INCIDENT NO: 1488510 JIV report S/N:

Nº 0000073

(Note: As practicable as possible the AT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 488510 I. Spill incident Number: 2. Type of incident* OlL ADIBAWA 3. Name of Location 4. Name of nearest community KARAMA 5. State: BAYFLSA 6. LGA YENAGOA 7. Type of Production facility/Installation OLL. PETROLEUM DEVELOPMENT COMPANY NIGERIA LIMITED PIPELINE B. INCIDENT INFORMATION: 9. Details of incident Details of incident

a. Date of incident: 4TH SEPTEMBER, 2015

b. Start date/time of investigation: 22ND SEPTEMBER, 2015/10:15 Hours c. Investigation End date 22 No SEPTEMBER Actual investigation duration, days: ONE (1) DAY d. Description of spill point environment Loose soil DFirm soil Recentiy excavated area ☐Under water **□**Swampy Exposed pipe surface Well Platform (on Water ☐ DrillRig Additional observations around the spill point: No FREE-PHASE OIL WAS OBSERVED ON SITE, SOIL IMPACTED ON SITE WAS WITHIN AN APPROXIMATE area of 16m². e. Description of leak point (tick as applicable); Hack saw cut ☐ Tear (Drilled hole Inward dent. Complete Rupture ☐ Well head tampering ☐ 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 ☐ Bulging Outward ☐ Third party tampering with flange, ☐Third party tampering with valve setting ☐Flare System/Bund wall failure □Cold vent ☐ Surge vessel overflow, ☐ Valve Failure ☐ Relief valve failure Accidental 3rd party equipment impact ☐Others(specify)

Others (including Mystery spills)

f. Incident caused by:

☐ Operational

Third party interference (Sabotage (Carude 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,

INCID	ENT NO: L	<u> 188510</u>	JIV repo	ort S/N:	Nº	00000
g. Spill point coordin	ates					
h. Measuring unit		WGS 84	•			
Northing:	(LATITU		Fastians -	Waitus	(3)	
	05-125Y	2 	006	468	7-7	
	05 657	7	Ω6·	47061	1	
	1		1	7561		
C. RISK ASSESSME	NT					
10. Type of environ	ment:					
Land	□Swamp	□Water	Seasonal swa	amp S h	oreline/W	Vaterfront
i. Type o	f environment to wh	nich oil has spread:				
√ Land	□ Swamp	□Water	☐River (ide	entify)		
ii. Weathe	er condition					
□Rain	√Z Sunny I	Dry	□Windy []Hot [cool	
11. Distance from th	e nearest sensitive	habitat				
	ater source Nor a Pond WITHI	gnated protected area NE OBSER N YICINIT	Υ [1,	n] n] n] n] n]		
12. Containment me	asures put in place;	:				
Booms	□т₁	rench Dyke	□Natural depre	ssion 🗀	Pit	None
ØOthers: N	o FREE-PL	iase oil v	vas observ	VED ON	SITE	<u>.</u>
13. Any pictures or			[X]\[N		_	
14. Further respons	se/repair initiated as	at the time of JIV?	. [Y]/ [N]		
If yes to item 14, give brief	description:					
SOURCE OF		STOPPED /	AFTER WHICH	H REPA	irs l	NERE
DONE ON AT	_	_	_			
15. Was there any d			_	1/		

INCIDENT NO: 488510 JIV report S/N: № 0000073 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 Crops/Economic Trees Type of crops Young Medium Matured Quantity Comments 18. Fishing Nets/Fish Ponds 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 1) IION OF 12" ADIBAWA - OKORDIA PIPELINE AT [KARAMA SHOWING POSITION OF HACK SAW CUT. 150M LONG HACKSAW CUT WITH LOOMM LONG EFFECTIVE CUT) FROM 1 To 2 o' CLOCK POSITION

Page 3 of 8

INCIDENT NO: 1488510 JIV report S/N: Nº 0000073

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) WGSB4

		MASO	***
S/N	Northing	LATITUDE WYS B	Easting LONG TUDE
		5-16578	6.47059
		5.16578 5.1658 5.16577 5.16575	6·47059 6·47062 6·47064 6·47061
'		5.16577	6.47064
		5.16575	6.4706
	 		3 7 701
	 		
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INCIDENT NO: 1488510 JIV report S/N: 10 0000073

Total calculated area of impact Impact within R.O.W Impact within R.O.W Impact outside R.O.W Volume of oil recovered before completion of JIV (VreeJ): Recovered oil VreeJ: Recovered oil VreeJ: Recovered oil VreeJ: Barrels Controlled recovery/evacuation from source with no impact to environment: Barrels Net Estimated Spilled VolumeVEs(bbls)* = 0.99 Indicated Reported Volume** Vree(bbls)* I BARREL Folume estimation was done using an excel based took/see attached for details on the calculation) Reported spilled volume is an estimate Frite other relevant notes taken into consideration for estimating the spilled in the bax below: APPLICABLE	• Impact within R.O.W NO Impact outside R.O.W NO Impact outside R.O.W NO Impact outside R.O.W NO Impact outside R.O.W NO Impact outside R.O.W NO Impact outside R.O.W NO Impact outside R.O.W NO Recovered oil V _{rect} : NIL Barrels Impact outside R.O.W NO Impact outside R.O.W NO Barrels Barrels Barrels Impact outside R.O.W NO Impact outside R.O.W NO Barrels Barrels Impact outside R.O.W NO Impact outside R.O.W NO Barrels Barrels Impact outside R.O.W NO Impact		Area Details	60001C11	
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Recovered oil V _{recJ} : Recovered oil V _{recJ} : Nontrolled recovery/evacuation from source with no impact to environment: Barrels Net Estimated Spilled VolumeV _{Est} (bbls)* = 0.99 ated Reported Volume** V _{rec} (bbls)= Volume estimation was done using an excel based tool, (see attached for details on the calculation) Reported spilled volume is an estimate rite other relevant notes taken into consideration for estimating the spilled in the bax below:	Recovered oil V _{recJ} : Recovered oil V _{recJ} : Barrels	• 1	mpact within R.O.W	· · · · · · · · · · · · · · · · · · ·	
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Reported spilled volume is an estimate ite other relevant notes taken into consideration for estimating the spilled in the box below:	eported spilled volume is an estimate ther relevant notes taken into consideration for estimating the spilled in the box below:	ited Report			·
ite other relevant notes taken into consideration for estimating the spilled in the box below:	ther relevant notes taken into consideration for estimating the spilled in the box below:	ated Report			····
NOT APPLICABLE	NOT APPLICABLE	Volume estin	ed Volume** V _{rep} (bbls)= uotion was done using an excel i	1 BARREL	·
NOT APPLICABLE	NOI APPLICABLE	Volume estin Reported spi	ed Volume** V _{rep} (bbls)= uation was done using an excel it	BARREL based tool, (see attached for details on the calculation)	· · · · · · · · · · · · · · · · · · ·
MITLICABLE	MOTATION	Volume estin Reported spi	ed Volume** V _{rep} (bbls)= uation was done using an excel i tled volume is an estimate ut notes taken into consideration	based tool (see attached for details on the calculation) in for estimating the spilled in the bay below:	· · · · · · · · · · · · · · · · · · ·
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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) v 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 1 bbl is rounded up to the next 0.1 bbl.

Examples: Calculated volume = 15.3 bbt ------ Repured volume = 16 bbf

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 reter to paragraph 6c (Deviations) of the AU procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and arcs, h to the AU report.

INCIDENT NO: 1488510 JIV report S/N: Nº 0000073

d. General Status of the sit	d.	General	Status	of the	site
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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	ind JIT
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	N/

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

INCIDENT NO: 1488510 JIV report S/N: № 0000073

f. Appendix 1: Overview sketch of the site

