JIV report S/N:

Nº 0000159

INCIDENT NO: 1628051

(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: 1628051 2. Type of incident* OIL SPILL MANUFOLD 8" HEADER. 3. Name of Location BAA 5. State: RIVERS 6. LGA EMOHUA. IBAA 4. Name of nearest community 7. Type of Production facility/Installation MATATO 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPONT B. INCIDENT INFORMATION: 9. Details of incident a. Date of incident: 4th MM 2016 b. Start date/time of investigation: 6th MAY 2516 MAY, 2016 Actual investigation duration, days: DNC DAY c. Investigation End date: 67th d. Description of spill point environment ☐Firm soil Loose soil ☐Recently excavated area Under water □ Swampy Exposed pipe surface ☐Well Platform (on Water DrillRig Additional observations around the spill point: AT THE TIME OF INVESTIGATION CRIDE OIL SPILL WAS EBSERVED TO BE CONTAINED WITHIN THE MANIFOLD (I'E SPDC RIGHT OF WAY). e. Description of leak point (tick as applicable); Drilled hole Hack saw cut ☐ Tear (Gomplete Rupture ☐ Inward dent. ☐ Well head tampering Failed Weld-on illegal hot tap valve ☐ Failed Clamp, ☐ Missing Pipeline/Flowline ☐ Crude oil theft (illegal bunkering) point, ☐ Third party tampering with Clamp ☐ Saver-pit over flow Third party tampering with valve setting ☐ Bulging Outward ☐ Third party tampering with flange, Cold vent ☐Flare System/Bund wall failure ☐ Surge vessel overflow. ☐ Valve Failure ☐ Relief valve failure Accidental 3rd party equipment impact ☐Others(specify)_ f. Incident caused by: ☐ Third party interference (Sabotage☐; crude theft☐; Line theft☐; Accidental 3rd party damage☐) **☑**Operational Others (including Mystery spills)____

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

INCIDENT NO: 1628051 JIV	report S/N: Nº 0000159
g. Spill point coordinates	
h. Measuring unit	ļ .
Northing: Easting:	
04.95467 006.	80281
C. RISK ASSESSMENT	
10. Type of environment:	
☑Land ☐Swamp ☐Water ☐Season	nal swamp
i. Type of environment to which oil has spread:	
⊠Land □Swamp □Water □Ri	ver (identify)
ii. Weather condition	
□Rain □Sunny □Dry □Wet □Wind	ty ⊠Hot □cool
11. Distance from the nearest sensitive habitat	
Government reserved and designated protected area Drinking water source Built up area Farmlands Fish Farm/Pond Fishing net Others (specify).	m] Nome Seen mi m
12. Containment measures put in place;	
□Booms □Trench □Dyke □Natura	al depression Pit None
BOTHERS: CONCRETE DRAWNER	
13. Any pictures or video coverage? [Y]	[N]
14. Further response/repair initiated as at the time of JIV? [Y]	/[N]
If yes to item 14, give brief description: RECOVERY WAS INITIATES	D. THE IBAA COMMUNITY
YOUTH AND LEADERSHIP DID NOT ALLOW THE	RECOVERY TEAM TO WORK
15. Was there any disruption to the investigation? [Y]	[N-1/

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If yes to item 15 give brief desc	cription:	()	<u> </u>		
14	01 117	PLICA	BLE.		
D. TYPE/NUMBERS OF PI 16. Structures / Properties	ROPERTIES,IF ANY, FOUN	D WITHIN THE	AREA OF SP	READ OF OIL	
S/N Type of Structures	Description Size	Number	Con	ments	
NONE	MITTEN	ARE	A OF	MPACI	
17. Crops/Economic Trees S/N Type of crops Youn					
S/N Type of crops Youn	g Medium	Matured	Quantity	Comments	
MUNE IN	JIHA A	REA	OF IN	PACI	
18. Fishing Nets/Fish Pone	ds				
S/N Nets/Ponds	Description	Quantity/Size	Comments		
MONE	JITHN A	REA	OF IN	PACT	
19. Others (Specify) i.e. A					
Six Others	Description	Quantity/Size	Comments		
NONE W	ITHIN A	REA	of IN	APACT.	
E. GRAPHIC DESCRIPTION the leak report, overview sketch	N OF LEAK POINT (while of the site should be added as	detail report of the	e leak point sho	ald be contained in	
TIDNKL VIEW OF			HEADER	AT IBAA	Style Color
LBAK DUE	TO (INTERNAL) (Corrosien	WITH SM	· · · · · · · · · · · · · · · · · · ·	• · - · ,
		m Ni Aprile Terr			
. ⊢e	AK IS BUE TO 5m	on symmetric			
Ru	IPTURE CAUSE BY (M (BCHN-)			
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	/		;		•
9	*				
	IBRA MANI	FORD HEND	BC		

INCIDENT NO: 1628051 JIV report S/N: Nº 0000159

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

20. Impacted area boundary Coordinates (If more, Print and attach as an appear	ıdix)
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	An77	. ()	
S/N	Northing	Easting	
	4.95457	6.80283	
	4.95457	6.80279	
	4.95 457	6.80276	
	4.95464	6.80274	
	495 474	6.80287	
	4.95 481	6.802948	
	4.95481	6.80264	1
	4.95 4371	6.802946	
	4.95437	6.80264	
	4.954755	6.802958	
	4.954811	6.803048	•
	495481	6.80296	
	4.95437	6.80309	
	4.95482	6.80263	
	4.95482	6.803048	
<u>. </u>	4.954742	6:802949	
	4954373	6.802957	
	4.954359	6.80309	
	4.954364	6.802629	<u> </u>
			- -
		00	
			-

INCIDENT NO: 1628051 JIV report S/N:	Mº 9000159
G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact 0.50HA Impact within R.O.W 16.5	_
Impact outside R.O.W	1
b. Volume of oil recovered before completion of JIV (V _{recJ}): Recovered oil V _{recJ} : N(L Controlled recovery/evacuation from source with no impact to environment: N(L) Barrels	Barrels
c. Net Estimated Spilled VolumeV _{Est} (bbls)* = 303 · 70 BARRELS ·	
Estimated Reported Volume** Vrep(bbls)= 304 BARKETS.	
*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: Spill WAS SIGNIFICANTLY CONTAINED WITHIN CONCRETE SURFACED NAMIFTID BASE IN CLUDIN INTERNAL PERIMETER DRAWAGES, THERESY LIMITERAL PERIMETER DRAWAGES, THERESY LIMITERAL PERIMETER DRAWAGES, THERESY LIMITERAL PERIMETER DRAWAGES, THERESY LIMITED IN SOIL:	1
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimate Conversion of m ² 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 1 bbl is rounded up to the next whole number.	ion software on site; grules:
 Any spill volume in less than - 1 bbl - is rounded up to the nest 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 be (Deciations) of the AV procedure to use	appropriate steps for

volume estimation; record the calculation in a plain sheet of paper and attach to the AU report.

INCIDENT NO: 1628051 JIV report S/N	Nº 0000159
d. General Status of the site	
i. Joint investigation of the incident site found that there is no residual impact after the initial therefore recommend that the site be closed out	l response and JIT
ii. Investigation of the incident site showed that there is residual impact on site requiring fur	her works
e. Representatives	
This report was filled, agreed and signed by the following joint investigation team repres	entatives:
Host Community:	
Department of Petroleum Resources [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

INCIDENT NO: 162805 (JIV report S/N: Nº 0000159

f. Appendix 1: Overview sketch of the site

