JIV report S/N:

Nº 0000182

INCIDENT NO: 1677744

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 2.Type of incident\* DIL SPIL! 1. Spill incident Number: \_\_6.LGA\_OHAJI/EGBEMA 5. State: | M \( \) 4. Name of nearest community PELINE 7. Type of Production facility/Installation () | | DEVELOPMENT COMPANY LIMITED/ PIPELINE 9. Details of incident a. Date of incident: 2016 / 13:55 HOURS August, b. Start date/time of investigation: c. Investigation End date: 18 TH AUGUST 2016, Actual investigation duration, days: DNE (1) DAY d. Description of spill point environment Recently excavated area ☐Firm soil Loose soil ☐Under water ☐Swampy ☐Exposed pipe surface DrillRig ☐Well Platform (on Water Additional observations around the spill point: ON AROUND THE SPILL POINT BY UNKNOWN OBSERVED CLOSE TO THE F THE PIPELINE COAL TAR E WERE e. Description of leak point (tick as applicable); ☑Drilled hole ☐ Hack saw cut ☐ Tear ( ☐Complete Rupture Inward dent, ☐ Well head tampering Failed Weld-on illegal hot tap valve ☐ Failed Clamp, ☐ Missing Pipeline/Flowline ☐ Saver-pit over flow ☐Crude oil theft (illegal bunkering) point, ☐ 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 3<sup>rd</sup> party equipment impact □Others(specify) f. Incident caused by: ☐ 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 (e) Encroachment f) Fire,

JIV report S/N: No 190182 INCIDENT NO: g. Spill point coordinates W4S 84 h. Measuring unit Easting: Northing: 006 C. RISK ASSESSMENT 10. Type of environment: ☐ Swamp □Water ☐Shoreline/Waterfront ☐ Seasonal swamp Type of environment to which oil has spread: **Z**Land ☐River (identify) **□**Swamp □Water ii. Weather condition □cool □Wet ☐ Windy □Hot **⊠**Sun⊓v Dry □Rain 11. Distance from the nearest sensitive habitat ☐ Government reserved and designated protected area ,m] m] □ Drinking water source Built up area [m, □ Farmlands ,m) □ Fish Farm/Pond [m, ☐ Fishing net ,m) Others (specify). PALM TREE PLANTATION 12. Containment measures put in place; □ Booms Trench Dyke ☐Natural depression ■None DOTTCH EXCAVATED AROUND SPILL [Y]/[N]13. Any pictures or video coverage? [X] [N] 14. Further response/repair initiated as at the time of JIV? If yes to item 14, give brief description: CARRIED OUT ON THE AFFECTED PIPELINE

[Y]

CLAMPING.

15. Was there any disruption to the investigation?

INCIDENT NO: 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 Number Comments S/N Type of Structures Description Size 18" x 5" MPACTED <u>BLocks</u> 41 102 SANDCRETE X 17. Crops/Economic Trees Comments Medium Matured Quantity S/N | Type of crops Young 18. Fishing Nets/Fish Ponds S/N Nets/Ponds Description Quantity/Size Comments Others (Specify) i.e. Animal Traps Quantity/Size Comments S/N Others 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) 16" EGBEMA - ASSA PIPELINE AT SECTION SHOWING DNE NO. DRILLED HOLE (LEAK POINT) ADJACENT Τо EXISTING CLAMP. EXISTING 16" X 24" PLIDCO SPLIT SLEEVE CLAMP -15 MM PREVIOUSLY INSTALLED BY SPAC ASSET OWNER **DIAMETER** SPDC BRILLED HOLE (LEAK POINT COAL TAR ENAMEL PIPELINE BE - COATING BY UNKNOWN PERSON(S) Page 3 of 8

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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)

	Nu>	<b>84</b> ·
S/N	Northing	Easting
	5.395697	6.789617
	5:395697 5:395709 5:395671 5:395684	6 78 9641
	5:39 567-1	6.789626
-	5.39 5LQ11	6.789649
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G.	INCID	ENT	INFO	RMA	TION:

•	Total calculated area of ir	$\frac{1}{10000000000000000000000000000000000$	4	·
•	Impact within R.O.W	YES		
•	Impact outside R.O.W	NO		
b. <u>Volume</u>	of oil recovered before	completion of JIV (V	real):	
		Recovered oil V <sub>rec.J</sub> :	NII	Barrels
Controlled	recovery/evacuation from	n source with no impo	at to environment:	

Barrels

c. Net Estimated Spilled VolumeV <sub>Est</sub>	1.86	1.86	
Estimated Reported Volume** V <sub>rep</sub> (bbls)=	2	BARRELS	······································

\*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:

IN CONSIDERATION OF THE FIRE INCIDENT THAT ACCOMPANIED THE SPILL, THE NET ESTIMATED SPILLED VOLUME (IN TOTAL) IS INCLUSIVE OF THE ESTIMATED SPILLED VOLUME CONSUMED BY FIRE (AS EXPLAINED IN THE ATTACHED SPILLED VOLUME ESTIMATION DETAILS.

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 -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 be (Deviations) of the AV procedure to use appropriate steps for volume estimation; record the eak ulation in a plain sheet of paper and attach to the AV report

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d. General Status of the s	Ite
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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	and JIT
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]:
- 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

