INCIDENT NO: 1408364 JIV report S/N:

Nº honona

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1. Spill incident Number: 1408364 2. Type of incident* OIL SPIL 2 AND FIRE 3. Name of Location 28" Nkpoku - Borau PIPELINE

KPO GHOR

4. Name of nearest community AND GIO 5. State: KIVERS 6. LGA 1A1 7. Type of Production facility/Installation OIL PIPELINE PIPELINE **B. INCIDENT INFORMATION:** 9. Details of incident
a. Date of incident: 28 MAY, 2015 b. Start date/time of investigation: 29th NAY, 2015 / 12:50 PM. c. Investigation End date: 29 MAY, 2015 Actual investigation duration, days: ONE (1) DAY. d. Description of spill point environment Recently excavated area Firm soil ☐Loose soil Exposed pipe surface Under water **□**Swampy ☐Well Platform (on Water □ DriffRig Additional observations around the spill point: DURING THE JOINT INVESTIGATION VISIT THE TEAM MOTICED THAT EFFECTIVE PART OF HACK SAW CUT WAS PL466PD · e. Description of leak point (tick as applicable); ☐ Tear (Hack saw cut ☐Drilled hole ☐ Well head tampering ☐ Inward dent, Complete Rupture ☐ Missing Pipeline/Flowline ☐ Failed Clamp. Failed Weld-on illegal hot tap valve ☐ Saver-pit over flow ☐ Third party tampering with Clamp ☐Crude oil theft (illegal bunkering) point, ☐ Bulging Outward ☐ Third party tampering with flange, Third party tampering with valve setting ☐ Surge vessel overflow. Cold vent ☐Flare System/Bund wall failure Accidental 3rd party equipment impact Relief valve failure ☐ Valve Failure Others(specify) f. Incident caused by: N☐ Third party interference (Sabotage ☐; crude theft ☐; Line theft ☐; Accidental 3rd party damage ☐)

Others (including Mystery spills)

Operational

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

INCIE)ENT NO: <u>)¹</u>	+08364	JIV r	eport S/	N: N	2 000000
g. Spill point coordi	nates	(
h. Measuring unit. Northing: L	AT LIVE	45 84	Facting: 1	ONUITU	N E 7	
Northing.	willianc]		Lasting.			
. 4	1.7101281	0	7.234	12155		
			<u>-</u>		7	
				$- \angle$		
. RISK ASSESSME	NT			-		
10. Type of environ	nment:	·				
Land	□ Swamp	□Water	□Season	al swamp	Shoreline	/Waterfront
i. Type o	of environment to w	hich oil has spread:				
Land	Swamp	₩ater		er (identify)		
	•	to water		ci (ideniiiy)_		_
<u></u>	ner condition		_	_		
□Rain	•	D ory □Wet	□Windy	y	□cool	
11. Distance from	the nearest sensitive	habitat				
☐ Governme ☐ Drinking v ☐ Built up ar ☐ Farmlands ☐ Fish Farm ☐ Fishing ne ☐ Others (sp	vater source rea Work Pond Willia	gnated protected are SEM IN VICIA	r	[m, [m, [m, [m, [m,		
12. Containment m	easures put in place	;	•		_	
Booms	□т	rench Dyke	□Natural	depression	Pit	None
Others:			•			
13. Any pictures of	r video coverage?		W	[N]		
14. Further respon	nse/repair initiated a	s at the time of JIV?	LY	[N]		
yes to item 14, give brie	f description:	overy act	<u>ัพเกิษ</u>	ONG C	mg.	
(EPAIX Inlo)	RIC WAS	Done B	CLAN	7PING	•	
15. Was there any	disruption to the inv	restigation?	[Y]	LHT		

D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL

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If yes to item 15 give brief description:

16. Structures / Properties S/N Type of Structures Size Number **Comments** Description 17. Crops/Economic Trees Quantity Medium Matured **Comments** S/N Type of crops Young IMPACION BY BAN DOD THE Fewl SPILL AND BUDGET BY FIRE. 18. Fishing Nets/Fish Ponds Quantity/Size Comments Nets/Ponds Description 19. Others (Specify) i.e. Animal Traps Quantity/Size **Comments** S/N Others Description E. GRAPHIC DESCRIPTION OF LEAK POINT (while detail report of the leak point should be contained in Sterion of 28" MKPOKU - BONGU PIPELINE AT KPOGHOR MID GIO SHOWING 2022110 HACK SAW EVE EXISTING 27 CM LONG WITH 10 cm effective, 28" FROM NKPOKU TO BOTHU.

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

20. Impacted area boundary Coordinate (M more, Printend attach as an appendix)

S/N	Northing [LATITUDE]	Easting LON41 TUDE
	4.7102	7.23414
	471013	7.23409
٠	4.710	7·23409 7·23406
	4 70995	7·23 415 7·23 43
	4.71007	7 23 43
	471007	7.23425
	471002	7.23431
	47100385	7.2342759
	47099	7.23427
	4·70993 471014	7·23423 7·23437
	471014	7 23 437
	471036	7.2342
<u>-</u>		7
·		
•		
- N-1		
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	1	

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INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact O.09HA	
• Impact within R.O.W	_
Impact outside R.O.W	_
b. Volume of oil recovered before completion of JIV (Vreed):	
Recovered oil V _{recI} : 10	Barrels
Controlled recovery/evacuation from source with no impact to environment: Barrels Barrels	
	·
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
14.62 BARRELS	
stimated Reported Volume** Vreg(bbls)= 15 BARRELS	
iotes: Volume estimation was done using an excel based tool, (see grached for details on the calculation) Reported spilled volume is an estimate	
Write other relevant notes taken into consideration for estimating the spilled in the base below: IN CONSIDERATION OF THE FIRE INCIDENT ACCOMPANYING THE NET ESTIMATED SPILL VOLUME IS INCLUSIVE OF ESTIMATED SPILL VOLUME CONSUMED BY FIRE AT EX IN THE ATTACHED SPILLED VOLUME ESTIMATION I	117 5
IN THE MITACHED SPIRITED TO THE POST OF TH	3-71-71
deulation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estim- inversion of m ³ to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the follows • Any spill volume in excess of -1 bbl - is rounded up to the next whole number.	ation software on site; ing rules:
Any spill volume in less than I libl is rounded up to the next 0.1 libl.	
Examples: Calculated volume = 15.3 bhl Reported volume = 16 bhl Calculated volume = 0.35 bhl Reported volume = 0.4 bbl Calculated volume = 0.01 bhl Reported volume = 0.1 bbl	

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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 :
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

