JIV report S/N:

0000078

INCIDENT NO: 1489844

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1489844 2.Type of incident* 01L I. Spill incident Number: 3. Name of Location 14" OKORDIA - RUMUEKPE PIPELINE 4. Name of nearest community KARAMA 5. State: BAYELSA 6. LGA YENAGOA PIPELINE 7. Type of Production facility/Installation 011 HELL PETROLEUM DEVELOPMENT COMPANY NIGERIA LIMITED/PIPELINE 0 F B. INCIDENT INFORMATION: 9. Details of incident Details of incident

a. Date of incident: 12 TH AUGUST, 2015

b. Start date/time of investigation: 21 ST SEPTEMBER, 2015/11:09 HOURS c. Investigation End date 21ST SEPTEMBER Actual investigation duration, days: DNE(1) DAY d. Description of spill point environment Loose soil ☐Firm soil Recently excavated area ☐Under water □Swampy Exposed pipe surface ☐Well Platform (on Water ■DrillRig Additional observations around the spill point: A DITCH DUG BY UNKNOWN PERSON(S) WAS OBSERVED AROUND THE SPILL POINT BY THE JOINT INVESTIGATION TEAM ON ARRIVING SITE. e. Description of leak point (tick as applicable); Hack saw cut ☐Drilled hole ☐ Tear (Complete Rupture ☐ Inward dent, ☐ Well head tampering Failed Weld-on illegal hot tap valve ☐ Failed Clamp, ☐ Missing Pipeline/Flowline ☐Crude oil theft (illegal bunkering) point, ☐ Saver-pit over flow ☐ Third party tampering with Clamp ☐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 b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire.

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15. Was there any disruption to the investigation?

[N]

[Y]

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If yes to item 15 give brief description:
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 O
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
NONE WITHIN AREA OF IMPACT
E. GRAPHIC DESCRIPTION OF LEAK POINT (while detail report of the leak point should be contained in the leak report, overview sketch of the site should be added as an appendix 1)
CECTION OF 14" OKORDIA - RUMUEKPE
PUPELINE AT IKARAMA SHOWING POSITION OF
HACK SAW CUT.
HACK SAW CUT (WITH 80MM LONG EFFECTIVE CUT) BETWEEN 9 AND 11 0' CLOCK POSITION
Page 3 of 8 FROM OKORDIA
(NUMBERIE

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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)

Northing (1 AT CUD 5) Easting (1 AT CUD 5)				
1 TOTALING	CLATRIDE)	(mad(ud)6)		
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	05.14647	006.45906		
	05.1463	006 : 4591		
	05.14653	006.45891		
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		•		
	Northing	Northing (LATRIDE) 05.14657 05.14647 05.1463 05.14653		

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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
• Total calculated area of impact O•020062Hq ≥ 0 • Impact within R.O.W Yes • Impact outside R.O.W No	<u>.</u> 02Ha
b. Volume of oil recovered before completion of JIV (VrecJ):	`
Recovered oil V _{rec.j} :	Barrels
Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* = 2 Stimated Reported Volume** V _{rep} (bbls)= 2 BARRELS	
Z PRINCES	
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	E

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 m^{*} 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 - I 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.

Calculated volume = 0.01 bbl Reported volume = 0.1 bbl

Wherever this estimation tool is not applicable please refer to paragraph be (Deviations) of the AV procedure to use appropriate steps for volume estimation; record the calculation in a plant sheet of paper and attach to the AV 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 a therefore recommend that the site be closed out	nd JIT
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	Q/

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:
- 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

