INCIDENT NO: 1974218 JIV report S/N: 0916

(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: 1974218 2.Type of incident* DIL 3. Name of Location 20" KOLO CREEK - RUMUEKPE PIPELINE 4. Name of nearest community ODAU _____5. State: RIVERS 6. LGA ABUA/ODUAL 7. Type of Production facility/Installation DIL PIPELINE PETROLEUM DEVELOPMENT COMPANY LIMITED / PIPELINE B. INCIDENT INFORMATION: 9. Details of incident b. Start date/time of investigation: 30TH November, 2017/10:40 Hours c. Investigation End date: 2ND DECEMBER Actual investigation duration, days: Two (2) DAYS
d. Description of spill point environment ☐Firm soil Loose soil Recently excavated area ☐Under water □ Swampy ☐Exposed pipe surface Dwell Platform (on Water) Drill Rig Additional observations around the spill point: AN ILLE GAL OBSERVED RUNNING FROM THE SPILL SURROUNDING FOREST. e. Description of leak point (tick as applicable); □Drilled-hole □ Hack saw cut Tear (Complete Rupture ☐ Inward dent. ☐ Well head tampering Pailed 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 ☐ Corrosion Others(specify)_

f. Incident caused by:

☐ Third party interference (Sabotage□; crude theff☐; Line theft□; Accidental 3rd party damage□)

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

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g. Spill point coordinates h. Measuring unit Northing: Easting: LONGITUDE ATITYDE -93809 6.49927 C. RISK ASSESSMENT 10. Type of environment: **Z**Land Swamp □Water ☐ Seasonal swamp ☐ Shoreline/Waterfront Type of environment to which oil has spread: Land Swamp □Water ☐ River (identify)_ ii. Weather condition Rain Sunny Dry ☐ Wet ☐ Windy □Hot Cool 11. Distance from the nearest sensitive habitat □ Government reserved and designated protected area ,m] □ Drinking water source NONE OBSERVED [m, ☐ Built up area ,m] WITHIN □ Farmlands ,m] ☐ Fish Farm/pond ,ող □ Fishing net [m, □ Others (specify). 12. Containment measures put in place; Natural depression Booms Dyke □Pit □ None Trench Others: 13. Any pictures or video coverage? [N]14. Further response/repair initiated as at the time of JIV? [Y]/[N]if yes to item 14, give brief description: WAS DONE TEMPORARILY BY BLIND-FLANGING AND RESTRICTION AT THE CRUDE THEFT POINT, DIL 15. Was there any disruption to the investigation? [N][Y]

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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 17. Crops/Economic Trees S/N Type of crops Young Medium Matured Quantity Comments
17. Crops/Economic Trees
NONE VITHIN AREA OF IMPACE
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
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) OBSE OBSE
JIV COMMENCEM
SECTION OF 20"
PIPELINE (DIN) AT COMMUEKPE
SHOWING COLDINI ODAU
Page 3 of 8 Page 3 of 8
BY UNKNOWN PERSON(S)
4" VALVE

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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)

	WGS	<u> </u>
S/N		Easting LONGITUDE
	4.93831	6-49925
_	4.93831	6-49923
	4.93855	6.49924
	4.93869	6.49923
	4 - 93847	c. 49962
_	4.93872	6. 49942
	4-93887	6.49957
	4.93885	6-4997
	4.9390	6.49925
	4.93868	6.49985
·	4.9381	6.49966
	4.93808	6-49966
	4.93807	6.49958
	4 - 93799	6.49938
	4.93802	6 499 25
	4 93802	6.49905
	4 · 93805	6 · 49904
	4.93867	6-49904
	4- 93811	6.49919
	4 93836	6 49957
	4. 93901	6-49923
	4 93899	6. 49923
	4.93899	6-49925
	4.93848	6 49908

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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact O - 4268+A VES	
Impact within R.O.W	
b. Volume of oil recovered before completion of JIV (Vreed):	_
Recovered oil V _{reed} :	Barrels
Controlled recovery/evacuation from source with no impact to environment: NIL Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* = 30.64	
Estimated Reported Volume** V _{reu} (bbls)= 31 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: APPLICABLE	
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimated conversion of m' to barrels is Volume:(m3) x 6.29: **Round up estimated volume to next whole number using the follow. • Any spill volume in excess of 1 bbl is rounded up to the next whole number:	ition software on site: ng rules:
 Any spill volume in less than I bbl is rounded up to the next 0.1 bbl. 	
Examples: Calculated volume = 15.3 bbl Reported volume = 16 bbl 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 6e (Deviations) of the JIV procedure to use appropriate steps for a volume estimation: record the calculation in a plain sheet of paper and attach to the JIV report.

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d. General Status of the si	unc sin	erai Status	Generai	u.
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- 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 Resuurces [DPR]:
- National Oil Spill Detection and Response Agency [NOSDRA]:
- State Ministry of Environment [SME]:
- Asset Owner:

 ✓
- Signatories agree with reported findings: \square
- 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

