INCIDENT NO: 1483495 JIV report S/N: Nº 0000057 (Note: As practicable as possible the AT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1. Spill incident Number: 1483495 2. Type of incident* 01L SP1LL 3. Name of Location 28" BOMY - BONNY PIPELINE 4. Name of mearest community BODD WEST 5. State: RIVERS 6. LGA GOKANA 7. Type of Production facility/Installation OIL PIFELIME SPAC / PIPELINE. R. INCIDENT INFORMATION: Details of incident 10 TH SEPTEMBER, 2015 9. Details of incident b. Start date/time of investigation: 13Th SETTEMBER, 2015/12:50 PM. E. Investigation End date: 13 TH SEPTEMBER 2 OCTUBE investigation duration, days: ONE (1) DAY. d. Description of spill point environment Recently excavated area D'Firm soil Loose soil **W**Swampy ☐Under water DExposed pipe surface Well Platform (on Water □ DrillRig Additional observations around the spill point: ON ARRIVAL AT SIE THE JOINT IMNESTIGATION TEAM OBSERVED BUND WALL AROUND THE SPILL POINT. 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 Weld-on illegal hot tap valve ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Third party tampering with Clamp Crude oil theft (illegal bunkering) point, ☐ Third party tampering with flange, ☐ Bulging Outward Third party tampering with valve setting

Cold vent

☐ Relief valve failure

☐ Surge vessel overflow,

Accidental 3rd party equipment impact

Others (including Mystery spills)

☐Flare System/Bund wall failure

☐ Valve Failure
☐Others(specify)

f. Incident caused by:

☐ Operational

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

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

| INCIDENT NO: 1483495 | JIV report S/N: | Nº 0000057 |
|---|-----------------------|--|
| g. Spill point coordinates | is 84 | |
| n. Measuring una | Easting: (LONGITU | (2) |
| Northing: (LATITUDE) | | |
| 4.58362 | 7.2560 | 4 |
| | | |
| | | |
| | | |
| C. RISK ASSESSMENT | | |
| 10. Type of environment: Land | ☐Seasonal swamp ☐Sh | oreline/Waterfront |
| i. Type of environment to which oil has spread: | | |
| □Land □Swamp □Water | River (identify) | |
| ii. Weather condition | | |
| ⊠Rain □Sumny □Dry □Wee | t □Windy □Hot □ | I cool |
| 11. Distance from the nearest sensitive habitat | | |
| □ Government reserved and designated protected are □ Drinking water source □ Built up area □ Farmlands □ Fish Farm/Pond □ Fishing net □ Others (specify). | f _m.l | |
| 12. Containment measures put in place; | - | |
| Booms DTrench Dyke | □Natural depression □ | □Pit □None |
| Pothers: BUND WALL | • | |
| 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: RECOVERY ACTIVITY | ts AND REPAY | R HIORK |
| ARE ON GOING. | | |
| 15. Was there any disruption to the investigation? | [Y] [W] | |

| | INCI | DENT NO:_/ | 4834 | <u>75</u> JIV re | sport S/N | : N | 57 |
|--|---------------------------------|---|---|----------------------------------|---|---|-------------|
| If yes | to item 15 give b | rief description: | • | | · | | |
| * | 106 | -11111 | V V 1 | | <u> </u> | | _ |
| $\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ | 10) / | 1 <i>PYL</i> ((| MBL | t | | - | |
| | | S OF PROPERTIE | ES,IF ANY, FOU | ND WITHIN THE | E AREA OF S | PREAD OF OIL | |
| S/N | 6. Structures / Pr | | tion Size | Number | | omments | \neg |
| - CM 1.4 | Type or consuct | intes Descrip | tion Size | Minnoet | | omments | |
| \Box | IANIC | 1,1,1 | tin 1 P | DCA | MI T | 171787-() | |
| \vdash | NVIAC | <i>/\/\</i> | 11197 | 1,10,1 | $\frac{\mathcal{O}_{I}}{\mathcal{O}_{I}}$ | 7.77 0 | - , |
| i i | 7. Crops/Econom | nic Trees | | | ! | | ┛. |
| S/N | Type of crops | Young | Medium | Matured | Quantity | Comments | |
| - | DANIC . | 1150 | m / D-1 | 0 000 | W- TW | AV | _ |
| $\vdash \mathcal{N}$ | NAC | /////////////////////////////////// | ///////////////////////////////////// | | | 1111-C) | \dashv |
| | | | , , , , , | | | · · · · · · · · · · · · · · · · · · · | <u></u> |
| | O Finking Man / | Tish Dands | | | | • | |
| S/N | 8. Fishing Nets/I Nets/Pends | Descriptio | | Quantity/Size | Comments | | \neg |
| 1 | 1 |)) | <u></u> | Quality/Size | Comments | | |
| $\Box \Lambda$ | MALE | 1,11 | IN A | 1004 | I IM | DACI | |
| H^{λ} | 1 0 14 C | 1/2/11/1 | 71 /1 | PCC/I |) // ' | 11,0 | - |
| <u> </u> | l 19. Others (Specif | fy) i.e. Animal Trap | os | | | | |
| S/N | Others | Descriptio | | Quantity/Size | Comments | | |
| | la Lic | 11.64 | -inl 1 ∆- | 1) [1] [2 | V TIN | 712/1 - J | _ |
| + | IUNE | | //\\ | KT/T C | | 1111 C. | \dashv |
| | | | | | | | \exists |
| E. G | RAPHIC DESC | RIPTION OF LEA | AK POINT (white | le detail report of t | he leak point s | hould be contained | in |
| the le | ak report, overvie | w sketch of the site BOMU — B | Should be added (| as an appenaix i) FLIN E 11 1 | Balla WE | 57 S140m | linig |
| 1074 | OF CAN | WE OIL THE | FT POIN | 1 AT 12 D'C | Lock P | dsiliani. | |
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| | | | - | 4" E | rbom! | | |
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| | | | (3) | 7 | | | |
| | | , | / - | | _4"N | IPPLE WITH X | BALLUM |
| | | LEAK P | อเฟโ | / | / ' ' | | |
| | TLLEGA 6 | | | | VALVE H | 10×104 € | |
| | 36-COATI | | | | VARAA | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| | A (- | | | | <u> </u> | <u></u> | |
| | . 11 | | • | | | / 28' | 1 . |
| | 28" | | | | | 1 /1/20 | |
| | $J_i V_i$ | | | | | ⊥ У↓ | |
| | 4 V | | | | > | | |
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| | 1 | FROM Bon | an 10 k | ・アランク | | | |

INCIDENT NO: 1483495 JIV report S/N: Nº 0000057

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 (LONGINDE) | |
|--|--|
| |) |
| 1. 4.58367 7.25610 | <u>-</u> |
| 2 4.58362 7.25610 | |
| 3. 4.58359 7.25606 | - |
| 4. 4.25602 | |
| s. 4.58369 7.25606 | |
| 6 4.58369 7.25603 | |
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| INCIDENT NO: 1453495 JIV report S/N: | No | 2000057 |
|---|-------|---------|
| G. INCIDENT INFORMATION: | | |
| a. Impacted Area Details | | |
| Total calculated area of impact Impact within R.O.W Impact outside R.O.W NO | | |
| b. Volume of oil recovered before completion of JIV (V _{recJ}): Recovered oil V _{recJ} : A] i] | Barr | rala . |
| Controlled recovery/evacuation from source with no impact to environment: | | |
| c. Net Estimated Spilled VolumeV _{Est} (bbis)* = | 1 | · · |
| 6-25 BARRELS | | |
| Estimated Reported Volume** V _{rep} (bbls)= 7 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: | | |
| | · | |
| Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume esti- Conversion of m ² to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the follo • 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. | | |
| 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 to (Deviations) of the 31% procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and attack to the 31% report.

INCIDENT NO: 1483495 JIV report S/N: Nº 9000057

| d. | General | Status | of | the | site |
|----|---------|--------|----|-----|------|
|----|---------|--------|----|-----|------|

| i. Joint investigation of the incid | lent site found that the | ere is no residual | impact after the | initial respons | se 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 2
- Signatories agree with reported findings:
- Separate DPR form has been filled out with same findings

Tick as applicable

INCIDENT NO: 1483495 JIV report S/N: Nº 0000057

f. Appendix 1: Overview sketch of the site

