INCIDENT NO: 1990363 JIV report S/N: 0983

(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: 1990363 2. Type of incident* OIL SPILL
3. Name of Location SINGLE POINT MOORING ONE (SPM 1)
4. Name of nearest community BONNY 5. State: RIVERS 6. LGA BONNY
7. Type of Production facility/Installation O/L AND GAS TERMINAL
8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA (SPAC)/BOGT B. INCIDENT INFORMATION:
9. Details of incident a. Date of incident: 22ND DECEMBER 2017 b. Start date/time of investigation: 29TH DECEMBER 2017/1300HRS c. Investigation End date: 17TH MAY 2018 Actual investigation duration, days: THREE (3) DAYS d. Description of spill point environment
Errm soil
₩Under water □Swampy □Exposed pipe surface
Well Platform (on Water)
Additional observations around the spill point: NOT APPLICABLE
c. Description of leak point (tick as applicable): Drilled hole Complete Rupture Failed Weld-on illegal hot top valve Crude oil theft (illegal bunkering) point, Third party tampering with valve setting Place System/Bund wall failure Valve Failure Corrosion Third party tampering with flange, Relief valve failure Others(specify)
f. Incident caused by: ☐ Third party interference (Sabotage□; crude theft□; Line theft□; Accidental 3 ^{nl} party damage□). ☐ Mystery spills ☐ Others(specify)

LTD

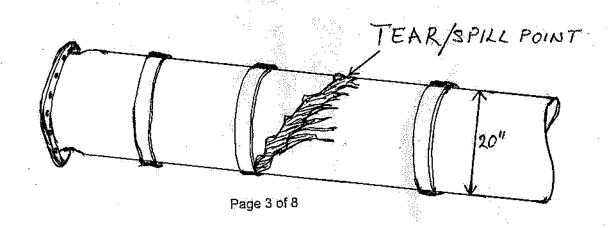
^{*}This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encrogenment f) Fire,

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Northing: LAT	PILL POINT COORDINATE (WGS 84) Easting: LONG.
A-17072	7.22730
KASSESSMENT	
Type of environment:	
□Land □Swamp □Water	Seasonal swamp Shoreline/Waterfront
i. Type of environment to which oil has spread	
□Land □Swamp ✓Water	River (identify)
ii. Weather condition	
□Rain □Sunny □Dry □We	t ☐Windy ☐Hot ☐cool
Distance from the nearest sensitive habitat	
☐ Government reserved and designated protected are ☐ Drinking water source ☐ Built up area	$\begin{bmatrix} & & ,m \\ & & ,m \end{bmatrix} \text{NONE SEEN}$
☐ Farmlands ☐ Fish Farm/pond ☐ Fishing net ☐ Others (specify).	[,m] WITHIN VICINIT
Containment measures put in place;	
Booms Dyke	□Natural depression □Pit □None
Others:	
Any pictures or video coverage?	[N]
Further response/repair initiated as at the time of JIV?	WT [N]
item 14. give brief description:	

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If yes	to item 15 give bri	ef descri	ption:					
*****	MO	T	AP	PLI	CA	BL	_ (
	YPE/NUMBERS 6. Structures / Prop		PERTIES, IF	ANY, FOUND	WITHIN THE	AREA OF	SPREA	O OF OIL
S/N	Type of Struct		Description	Size	Numb	er		Comments
N	DNE W		HIN_	ARE	A OF	1/4	PA	CT
1	7. Crops/Economic	Trees		<u> </u>	<u> </u>		-	
S/N	Type of crops		Young	Medium	Matured	Quan	titv	Comments
		+				1 1 2		
N	ONE W	111	<u> </u>	REP	OF	/M-1	} 	
; j	8. Fishing Nets/Fi	sh Ponds	· ·				· .	
S/N	Nets/Ponds		Descrip	tion	Quantity/Size		Commo	ents
N	DHE W	11	IN A	REA	OF-	IMF	A	
<u> </u>	19. Others (Specify	Vie An	mal Trans	<u> </u>		<u> </u>		12.
S/N	Others	<i>y</i>	Descri	otion	Quantity/Size		Comm	ents
-	ONE W	17#	IN At	REA	OF IN	11/AC		
- '								
	GRAPHIC DESCI The leak report, ove	rview ski	etch of the site :	should be adde	d as an appenaix	NA SE	111	N OF AN
Su	ROZA LINS	CFC	SHOWIN	G OPE	RATIONA	L TEI	4-R	AT BU
67	L AND G	AS -	TERMIN	AL 511	JGLE PL	NIT A	NOOF	ling one



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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	Easting
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JIV AT SIN	GLE POINT MOORING C	ONE (SPM1) AT BONNY
	INCIDENT NUMBER:	1990363
PTS	Х	Υ
652	7.22156	4.17417
653	7.2195	4.17841
654	7.21156	4.18814
655	7.17876	4.21639
656	7.17293	4.22135
657	7.16598	4.22133
658	7.16152	4.22047
659	7.15357	4.21868
660	7.14774	4.21838
661	7.14204	4.21964
662	7.13529	4.22258
663	7.12724	4.22401
664	7.11877	4.22699
665	7.11431	4.23185
666	7.10305	4.23651
667	7.09448	4.2321
668	7.08469	4.22955
669	7.07306	4,22547
670	7.06446	4.22252
671	7.05286	4.22279
672	7.04677	4.22388
673	7.04021	4.22865
674	7.03624	4.2319
675	7.02531	4.23355
676	7.01136	4.24693
677	6.99862	4.24871
678	6.99417	4.25223
679	6.9856	4.25017
680	6.96672	4.23802
681	6.95993	4.23534
682	6.94885	4.23316
683	6.94557	4.21456
684	6.96292	4.20748
685	6.99963	4.19563
686	7.02065	4.19023
687	7.04371	4.18875
688	7.07371	4.18638
689	7.10762	4.19253
690	7,12892	4.19073
691	7.15014	4.17872
692	7.1723	4.17194
693	7.22077	4.17288
694	7.23489	4.17117

0983 INCIDENT NO: 1990363 JIV report S/N:

~	INCOMPANY	TAIRCODAGATTE	TAT.
CY.	INCIDENT	INFORMATIO	JIN:

- a. Impacted Area Details
 - 12903.55 Ha Total calculated area of impact_
 - Impact within R.O.W
 - Impact outside R.O.W
- b. Volume of oil recovered before completion of JIV (VrecJ):

Recovered oil VrecJ: Barrels

Controlled recovery/evacuation from source with no impact to environment:

Barrels 113

Net Estimated Spilled VolumeV_{Est}(bbls)* = 187 BARRELS Estimated Reported Volume** Vrep(bbls)= 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:

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 m³ to barrels is Volume:(m3) 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 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 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

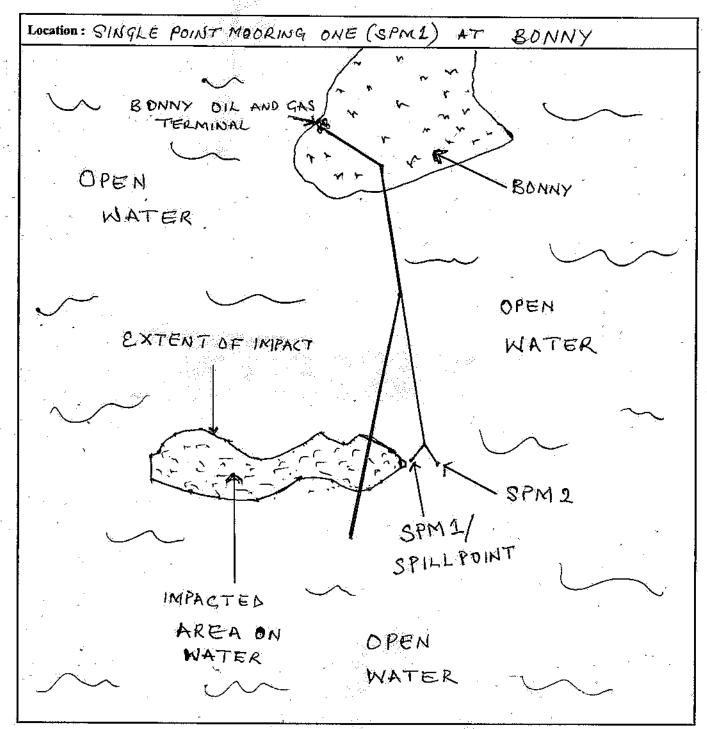
This report was filled, agreed and signed by the following joint investigation team representatives:

- . Host Community.
- Department of Petroleum Resuurces [DPR]:
- National Oil Spill Detection and Response Agency [NOSDRA]: 🗸
- State Ministry of Environment [SME]: □
- Asset Owner
- 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



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g. SIGNATORIES: JOINT INVESTIGATION TEAM MEMBERS

Having read through the JIT report, the following representatives append their respective signatures in agreement with the content therein:

Name	Members present	Designation	Signature/Date and Time
OKON, WILLIAMS	DEPARTMENT OF PETROLEUM RESOURCES (DPR)	REGULATOR.	1607 HRS 11 - 06 - 2018
ANABRABA, TEKENA	NATIONAL OIL SPILL DETECTION AND RESPONSE AGENCY (NOSDRA)	SNIR. ENYTHORMOUTHE SCIENTIST	11-06-2018
	STATE MIN. OF ENVIRONMENT		
ALLISON, SIBNG SUNTU	HOST COMMUNITY REPRESENTATIVE	BECC Member	18 10 1 2018
I KEUM AMAZIONIE	ASSET OWNER REPRESENTATIVE		05/06/2018
	OKON, WILLIAMS ANABRABA, TEKENA ALLISON, SIDNEY SUNTU	OKON, WILLIAMS DEPARTMENT OF PETROLEUM RESOURCES (DPR) ANABRABA, NATIONAL OIL SPILL DETECTION AND RESPONSE AGENCY (NOSDRA) STATE MIN. OF ENVIRONMENT ALLISON, SIDNEY SUNTU HOST COMMUNITY REPRESENTATIVE	DEPARTMENT OF PETROLEUM RESOURCES (DPR) ANABRABA, NATIONAL OIL SPILL DETECTION AND RESPONSE AGENCY (NOSDRA) STATE MIN. OF ENVIRONMENT ALLISON, SIDNEY SUNTY REPRESENTATIVE ACCURATIONAL OIL SPILL BUY (NONDOTAL SCIENCE) HOST COMMUNITY REPRESENTATIVE THERE