INCIDENT NO: 2068083 JIV report S/N: 1035

Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties)
GENERAL INFORMATION:
Spill incident Number: 2068083 2.Type of incident* OK SPKL
Name of Location 16" EGBEMA - ASSA PIPELINE
Name of nearest community EKUGBA 5. State: INO 6. LGA OHAJI/EGBEMA
Type of Production facility/Instaffation OIL PIPELINE
Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGER LTD (SPDC)/PIPELINE INCIDENT INFORMATION:
Details of incident a. Date of incident: 29TH APRIL 2018 b. Start date/time of investigation: 4TH MAY 2018/1000HRS c. Investigation End date: 5TH MAY 2018 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 □ Well Platform (on Water) □ Drill Rig
Additional observations around the spill point: THE TEAM OBSERVED A ST MALVE CRUBE THEFT POINT INSTALLED AT 12 0'CLOCK POSITIONS.
e. Description of leak point (tick as applicable); Drilled hole Complete Rupture Inward dent, Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point, Third party tampering with valve setting Flare System/Bund wall failure Valve Failure Corrosion Tear (
f. Incident caused by: ☐Third party interference (Sabotage□; crude theft☑; Line theft☐; Accidental 3 rd party damage□) ☐Operational ☐ Mystery spills ☐ Others(specify)

^{*}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: LONG 174BE Easting: 5.49115N 6.75559E C. RISK ASSESSMENT 10. Type of environment: Land Swamp □Water ☐ Seasonal swamp ☐ Shoreline/Waterfront i, Type of environment to which oil has spread: Land Swamp ☐ Water ☐River (identify)_ ii. Weather condition Sunny Rain $\sqrt{2}$ 6 $r_{\rm V}$ ☐ Wet" □Windy □Hot Cool 11. Distance from the nearest sensitive habitat □ Government reserved and designated protected area □ Drinking water source ,m] D Built up area [m, □ Farmlands m☐ Fish Farm/pond m] ☐ Fishing net Others (specify). 12. Containment measures put in place; Natural depression Booms Dyke Trench Pit □None Others: 13. Any pictures or video coverage? 14. Further response/repair initiated as at the time of JIV? (N]if yes to item 14, give brief description: REPAIR ВY CLAM PING 15. Was there any disruption to the investigation? UY! [N]

INCIDENT NO: 2668 083 JIV report S/N: 1036 If yes to item 15 give brief description: COMMUNITY YOUTH DID NOT ALLOW HOST WORK TO 90 ON UNTIL THEY ARE SETTLED. D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 16. Structures / Properties Type of Structures Description Size Comments S/N Number 17. Crops/Economic Trees Quantity Medium Matured Type of crops Young Comments 18. Fishing Nets/Fish Ponds Nets/Ponds Description Quantity/Size Comments 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 the leak report, overview sketch of the site should be added as an appendix I) A SECTION OF 16" EGREMA - ASSA PIPELINE AT EKUGBA SHOWING 3" INSTALLED AT 12 OCLOCK VALVE CRUDE THEFT POINT **8**У UNKNOWN PERSONS POSITION SPILL POINT 3" PIPE -3" VALVE WISTALLED AT 12 0 CLOCK POSITION

ASSA

TO

EGBEMA

16"

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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)

S/N	Northing LATITUDE	Easting Let (1 Tupe
1-	5.49125	6 75561
2.	5.49119	6.75961
3-	5.49113	6.75560
4.	5.49115	6.75557
5.	5·49115 5·49116	6.75556
6.	5.49118	6.75558
7.	5.49123	6. 75558
8	549124	6.75559
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1036

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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact 0.00415 Hq	_
Impact within R.O.W	
Impact outside R.O.W	_
b. Volume of oil recovered before completion of JIV (V _{recJ}): Recovered oil V _{recJ} :	Barrels
Controlled recovery/evacuation from source with no impact to environment:	•
N/L Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
1.31 BARRELS	
Estimated Reported Volume** Vren(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:	

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 Calculated volume = 0.35 bbl ----- Reported volume = 0.4 bbl Examples: Calculated volume = 0.01 bbl ----- Reported volume = 0.1 bbl

Wherever this estimation tool is not applicable please refer to paragraph be (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	sit
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- Joint investigation of the incident site found that there is no residual impact after the initial response and IIT 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]: 1
- 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 finding

Tick as applicable

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f. Appendix 1: Overview sketch of the site

