INCIDENT NO: 2718876 JIV report S/N:

0690

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties)

A. GENERAL INFORMATION:
Fountain Incident Number: 2718876 2. Type of incident* O/L SPILL
Name of Location 28" BOMU - BONNY PIPELINE
. Name of nearest community OWOKIRI 5. State: RIVERS 6. LGA ANDONI
Production Facility/Installation OIL PIPELINE
Asset Owner/Hub HE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LTD (SPDC) / PIPELINE INCIDENT INFORMATION:
b. Start date/time of Investigation: 30TH AUGUST 2020
c. Investigation End date: 30TH AUGUST 2020 Day(s) on site: ONE (1) DAY
d. Description of spill point environment
Dry .
Exposed pipe surface
Well Platform (on water)  Drill Rig  Sand bag(s)  Additional observations around the spill point:
NOT APPLICABLE
e. Description of leak point (tick as applicable);  Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve Third party tampering with valve setting Flare System/Bund wall failure Valve Failure Tear ( Others (specify)  Rough-edge hole Inward dent, Inward dent, Saver-pit over flow Bulging Outward Cold vent Relief valve failure Accidental 3rd party equipment impact
f. Incident caused by:  ☐ Third party interference (Sabotage ☐; crude theft ☐; Line theft ☐; Accidental 3 <sup>rd</sup> party damage ☐) ☐ Operational ☐ Others (including Mystery spills)

\*This can be: (a) Oil Spill (b) Drilling fluid/Chemical (c) Siltation (d) Water Leak (e) Fire (f) Non-leaking theft point removal

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	Northing:	LATITUD	The second second	Easting:	LONG	ITUDE		
		.5422			7.24616			
10. i. ii.	□ Land  Type of end □ Land  Weather code □ Dry  Distance to Send □ Government □ Drinking weather weather code □ Built up Ar	ronment vironment where s  Swamp vironment to whice Swamp andition Wet asitive habitat with at reserved and designater source be water  Borea	□Water  th oil has spread: □Waterbody □Windy in 100m radius gnated protected a	Seasonal (specify)  Hot	,m] ,m] ,m]	□Shoreline/Waterfrom		
	☐ Farmlands ☐ Fish Farm/I ☐ Fishing net ☐ Others (spec				,m] ,m] ,m] ,m]	VICINITY		
2. (	Containment mea	sures put in place:						
	□Booms □1 □Others:	French Dyke	□ Pit □Natur	al depression [	□None			
3. A	any pictures or vi	deo coverage?		[W]	[N]			
4.	Further response/	repair initiated as a	t the time of JIV?	W				
o itei	m 14, give brief de	scription:						

INCIDENT NO: 2718876 JIV report S/N: 0690 15. Was there any disruption to the investigation? [Y] [X] If yes to item 15 give brief description: 16. Was JIV delayed? [Y] D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 17. Structures / Properties S/N Type of Structures Description Size Number Comments 18. Crops/Economic Trees S/N | Type of crops | Young Medium Matured Quantity ... 19. Fish/Nets/Ponds Fish/Nets/Ponds Description Quantity/Size | Comments 20. Others (Specify) e.g. Animal Traps Others Description Quantity/Size Comments E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak point should be contained in the leak report, overview sketch of the site should be added as appendix 1) A SECTION OF 28" BOMU - BONNY PIPELINE AT OWOKIRI SHOWING OIL THEFT VALVE, INSTALLED AT 120'ELOCK POSITION BY UNKNOWN PERSONS) SPILL 6"YALVE POINT INSTALLED AT 12 O'CLOCK POSITION 28" BONNY BOMU TO

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Blue (Host Community)

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

21. Impacted area boundary Coordinates (If more, Print and attach as Appendix)

CAL	. W 9 8	4
S/N	Northing LATITUDE	Easting LONGITUDE
理儿里	4.54211	7.24609
2	4.54226	7.24613
3	4.54223	7.24620
4	4.54214	7.24620
5	4.54230	7.24625
6.	4.54231	7.24629
7	4.54212	7.24623
8	4.54196	7.24627
9	4.54186	7-24620
10	4 '54173	7.24615
11	4.54174	7.24610
12	4.54187	7.24617
13	4.54 197	7.24626
14	4.54205	7.24623
15	4.54212	7.24617
16	4.54211	7.24614

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G. INCIDENT INFORM	IATION:
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	Total calculate	ed area of impact (F	(a) 0 · 0	4 112	
		SPDC R.O.W	YE		
	The state of the s	e SPDC R.O.W		es mer maken	
ound off to 2 express in Hec	decimal places if a ctares (Ha)	area is $\geq 100 \text{ m}^2$ or to		rea is < 100 m² (e.g. 14.5.	5, 0.0051, 0.0009)
. Volume	e of oil recover	red before comple	etion of JIV (Vr	ec. <b>J):</b>	
		A SHALL OF THE PARTY OF THE PAR	overed oil V <sub>recJ</sub> :	NIL	Barrels
Controlle	d recovery/evac	cuation from source	e with no impac		
		NIL	Barrels		
N. T.					A COLUMN TO THE RESERVE OF THE PARTY OF THE
glioriski z		ed Volume V <sub>Est</sub> (b)	bls)* = / • 8	18 BARREL	-S. (11)
stimated Re	stimated Spille	** V (bblo)	1.8 2 BARRE		S July
stimated Restaurated Restaurat	eported Volume	** V <sub>rep</sub> (bbls)=	1.8 2 BARRE	ELS	-S
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stimated Restaurated Restaurated Restaurated Reporter	eported Volume e estimation was done ted spilled volume is a	e using an excel based too	2 BARRE	ELS  ails on the calculation)	

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  $m^3$  to barrels is Volume ( $m^3$ ) 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 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 JIV procedure to use appropriate steps for column 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 a therefore recommend that the site be closed out	and JIT
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	B.

#### e. Representatives

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

- Host Community: ☑
- Department of Petroleum Resources [DPR]: □
- National Oil Spill Detection and Response Agency [NOSDRA]: 

  ✓
- State Ministry of Environment [SME]: 

   ✓
- The Shell Petroleum Development Company [SPDC]:
- Separate DPR form has been filled out with same findings □
- Separate NOSDRA form has been filled out with same findings
- Separate SME form has been filled out with same findings

Tick as applicable

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f. Appendix 1: Overview sketch of the site

