JIV report S/N:

Nº 0000125

INCIDENT NO: 1658680

(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: 1658680 2.Type of incident* OlL ASSA - RUMUEKPE PIPELINE 4. Name of nearest community OCHIA _____5. State: IMO 6. LGA OHAJI / EGBEMA PIPELINE 7. Type of Production facility/Installation [] \ DEVELOPMENT COMPANY 9. Details of incident a. Date of incident: TH August, 2016/15:02 Hours b. Start date/time of investigation: c. Investigation End date: 9TH August 2016 Actual investigation duration, days: ONE (1) DAY d. Description of spill point environment DFirm soil Recently excavated area Loose soil ☐Under water □Swampy ☐Exposed pipe surface □Well Platform (on Water □ DrillRig Additional observations around the spill point: D N e. Description of leak point (tick as applicable); ☐Drilled hole ☐ Hack saw cut 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. ☐Flare System/Bund wall failure □Cold vent ☐ Surge vessel overflow, ☐ Valve Failure ☐ Relief valve failure Accidental 3rd party equipment impact Others(specify) f. Incident caused by: Third party interference (Sabotage \(\bigcirc\); crude theft\(\Bigcirc\); Line theft\(\Bigcirc\); Accidental 3rd party damage\(\Bigcirc\)) ☐ Operational Others (including Mystery spills)

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

JIV report S/N:

INCIDENT NO: 16.58680 Nº 0000125 g. Spill point coordinates WGS 84 h. Measuring unit Easting: Northing: C. RISK ASSESSMENT 10. Type of environment: □ Water ☐ Shoreline/Waterfront ☐Swamp ☐ Seasonal swamp Type of environment to which oil has spread: Land ■ Water ☐River (identify) ☐Swamp ii. Weather condition **Z**Rain □Wet ☐Windy □ Hot DDTV Sunny 11. Distance from the nearest sensitive habitat Government reserved and designated protected area .ml Drinking water source Built up area Farmlands ☐ Fish Farm/Pond [m, m, ☐ Fishing net Others (specify). PALM TREES 12. Containment measures put in place; □None Trench Dyke ☐ Natural depression □Pit ☐ Booms Dothers: NO FREE PHASE OIL WAS OBSERVED AS SPILL IMPACT ON SITE, [N]13. Any pictures or video coverage? [Y] [N]14. Further response/repair initiated as at the time of JIV? If yes to item 14, give brief description: [N][Y] 15. Was there any disruption to the investigation?

INCIDENT NO: 1658680 JIV report S/N: Nº 0000125 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 Type of Structures Description Size Number Comments 17. Crops/Economic Trees S/N Type of crops Young Medium Matured Quantity Comments 18. Fishing Nets/Fish Ponds S/N Nets/Ponds Description Quantity/Size Comments 19. Others (Specify) i.e. Animal Traps Others Description Quantity/Size Comments 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 I) SECTION OF 18" ASSA - RUMUEK PE PIPELINE AT OCHIA SHOWING BOTH INWARD BENT AND TEAR (MEASURING 320MM, X 240MM) FROM 2 TO INWARD TEAR NWARD DENT DENT PIPELIN COALTAR PIPELINE ENAMEL COAL TAR COATING ENAMEL COATING PIPELINE SURFACE

Page 3 of 8

ASSA TO RUMUEKPE

INCIDENT NO: 1658680 JIV report S/N: Nº 0009125

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

20. Impacted area boundary Coordinates (If gnore, Print and anach as an appendix)

	WUS	84·
S/N	Northing	Easting
	5.312246	6.786832
	5.312244	6·786858
	5.312246 5.312244 5.312217	6.786856
	5-31 2221	6786856 6786828
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INCIDENT NO:_	658680	JIV report S/N:	No	0000125

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a. Impacto	ed Area	Details
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	Total calculated area of impact_	0.0009HA		
•	Impact within R.O.W	YES		
	Impact outside R O W	ND	_	

<u> </u>	(Feca).		
	Recovered oil V _{rec.I} :	1L	Barrels
cc	overy/evacuation from source with no impact to envi	ronment:	

Controlled re

NIL	Barrels
·	· ·

c. Net Estimated Spilled VolumeV _{Est} (bbls)*	0.60	
Estimated Reported Volume** V _{rep} (bbls)=	0.6 BARREL	

*Notes:

Volume estimation was done using an excel based tool, tsee 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:

THE NET ESTIMATED SPILLED VOLUME IS INCLUSIVE OF THE ESTIMATED SPILLED VOLUME CONSUMED BY FIRE (AS EXPLAINED IN THE ATTACHED SPILLED YOLUME ESTIMATION

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 - I bbl - is rounded up to the next whole monber,

Any spill volume in less than - I bbl - is rounded up to the next 0.1 bbl.

Calculated volume = 15.3 bbl ----- Reported volume = 16 bbl Examples: 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 6c (Deviations) of the JIV procedure to use appropriate steps for volume estimation; record the eal addition in a plain sheet of paper and attach to the AU report.

INCIDENT NO: 155 680 JIV report S/N: Nº 0000125

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

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]: 5
- 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: 1658680 JIV report S/N: Nº 0000125

f. Appendix I: Overview sketch of the site

