INCIDENT NO: 1784118 JIV report S/N: Nº 0000227

| (Note: As practicable as possible the JIT report is to | be s ign ed in the field by all t | he participating parties) |
|--|--|---|
| A. GENERAL INFORMATION: | | |
| 1. Spill incident Number: 1784118 | 2.Type of incident* | OIL SPILL |
| 3. Name of Location SOKU WELL | 21 L FLOY | NLINE |
| 4. Name of nearest community RUSSIA (SOKU | 5. State: <u>RIVERS</u> 6 | . LGA <u>AKUKU-</u> ToRU |
| 7. Type of Production facility/Installation 011 | FLOWLINE | |
| 8. Asset owner/District THE SHELL POF NIGERIA B. INCIDENT INFORMATION: | ETROLEUM DE LIMITED / SW | VELOPMENT COMPANY JAMP EAST |
| 9. Details of incident a. Date of incident: b. Start date/time of investigation: c. Investigation End date: d. Description of spill point environment 201 | Actual investigation durat | 7 / 15:00 Hours tion, days: DNE (1) DAY |
| ☐Firm soil | soil 📈 | Recently excavated area |
| □Under water ✓Swamp | y C | Exposed pipe surface |
| ■ Well Platform (on Water ■ DrillRig | g | |
| Additional observations around the spill point: WITHIN A TRENCH EXC | THE SPILL F AVATED BY UN | POINT WAS OBSERVED IKNOWN PERSON(s), |
| e. Description of leak point (tick as applicable); Drilled hole Complete Rupture 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 Others(specify) f. Incident caused by: | Hack saw cut Inward dent, Failed Clamp, Saver-pit over flow Bulging Outward Cold vent Relief valve failure | ☐ Tear (|
| ☐ Third party interference (Sabotage D:crude | | ental 3 rd party damage□) |

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

| | INCIDEN | NT NO: | 784118 | JIV re | eport S/N | . No | 099022 |
|-----------------|---|--------------------|---------------------|--------------|--|-------------|------------|
| g. Spill | point coordinates | | | | | | |
| | suring unit iorthing: | LAT | ! 84) | Easting: | LONG. | | |
| - | 4.65 | 5994 | | 6.6 | 39939 | | |
| | | | | | | | |
| C. RISK A | SSESSMENT | | | | | | |
| 10. Ty | pe of environmen | nt: | | | | | |
| | Land | ✓ Swamp | □Water | ☐ Seasona | ıl swamp | Shoreline/\ | Vaterfront |
| | i. Type of en | vironment to wh | ich oil has spread: | | | | |
| | Land | √ Swamp | Water | Rive | er (identify) | | - |
| i | ii. • Weather c | ondition | • | | | | |
| |]Rain | □Sunny □ | Dry □Wet | Windy | Hot | □cool | |
| 11. D is | stance from the n | earest sensitive l | nabitat | | | | |
| 0 0 0 | Drinking water Built up area Farmlands Fish Farm/Pone | source | nated protected are | [[[| [m, [m, [m, [m, [m, [m, | CTED ! | BY SPILE |
| 12. Co | ntainment measu | res put in place; | | | | | |
| | Booms | √ Tr | ench Dyke | □Natural o | depression | □Pit | None |
| | Others: | | | | | | |
| 13. An | y pictures or vid | eo coverage? | | [Y] / | [N] | | |
| 14. F | urther response/r | epair initiated as | at the time of JIV? | . [Y] | [N] | | |
| If yes to item | 14, give brief desc | AP | PLIC | ABL | E | | |
| 15. Wa | as there any disru | ption to the inve | stigation? | [Y] | [N] | | |

If yes to item 15 give brief description:

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| N | OT | | APPL | _1CA1 | BLE | | | |
|----------------------|------------------------------------|---------------|--------------------|-----------------|---|---|---------------------|---------------|
| | TYPE/NUMBERS 16. Structures / Pro | | OPERTIES,IF | ANY, FOUND | WITHIN THE | E AREA O | F SPREAD OF O | IL |
| S/N | Type of Structi | ıres | Description | Size | Number | | Comments | |
| N | ONE | W | THIN | ARE | A 0 | F | 4PACT | |
| | 17. Crops/Econom | | | | | | | |
| S/N | Type of crops | Youn | S | Medium | Matured | Quanti | | |
| - | MANGROVE VEGETATION | | | | _ | ADED | IN AN WIT | HIN . |
| | PRETAIL | | | | | APPROY | AM1 LATAME | _ |
| | | | | | | 0.06 | Ha. ARE | A |
| | 10 Finting Nt.4-75 | -1- D | 1_ | | | | | |
| S/N | 18. Fishing Nets/Fi Nets/Ponds | | IS Description | Т. | Quantity/Size | Commen | ts. | |
| 20/14 | Nets/Folids | | Description | <u>_</u> | Quantity/Size | Commen | 15 | |
| | ONE | ١٨ | HTHIN | ı Ak | FA (|)F | MPACT | - |
| | VIAL | V N | | 4 , 11, | <u> </u> | , | 1711101 | |
| | 19. Others (Specify | | - | | | Τ_ | | |
| S/N | Others | | Description | • | Quantity/Size | Comme | nts | |
| K 1 | A115 | 1. | | A nt | - 1 | - 1 | TOAGL | |
| $\Box H \mathcal{A}$ | T)NI | M | HIN | FIKE | <u> </u> | ' | MYACI | |
| | 1011 | 7 | | | | | | |
| | RAPHIC DESCR | | | | | he leak poji | nt should be contai | ined in |
| ~ the to | eak report, overviev | v sketch — | of the site should | i be aaaea as a | n appenaix () | | - > 4 > | |
| > E C | TION (|)F | Soku | WELL | _ 21·L | _ +1_1 | OM LINE | E A [|
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| λ + | 9 0' CL | OCV | PACT | THON | | | | |
| H I | 90 6 | UCN | . 1051 | | • | | | |
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| | 1 | | | | (WITH EFFECT | 70 MM | LONG | / IF |
| <u>"</u> | λ | | | | EFFECT | LIVE C | uT) / | \ ^ |
| _ | <i>[</i>] | | | - | | | - 1 | \ |
| \ | U | | | | | | | <i>J</i> |
| | | | | ····· | To a h | 4 50 | / 11 34151 | - |
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| | | | | | To S | OKII T | LOW STAT | TioN |
| | | | | Page 3 of 8 | 3 ,5 | Jona I | 2017 017 | |

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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)

| | 8 2 N N | THE STATE OF THE S |
|----------|---|--|
| S/N | Northing 47. | Easting Long. |
| 1- | 4.656174 | 6.639654 |
| 2. | 4.655751 | 6.639977 |
| 3. | 4.656174 4.655751 4.656082 | 6-640341 |
| 4. | 4.656983 4.65725 . 4.657687 4.656808 | 6.642319 |
| \ S. | 4.65725 | 6.642319 |
| G. 7. | . 4. 65 7687 | 6.641981 |
| 7. | 4.656808 | 6.640754 |
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| G. INCIDENT INFORMATION: | |
|--|---------|
| a. Impacted Area Details | |
| Total calculated area of impact Impact within R.O.W Impact outside R.O.W Impact outside R.O.W | |
| b. Volume of oil recovered before completion of JIV (V _{rec.J}): | |
| Recovered oil V _{recf} : | Barrels |
| Controlled recovery/evacuation from source with no impact to environment: | |
| | |
| | |
| c. Net Estimated Spilled VolumeV _{Est} (bbls)* = 0.59 | |
| | |
| Estimated Reported Volume** V _{rep} (bbls)= 0 4 QAP DE1 | |
| Estimated Reported Volume** V _{rep} (bbls)= 0.6 BARREL | |
| *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 bax below: | |
| NOT APPLICABLE | |
| | |
| | |
| | |
| | |
| | i |

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 road is not applicable please reter to paragraph 6c (Deviations) of the JIV procedure to use appropriate steps for volume estimation; record the eal, ulotion in a plain sheer of paper and and h to the JIV report

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| d. Gei | neral | Status | of ' | the | site |
|--------|-------|--------|------|-----|------|
|--------|-------|--------|------|-----|------|

| 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 | md 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

