INCIDENT NO: 1439209 JIV report S/N:

Nº MONONTO

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 2. Type of incident\* OIL SPILL 1. Spill incident Number: 1439209 3. Name of Location Born TERMINAL SINGLE POINT MODERING (SPM) 1. FLOTTING HOSE 13 4. Name of nearest community BONNY 5. State: RIVERS 6. LGA BONNT 7. Type of Production facility/Installation BONNY OIL AND GAS EXPORT TERMINAL 8. Asset OWNER/District THE SHELL PETROLEUM BEVELOPMENT COMPANY (NIG) LIMITED B. INCIDENT INFORMATION: 9. Details of incident a. Date of incident: 8th July 2015 b. Start date/time of investigation: 23th July 2015 c. Investigation End date: 30th July 2015 Actual investigation duration, days: Two Day's d. Description of spill point environment Recently excavated area Loose soil DFirm soil Exposed pipe surface **□**Swampy ☐Under water DrillRig Well Platform (on Water Additional observations around the spill point: APPLICABLE. NOT e. Description of leak point (tick as applicable); ☐ Tear ( Hack saw cut Drilled hole ☑Complete Rupture FLOATING INSE B ☐ Inward dent, ☐ Well head tampering ☐ Missing Pipeline/Flowline Failed Clamp, 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 β<sup>rd</sup> party equipment impact ☐ Relief valve failure ☐ Valve Failure Others(specify) f. Incident caused by: ☐ Third party interference (Sabotage☐;crude theft☐; Line theft☐; Accidental 3<sup>rd</sup> party damage☐) Others (including Mystery spills)\_\_\_\_\_ **M**Operational

<sup>\*</sup>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 coordina	ites		_		I	
h. Measuring unit						
Northing: W	45-84 La	<del>+</del> T	Easting:	as-84	LONG	È.
04-17	7302		007.2	22949		
			•		<del></del>	
C. RISK ASSESSMEN						
10. Type of environn	nent:					
Land	□Swamp	Water	Seasona	al swamp 🔲 5	Shoreline/\	Waterfro <del>n</del> t
i. Type of	environment to wh	ich oil has sprea	d:			
Land	□ Swamp	Water	□Riv	er (identify)	<del></del> -	-
ii. Weather	r condition				<b>/</b>	
<b>⊡</b> ⁄kain	□Sunny □	Dry □v	Vet <b>W</b> indy	Hot	⊠cool	
11. Distance from th	e nearest sensitive l	nabitat			1	
☐ Government☐ Drinking wa☐ Built up are☐ Farmlands☐ Fish Farm/F☐ Fishing net☐ Others (spec	a Pond	nated protected	area [ [ [ [ [	(m, [m, [m, [m, [m, [m, [m, [m, [m, [m, [	ne se	en Ty:
12. Containment me	asures put in place;		•			
Booms	□ <sub>T1</sub>	rench Dy	ke 🗖 Natural	depression	□ <b>P</b> it	□None
Others:				_	İ	
13. Any pictures or	video coverage?		[Y]	[N]	I	
14. Further respon	se/repair initiated as	s at the time of J	ıv?. [ Y <b>}√</b>	[N]		
If yes to item 14, give brief	í₩€	RUTTURE	ttoSE_1	3 tins	BEEN	
REPLACED BY	CFORE (JIV)	JOINT !	investigat	MG VIS	<u>۱۲</u>	
15. Was there any o		estigation?	[ Y]	[N-1/		

INCID	ENT N	10: <u>143</u>	9209	JIV re	port S/N: N	0000010
If yes to item 15 give bri	ief descript	tion:				,
	No	<b>A</b> TO	-DD1 1	CABL	(- ·	·
	1 10		M T L			
D. TYPE/NUMBERS	OF PRO	PERTIES,IF	ANY, FOUND	WITHIN THE	AREA OF SPREA	D OF OIL
16. Structures / Pro		D	e:	<b>N</b> /		
S/N Type of Structu	ires	Description	Size	Number	Comme	ats
NONE !	11 74	PNA	Q <sub>C</sub> A	7	MPACT	!
1 dolar h	<u> </u>		(~~,	<u> </u>	11 11 01	<del>                                     </del>
17. Crops/Economi	ic Trees					
S/N Type of crops	Young		Medium	Matured	Quantity	Comments .
MAKIC	. 1	LAL	X 00 +	8. t-	IMOX	<del> </del>
14014	र्गा ग	417	TKEA	Ot-	HALL	
18. Fishing Nets/Fi						
S/N Nets/Ponds	De	scription		Quantity/Size	Comments	<del>.                                      </del>
MANCI	1. 7.	l m	100	A 7	BADE	77
14045	VI I I II	44	VKC	4 0	INTA	9
19. Others (Specify	Aie Anir	mel Trans		L	•	<u> </u>
S/N Others		scription		Quantity/Size	Comments	<del>                                     </del>
<b>k</b> 10			1 7		1000	FF
NONE		HIN		<u> </u>	<u>=   X  -4</u>	the first
	Vict	11111	•		<u> </u>	
E. GRAPHIC DESCR					leak point should	be contained in
he leak report, overview NAL VI€Ы	SKEICH OF	ine site snoute	u oe uaaea as a E-2 m . ⊾ . ⊾ i	n appenaix 1) SiG(C	POINT MON	RING (SPM)
					,	1
HOSE 1	umbe	<u> 2 B = </u>	s How inte	* Comple	TE KUPTHE	e of The Hos
•			10-11	ec is Nue	To CEMPI	c.Te
					•	
			KUPTUR	E 0+ +La	ATING HOSE	Ť
•			Numbe	R 13.0F	(Sriny 1.	I
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						1
						I_
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0	3	3			_	ĹΥ
V		BONUT -	ERMINAL	(SPM) F	LOATING HOSE	13
			Page 3 of	B		_

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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)

S/N	Northing WGS-84 LAT.	Easting Was-84 Long.
92	04.17302	007.22949
		•
	,	
	·	
,		•

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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impactNL	<u>.</u>
• Impact within R.O.W NLL	
b. Volume of oil recovered before completion of JIV (V <sub>recl</sub> ):	-
Recovered oil V <sub>rect</sub> :	Barrels
Controlled recovery/evacuation from source with no impact to environment:	<del></del>
NIL Barrels	
	ı
	I
c. Net Estimated Spilled VolumeV <sub>Est</sub> (bbls)* =	
16.5 BARRECS	
Estimated Reported Volume** V <sub>mp</sub> (bbls)= 17 BARKELS.	1
*Notes:  Volume 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:	
* AT THE TIME OF JIV NO VISIBLE IMPACT WITH	
BONNY TORMINAL SINGLE POINT MOORING (SPM) L	FLORTING
Hose 13	
1656 15	
* No Recovery	
* YOLUME ESTIMATED WAS DONE BY ASSET OF	ange.
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 <sup>3</sup> to harrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following and spill volume in excess of 1 bbl is rounded up to the next whole number.	
<ul> <li>Any spill volume in less than - 1 bbl - is rounded up to the next 0.1 bbl.</li> </ul>	•
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 volume estimation; record the Al-Al-alian in a plain should towner on law a the JIV report	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 Resources  DPR :
National Oil Spill Detection and Response Agency [NOSDRA]:
State Ministry of Environment  SME : 15/
• 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

