INCIDENT NO: 260 9771 \_\_\_ JIV report S/N: 0718

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties)

	THE ALL INCODES ATION.			
	ENERAL INFORMATION:			
For	intain Incident Number: 260	9771	2. Type of incid	dent* CONDENSATE
Na	ne of Location <u>6"NORTH BAN</u>	K LENTRAL	L PROCESSING FA	WILITY CONDENSATE DELIVERY
Na	ne of nearest community <u>OBO</u>	TOBO 5. S	State: DELTA	6.LGA BURUTU
	duction Facility/Installation			
				IELOPMENT COMPANY
2.	ails of incident Date Reported: 22 <sup>ND</sup> MAR Start date/time of Investigation: 25			7:30 PM
٥.	Investigation End date: 674 MA	V 2020	Day(a) or	site: THREE (3) DAYS
	Description of spill point environme		Day(s) or	Talle. The control of
u.	_	_	7	78tu
	□Firm soil	Loose soil	-	Recently excavated area
	Under water	Mewamny		Exposed pipe surface
		<b>⊠</b> Śwampy	_	
	Well Platform (on water)  Additional observations around the	□Drill Rig	_	Usand bag(s)
	Well Platform (on water)	□Drill Rig	_	
•	Well Platform (on water)  Additional observations around the	Drill Rig	_	
e.	Well Platform (on water)	Drill Rig	_	
e.	Additional observations around the  Description of leak point (tick as app	Drill Rig spill point:		Lisand bag(s)
e.	Description of leak point (tick as app	spill point:	Rough-edge hole Inward dent, Failed Clamp,	☐ Hack saw cut
e.	Description of leak point (tick as app Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering)	spill point:	Rough-edge hole Inward dent, Failed Clamp, Saver-pit over flow	Hack saw cut Well head tampering Missing Pipeline/Flowline Third party tampering with Clamp
e.	Description of leak point (tick as app Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) Third party tampering with valve	spill point:	Rough-edge hole Inward dent, Failed Clamp, Saver-pit over flow Bulging Outward	Hack saw cut Well head tampering Missing Pipeline/Flowline Third party tampering with Clamp Third party tampering with flange,
e.	Description of leak point (tick as app Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) Third party tampering with valve Flare System/Bund wall failure	spill point:	Rough-edge hole Inward dent, Failed Clamp, Saver-pit over flow Bulging Outward	Hack saw cut  Well head tampering  Missing Pipeline/Flowline  Third party tampering with Clamp  Third party tampering with flange,  Surge vessel overflow,
e.	Description of leak point (tick as app Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) Third party tampering with valve Flare System/Bund wall failure Valve Failure	spill point:	Rough-edge hole Inward dent, Failed Clamp, Saver-pit over flow Bulging Outward	Hack saw cut Well head tampering Missing Pipeline/Flowline Third party tampering with Clamp Third party tampering with flange,
е.	Description of leak point (tick as app Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) Third party tampering with valve Flare System/Bund wall failure Valve Failure	spill point:	Rough-edge hole Inward dent, Failed Clamp, Saver-pit over flow Bulging Outward Cold vent Relief valve failure	☐ Hack saw cut ☐ Well head tampering ☐ Missing Pipeline/Flowline ☐ Third party tampering with Clamp ☐ Third party tampering with flange, ☐ Surge vessel overflow, ☐ Accidental 3rd party equipment impact
	Description of leak point (tick as appoint of leak point)  Smooth round-edge hole  Complete Rupture  Failed Weld-on illegal hot tap valve  Crude oil theft (illegal bunkering)  Third party tampering with valve  Flare System/Bund wall failure  Valve Failure  Tear (  Others (specify) IREE GALE	spill point:	Rough-edge hole Inward dent, Failed Clamp, Saver-pit over flow Bulging Outward Cold vent Relief valve failure	Hack saw cut  Well head tampering  Missing Pipeline/Flowline  Third party tampering with Clamp  Third party tampering with flange,  Surge vessel overflow,
	Description of leak point (tick as app Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) Third party tampering with valve Flare System/Bund wall failure Valve Failure	spill point:	Rough-edge hole Inward dent, Failed Clamp, Saver-pit over flow Bulging Outward Cold vent Relief valve failure  DUE TO EC	Hack saw cut Well head tampering Missing Pipeline/Flowline Third party tampering with Clamp Third party tampering with flange, Surge vessel overflow, Accidental 3rd party equipment impact

\*This can be: (a) Oil Spill (b) Drilling fluid/Chemical (c) Siliation (d) Water Leak (e) Fire (f) Non-leaking theft point removal

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0718 INCIDENT NO: 260 9771 JIV report S/N: g. Spill Point Coordinates (\*Incidents \le 100m apart to be aggregated into one Joint Investigation Report) h. Measuring unit Northing: Easting: ATITUDE LONGITUDE 32102 C. RISK ASSESSMENT 10. Details of Environment i. Type of environment where spill occurred (select one): Land **⊡**'Swamp □Water Seasonal swamp ☐ Shoreline/Waterfront ii. Type of environment to which oil has spread: ☐ Land **□**′Swamp ☐Waterbody (specify) iii. Weather condition Drv □Wet ☐ Windy **□**Hot 11. Distance to Sensitive habitat within 100m radius Government reserved and designated protected area NONE SEEN □ Drinking water source ☐Surface water Borehole WITHIN THE □ Built up Area ,m] ☐Residential Area ☐Commercial/Industrial Area YICIDITY. □ Farmlands ,m] ☐ Fish Farm/Pond ,m] Fishing net ,m] □ Others (specify) ,m] 12. Containment measures put in place: Booms ☐ Trench ☐ Dyke ☐ Pit ☐ Natural depression ☐ None Others: 13. Any pictures or video coverage? [Y] [N]14. Further response/repair initiated as at the time of JIV? [V] [N]If yes to item 14, give brief description:

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13 Was there any	disruption to the investigation	? [Y] [M]	
If yes to hom 15 give bri	ef description.		
In Was JIV delay	APPLICABI	E	
Reason(s):  Delayed Com	munity Access Approval S	ecurity Challenges	ess constraint due to terrain
	ERS OF PROPERTIES, IF ANY	LOCK DOWN,	
SN Type of Strag	tures Description Size	Number	Comments
18 Crops Economi	K Trees	AREA DE	IMPACT
SN Type of crops		Matured Quan	tity Comments
19 Fish Nets Pond	EMITHIN	AREA OF	IMPACE
SN Fish Nets Pond		Quantity/Size Comm	cats
20 Others (Specify	e.g. Animal Traps	AREA DE	IMPACT
S/N Others	Description	Quantity/Size Comm	nents
E GRAPHIC DESCRI	PTION OF LEAK POINT (while	APLA DE detailed description of the le.	ak point should be contained
an the leak report, overvi	iew sketch of the site should be add 6" NORTH BANK C	ded as annendix 1)	
	LILLEDY LINE	AT ARATARA	CHALLING
IRLEGULAR H FAILURE	DIE AT 7 0'CLO	OCK POSITION S	DUE TO EQUIPMENT
PARTURE	LEAK POINT	RREGULA	R HOLE AT 7 O'LLOW POSITION
6"			
CENTRA Distribution of copies. Whate	ML PROLESSING FACE (Asset Owner) Pink (DPR) Green (N	LITY TO NORTH B	MNK FLOM STATION : (Environment)

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Blue (Host Community)

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

21. Impacted area boundary Coordinates (If more, Print and attach as Appendix)

	MGS 8	Easting 100 GTUDE
S/N	Northing LATITUDE	Easting LONGITUDE
1.	5.41096	5· 3210H
2.	5·41093	5. 32109
3.	5.41092	5.32101
<b>4</b> -	5.41090	5. 32105
	0-0-0	
e:-		
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	/	
	<del> /</del>	

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G. INCIDENT	INFORMATION:
a. Impacte	ed Area Details *
•	Total calculated area of impact (Ha) 0 · 003 Ha Impact within SPDC R.O.W YES
•	Impact outside SPDC R.O.W
• Express in Hecta	decimal places if area is $\geq 100 \text{ m}^2$ or to 4 decimal places if area is $\leq 100 \text{ m}^2$ (e.g. 14.55, 0.0051, 0.0009)
b. <u>volume</u>	Recovered oil V <sub>recJ</sub> : 3 Barrels
	timated Spilled Volume V <sub>Est</sub> (bbls)* =  6.61 BARRELS
Estimated Rep	ported Volume** Vren(hbls)= 7 BARRELS.
• Reported	estimation was done using an excel based tool.(see attached for details on the calculation)  spilled volume is an estimate elevant notes taken into consideration for volume estimation or cause of spill:

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 m³ 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 bbi 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 6c (Deviations) of the JIV procedure to use appropriate steps for column estimation; record the calculation in a plain sheet of paper and attach to the JIV report.

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d	General	Contra	-f +L-	-24-
u.	CERTI	<b>MATINE</b>	of the	cite

	Joint investigation of the incident site found that there is no residual impact after the initial response therefore recommend that the site be closed out	
ĬĬ.	Investigation of the incident site showed that there is residual impact on site requiring further works	۵Y

#### 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]: □
- The Shell Petroleum Development Company [SPDC]: □
- Separate DPR form has been filled out with same findings
- Separate NOSDRA form has been filled out with same findings
- Separate SME form has been filled out with same findings

Tick as applicable

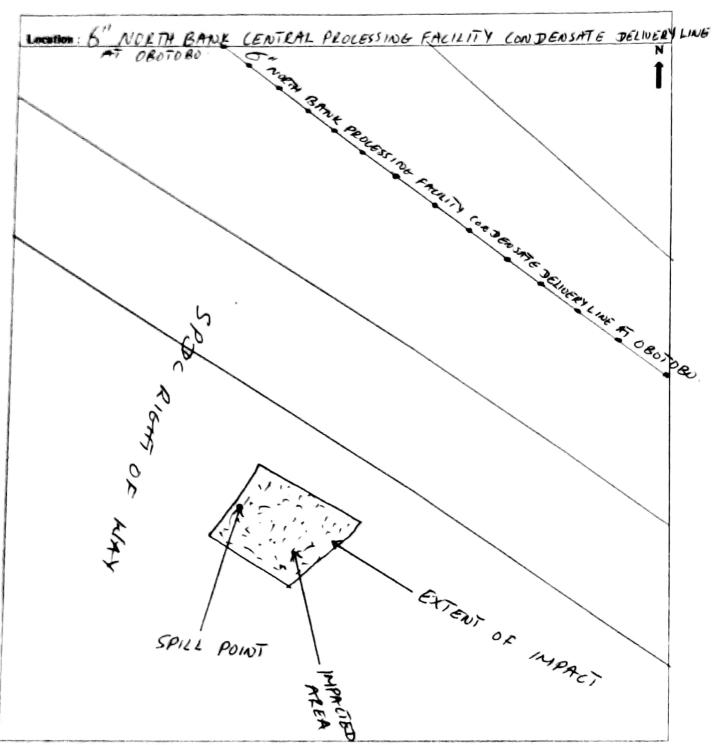
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#### f. Appendix 1: Overview sketch of the site



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