INCIDENT NO: 1449239 JIV report S/N:

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 239 2.Type of incident\* OIL SPILL 1. Spill incident Number: UMARA - ESCRAVOS PIPELINE 4. Name of nearest community OGIDI GBEN 5. State: DELTA 6. LGA WARRI SOUTH-WEST 7. Type of Production facility/Installation OIL PIPELINE 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY
B. INCIDENT INFORMATION: NIGERIA LIMITED / PIPELINE B. INCIDENT INFORMATION: 9. Details of incident 27 TH July 2015 b. Start date/time of investigation: 29th July, 2015 c. Investigation End date: 29th July, 2015 Actual investigation duration, days: ONE DAY d. Description of spill point environment Recently excavated area ☐Firm soil Loose soil **⊠**Swampy Exposed pipe surface ☐Under water DrillRig □Well Platform (on Water Additional observations around the spill point: ON EXCAVATION, A 4" ILLEGAL HOT-TAP VALUE CONNECTED TO A 3" PIPE FITTING WAS OBSERVED WELDED ON THE 20" OTUMARA - ESCRAVOS PIPELINE AT 12 0' CLOCK POSITION. THE LEAK WAS FROM THE 3" PIPE FITTING AND IT WAS OBSERVED TO HAVE STOPPED AS AT THE TIME THE JOINT INVESTIGATION TEAM GOT TO SITE. Description of leak point (tick as applicable); Tear ( Hack saw cut Drilled hole ☐ Well head tampering ☐ Inward dent, Complete Rupture ☐ Failed Clamp. Missing Pipeline/Flowline Failed Weld-on illegal hot tap valve ☑Crude oil theft (illegal bunkering) point, ☐ Saver-pit over flow ☐ Third party tampering with Clamp ☐ Third party tampering with flange, ☐ Bulging Outward ☐ Third party tampering with 'valve setting Cold vent ☐ Surge vessel overflow, ☐ Flare System/Bund wall failure Accidental 3<sup>rd</sup> party equipment impact ☐ Relief valve failure ☐ Valve Failure ☐Others(specify)

f. Incident caused by:

Operational

☐Third party interference (Sabotage☐;crude theft☐; Line theft☐; Accidental 3<sup>rd</sup> party damage☐) Others (including Mystery spills)\_\_\_\_\_

<sup>\*</sup>This can be; a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction c) Encroachment f) Fire,

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(TH	EFT PO	(TMIC				•
g. Spill point coordinates	5		E- DEC	IMAI		
h. Measuring unit WGS 8	<u>4 D</u>			<del></del>		
Northing: LATITU	<u>DE</u>			MGITU	) <u> </u>	
5.558	7-8		5.2	<u>0231</u>		
		·				
C. RISK ASSESSMENT						
10. Type of environment:						
□Land ☑Swam	p □w	/ater	□Seasonal	swamp 🔲	Shoreline/\	Naterfront
i. Type of environmen	t to which oil h	as spread:				
□Land ☑Swan	np 🗀	]Water	□River	(identify)	· · · · · · · · · · · · · · · · · · ·	-
ii. Weather condition						
□Rain ⊠Sunr	ıy 🗆 Dry	□Wet	□Windy	□Hot	□cool	
11. Distance from the nearest ser	sitive habitat					
☐ Government reserved an ☐ Drinking water source ☐ Built up area ☐ Farmlands ☐ Fish Farm/Pond ☐ Fishing net ☐ Others (specify).	d designated pa	rotected area	[ [ [ [	,m] ,m] ,m] ,m] ,m]	VONE THE 1	WITHIN /I CINITY
12. Containment measures put it	ı place;		•			
⊠Booms	Trench	Dyke	□Natural c	lepression	□Pit	□None
Others:	,		•			
13. Any pictures or video covera	ige'?		W	[N]		
14. Further response/repair init	iated as at the t	ime of JIV?	. [Y]	[NY]		
If yes to item 14, give brief description:	REPAIR	2 15	BEING	PLANNE	ED	
					· · ·	
15. Was there any disruption to	the investigation	on?	[Y]	[W]		

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If yes to item 15 give brief description: NOT A	PPLICABLE
D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOU	ND WITHIN THE AREA OF SPREAD OF OIL
S/N Type of Structures   Description   Size	Number Comments
NONE WITHIN	AREA OF IMPACT
17. Crops/Economic Trees	
S/N Type of crops Young Medium	Matured Quantity Comments
NONE WITHIN	AREA OF IMPACT
18. Fishing Nets/Fish Ponds S/N Nets/Ponds Description	Quantity/Size Comments
NONE WITHIN	AREA OF IMPACT
19. Others (Specify) i.e. Animal Traps	
S/N Others Description	Quantity/Size Comments
HONE WITHN	AREA OF IMPACT
E. GRAPHIC DESCRIPTION OF LEAK POINT (while the leak report, overview sketch of the site should be added to	e detail report of the leak point should be contained in is an appendix 1)
4" FAILED ILLEGAL HOT-TAP VALVE	
WELDED AT 12 0' CLOCK	$\delta \hat{\downarrow}^2$
POSITION	
	3" ILLEGAL PIPE FITTING
—————————————————————————————————————	26"
FROM OTUMARA	
20" OTUMARA - ESCRAVOS PI Page 3	PELINE AT DGIDIGBEN

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

S/N	Northing	ates (If more, Print and attach as an appendix)  SRY (DEGREE – DECIMAL)  Easting
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a.	lm	pacted	Area	Details
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•	Total calculated area of impact_	186 m <sup>2</sup>	
•	Impact within R.O.W	YES	
	Impact outside R O W	YES	

b. Volume of oil recovered before completion of JIV (Vreed):

Recovered oil V <sub>reed</sub> :	NIL	Barrels

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

NII_	Barrels
------	---------

c. Net Estimated Spilled VolumeV <sub>Est</sub> (bbls)* =
1.57 BBLS
Estimated Reported Volume** V <sub>rro</sub> (bbls)= 2 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 extinated volume is to be done on site as for as practicable using the new spill volume estimation software on site; Conversion of m' to barrels is Volume (m3) x 6.29; \*\*Round up estimated volume in next whole manber 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.

Wherever this estimation tool is not applicable please refer to paragraph be (Deviations) of the JW procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and attach to the JW 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 Resources [DPR]: □
- 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

