INCIDENT NO: 1504299 JIV report S/N: Nº 0000382 (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: 1504299 2. Type of incident* OIL SPILL 3. Name of Location 6" YOKRI MANIFOLD-1 DISUSED FLOWLINE TO CLUSTER-95 4. Name of nearest community OBOTOBO 5. State: DELTA 6. LGA BURUTU 7. Type of Production facility/Installation FLOW LINE 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA
B. INCIDENT INFORMATION. LIMITED / SWAMP WEST Details of incident OTH OCTOBER, 2015 9. Details of incident b. Start date/time of investigation: 17TH OCTOBER, 2015 AT 1315 HRS c. Investigation End date: 17Th OCTOBER, 2015 Actual investigation duration, days: ONE DAY d. Description of spill point environment Recently excavated area Loose soil ☐ Firm soil Exposed pipe surface **⊠**Swampy ☐Under water DrillRig ☐ Well Platform (on Water Additional observations around the spill point: ON EXCAVATION, THE JOINT INVESTIGATION OBSERVED A 1.5m MISSING LENGTH OF FLOWLINE REMOVED BY UNKNOWN PERSON(S), WITH A 6" ILLEGAL PIPE CONNECTION AT ONE OF THE TWO CUT ENDS. e. Description of leak point (tick as applicable); □-Tear (☐ Hack saw cut Drilled hole ☐ Well head tampering Inward dent, Complete Rupture 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 3rd party equipment impact ☐ Relief valve failure ☐ Valve Failure Others(specify) f. Incident caused by:

Others (including Mystery spills)_____

Operational |

☐ Third party interference (Sabotage□; crude theft☐; Line theft☐; Accidental 3rd party damage□)

^{*}This can be; a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire.

C.

INCIDENT NO: 1504299 JIV report S/N: No 0000382

g. Spill point coordinat	es	00	1011				
h. Measuring unit	h	KIS					
Northing:				Easting:			
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		_		4 .			
Ø.	21 /			- 971	_/_		
	<u> </u>			- 41	<u> </u>		
C. RISK ASSESSMENT	•						
10. Type of environm							
□Land	□Swamp	□wa	ter	Seasonal	swamp	☐ Shoreline	/Waterfront
i. Type of c	environment to wh	nich oil has	s spread:				
□Land	⊠ Swamp		Water	□River	(identify)_		_
ii. Weather	condition						
□Rain	☑Sunny [□Dry	□Wet	□Windy	□Hot	□coo!	
11. Distance from the	nearest sensitive	habitat					
☐ Government☐ Drinking wat☐ Built up area☐ Farmlands☐ Fish Farm/Pc☐ Fishing net☐ Others (speci	ənd	gnated pro	tected area	[,m] ,m] ,m] ,m] ,m]	NONE THE I	WITHIN //CINITY
12. Containment mea	sures put in place:	;		•			
□Booms	□т	rench	□Dyke	Natural de	epression	□Pit	□None
Others:							
13. Any pictures or v	ideo coverage?			(VI)	[N]		
14. Further response	:/repair initiated a	s at the tim	ne of JIV? .	[Y]	[W]		
If yes to item 14, give brief d	escription: M	OT	AP	PLIC	ABI	LE_	
			· +· ···-				
15. Was there any dis	sruption to the inv	estigation'	?	[Y]	NY		

INCIDENT NO: 1504299 JIV report S/N:Nº 0000382
If yes to item 15 give brief description: NOT APPLICABLE.
<u> </u>
D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 16. Structures / Properties
S/N Type of Structures Description Size Number Comments
MONE WITHIN AREA OF IMPACE
17. Crops/Economic Trees
S/N Type of crops Young Medium Matured Quantity Comments
MONG WITHM AREA OF IMPACT
18. Fishing Nets/Fish Ponds S/N Nets/Ponds Description Quantity/Size Comments
110NE WITHMAREA OF MITHE
19. Others (Specify) i.e. Animal Traps S/N Others Description Quantity/Size Comments
KIANE WITHIN AREA DE IMPACT
E. GRAPHIC DESCRIPTION OF LEAK POINT (while detail report of the leak point should be contained in
SECTION OF YOKRI MANIFOLD-1 DISUSED FLOWLINE TO CLUSTER-95 AT OBOTOBO SHOWING; 1.5M MISSING LENGTH OF FLOWLINE AND 6" ILLEGAL PIPE CONNECTION
SHOWING, I.SM MITTING CENTIN OF PROMISE AND & TOCOMO THE CONNECTION
K ABOUT 1.5M (MISSING FLOWLINE) WELDED
FREM MANIFOLD-1 TO CLUSTER-95 6"
MISSING SECTION WELDED
PIPE CONNECTION

INCIDENT NO: 1504299 JIV report S/N: Nº 0000382

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)

		45 84
S/N	Northing	Easting
	5.41841	5.30253
	5.41842	5.30252
	5.41829	5.30252 5.30248
	5.41835	5-30244
	5.41835	5.30239
	5.41832	5.30239
	5.41858	5.30199
	5.41865	5.30192
	5.41867	5.30194
	5.41860	5.30199
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INCIDENT NO: 1504299 JIV report S/N: 9000382

G. INCIDENT INFORMATION:	
a. Impacted Area Details	
 Total calculated area of impact 0.012 kg 	_
Impact within R.O.W	
Impact outside R.O.W TES	_
b. Volume of oil recovered before completion of JIV (V _{recJ}):	
Recovered oil V _{ree} :	Barrels
NIL Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
3.96BBLS	
Estimated Reported Volume** V _{rep} (bbls)= 4- BBLS	
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:	
· NOT APPLICABLE	

Calculation of the respective estimated volume is to be done on site as far as practicable using the new spllt volume estimation software on site: Conversion of at to barrels is Volume (m3) x 6.29: **Round up estimated volume in 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 I bbl is rounded up to the next 0.1 bbl.

Wherever this estimation tool is not applicable please refer to paragraph by Deviations) of the IIV procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of plaper and attach to the IIV report.

INCIDENT NO: 1504299 JIV report S/N: Nº 0000382

d.	General	Status	oſ	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.	IIL bnu
ií.	Investigation of the incident site showed that there is residual impact on site requiring further works	D.

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]: □
- Asset Owner:
 □
- Signatories agree with reported findings: <a>India
- Separate DPR form has been filled out with same findings□

Tick as applicable

INCIDENT NO: 150 42 99 JIV report S/N: 10000362

f. Appendix 1: Overview sketch of the site

