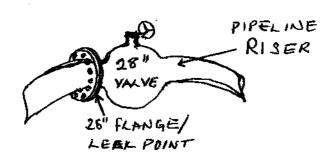
^{*}This can be: a) Oil Spill h) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire,

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n. Me	easuring unit Northing:	·	was	<u> </u>	Easting:			
	C		007.245549					
			/4	Ras				,
l								-
. RIS	(ASSESSMEN	łТ						
10.	Type of environs	ment:						
	Land	√ Swamp		Vater	Seasonal s	swamp	☐Shoreline/	Waterfront
	i. Type o	f environment to wh	nich oil l	has spread:				
	Land	Swamp]Water	River	(identify)		_
	ii. Weathe	er condition		•				
	□Rain	□Sunny J	Zb₁y	□Wet	□Windy	□Hot	1000î	
11.	Distance from the	ne nearest sensitive	habitat					
	☐ Governmen ☐ Drinking w ☐ Built up are ☐ Farmlands ☐ Fish Farm/I ☐ Fishing net ☐ Others (spe	ond .	gnated p	rotected area	[[[[[m, ,m] ,m] ,m] ,m]	NONE S	EEN VICINIT
12.	Containment me	easures put in place	•		-			
	Booms	□r	rench	□Dyke	□Natural de	pression	□Pit	None
	Others:							
13.	13. Any pictures or video coverage?					[N]		
14.	Further respon	se/repair initiated a	s at the	time of JIV?	UXT 1	[N]		
If was to i	item 14, give brief	description:				-		

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II yes	to item 15 give on	er desc	ription.		_				
	NOT	A	PPL		AI	3 L	\mathcal{E}		
	YPE/NUMBERS 6. Structures / Pro		ROPERTIES,IF	ANY, FOUN	D WITHIN THE	AREA O	F SPRE	AD OF OIL	
S/N	Type of Structu		Description	Size	Number		Comme	ents	
N	DNE V	/ '	THIN T	E A	REA C	FI	MP.	ACT	
1	7. Crops/Economi	c Trees	,						
S/N	Type of crops	Youn	g	Medium	Matured	Quanti	ity	Comments	
No	DNE WI	TH	W THE	ARE1	CF	I M	PA	CT	
	18. Fishing Nets/Fish Ponds								
S/N	Nets/Ponds		Description		Quantity/Size	Commen	ts		
	IONE	N) THIN	1 THE	= AR	A C	F 17	MPACT	
1	19. Others (Specify) i.e. Animal Traps								
S/N	N Others		Description		Quantity/Size Comme		nts		
M	ONE N	// 1	HIN TH	IE A	REA	OF	/M	PACT	
the le	RAPHIC DESCR ak report, overview	sketci	of the site should	d be added as i	an appendix 1) - _l	A SE	CTI	N OF 2	
, U Mu	- BONNY	rif	ELWE,	4T OW	OKIRI (OF	OBD R	18ER	MUMBHZ C	



FROM BOTHU TO BONNY

A LEAKING FLANGE.

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

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

	Mas 1	/T · · ·
S/N	Northing	Easting
	04.540383	007.245546
	04.540383	007.245572
	64.540410	007.245554
	04.540401	007.245580
		7
	· · · · · · · · · · · · · · · · · · ·	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	-	- / Su Cit
		08/01/2016
	1	•
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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact 0.00 HA	
Impact within R.O.W Tes	
Impact outside R.O.W	·
b. Volume of oil recovered before completion of JIV (V _{recJ}):	
Recovered oil V _{ree.J} : N11_	Barrels
Controlled recovery/evacuation from source with no impact to environme	nt:
NIL Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* = 0.05 Estimated Reported Volume** V _{rep} (bbls)* 0.1 BARREL	
Notes: Volume estimation was done using an excel based tool,(see attached for details on the calculation Reported spilled volume is an estimate	on)
Write other relevant notes taken into consideration for estimating the spilled in the box below: ALTHOUGH THE ESTIMATED SPILLED APPROXIMATELY 9 LITRES, THIS FIGUR UP TO THE REPORTED SPILLED VOLUME	E IS KOUNDED

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^{i} to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following rules:

0.1 BARREL BASED ON THE ROUNDING RULES.

- Any spill volume in excess of -1 bbl is rounded up to the next whole number.
- Any spill volume in less than 1 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 6c (Deviations) of the AV procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and attach to the AV 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 therefore recommend that the site be closed out	TIL
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 Resources [DPR]

 A□
- National Oil Spill Detection and Response Agency [NOSDRA]:
- Asset Owner

 ✓
- Signatories agree with reported finding \square
- Separate DPR form has been filled out with same finding \(\mathbb{Z} \)

Tick as applicable

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f. Appendix 1: Overview sketch of the site

