INCIDENT NO: 2995334 JIV report S/N:000824

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

A. GENERAL INFORMA	TION:			
1. Fountain Incident Number	r: 2995334	2. Type of incid	lent* OIL SPILL	
3. Name of Location <u>Pu</u> 4. Name of nearest commun	KUSHI WELL GREMAGALABIR IIIY AGBIDIAMA	14T FLOWLINE 5. State: BAYELSA	RIGHT OF WAY AT	AGBIDIAM
7. Production Facility/Instal				
8. Asset Owner/Hub THE LIMI B. INCIDENT INFORMA	SHELL PETRALITED (SPAC) SWITION:	EUM DEVELOPMEN IAMP WEST HUB	AT COMPANY OF MIGH	FRA
b. Start date/time of Inv c. Investigation End dat d. Description of spill p  Firm soil  Under water  Well Platform (on  Additional observation  THE SPILL	oint environment  Loose  Swam water)  Drill I  ons around the spill point  WAS  CAUS		Recently excavated area  Exposed pipe surface  Sand bag(s)  FLOWLING	
Third party tampe Flare System/Bur Valve Failure Tear Others (specify)  f. Incident caused by:	ge hole gal hot tap valve gal hot tap valve gegal bunkering) point, gering with valve setting and wall failure gerence (Sabotage	□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  Third party tampering with  Surge vessel overflow,  Accidental 3rd party equipm	flange,
	ing fluid/Chemical (c) Siltation	Mystery spills)(d) Water Leak (e) Fire (f) Non-lea	\/- :	
Plus (Heet Community)	set Owner), Pink (DPR); Gre	en (NOSDRA); Yellow (State Mir	nistry of Environment);	

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Blue (Host Community)

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INCIDENT NO: 2995334 JIV report S/N: g. Spill Point Coordinates (\*Incidents < 100m apart to be aggregated into one Joint Investigation Report) WGS 84 h. Measuring unit Easting: Northing: 4.91901 5-74698 C. RISK ASSESSMENT 10. Details of Environment Type of environment where spill occurred (select one): Swamp Land □Water ☐ Seasonal swamp ☐ Shoreline/Waterfront Type of environment to which oil has spread: Swamp Land ☐Waterbody (specify) iii. Weather condition **□** bry □Wet □Hot ☐ Windy 11. Distance to Sensitive habitat within 100m radius Government reserved and designated protected area Drinking water source □Borehole ☐Surface water ☐ Built up Area [ Residential Area ☐Commercial/Industrial Area □ 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? [N]14. Further response/repair initiated as at the time of JIV? [Y] [W]If yes to item 14, give brief description: NOT APPLICABLE

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C. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak point should be contained in the leak report, overview sketch of the site should be added as appendix 1)			CNI	NO:2 <u>_9</u>	95334	JIV r	eport S/N:	0000824
Reason(s):	15	. Was there any	/ disrupti	ion to the inve	estigation?	[Y]	101	
Reason(s):  Delayed Community Access Approval  Security Challenges  Access constraint due to terrain  Others (specify)  D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL  Structures / Properties  S/N Type of Structures  Description  Bescription  IR. Crops/Economic Trees  S/N Type of crops  Young  Medium  Matured  Quantity  Comments  NONE  WITHIN  AREA  OF  IMPACT  19. Fish/Nets/Ponds  Description  Quantity/Size  Comments  NONE  WITHIN  AREA  OF  IMPACT  20. Others (Specify) e.g. Animal Traps  S/N Others  Description  Quantity/Size  Comments  WITHIN  AREA  OF  IMPACT  Comments  WITHIN  AREA  OF  IMPACT  Comments  WITHIN  AREA  OF  IMPACT  COMMENTS  Comments  NONE  WITHIN  AREA  OF  IMPACT  COMMENTS  COMMENTS  COMMENTS  AREA  OF  IMPACT  COMMENTS  CO	If yes 1	to item 15 give bri	ief descrij	ption:	10-			
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JUE TO SHA WI BY UNKNOWN PERSON(S).	S/N	MONE APHIC DESCRIF eak report, overvie	ew sketch	OF LEAK POIN of the site show	NT (while detai	iled description of appendix 1)	of the leak point sh	ould be contained
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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)

		WGS 84	
S/N	Northing		Easting
1	9.	4.91900	5.74698
2		4-91902	5.74699
3		4-91901	5.74698 5.74699 5.74698 5.74659 5.74660
4		4.91915	5.74659
5		4-91917	5.74660
,			
		e.	

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#### G. INCIDENT INFORMATION:

a. Impacted Area Detail	ls	ħ
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•	Total calculated area of impact (Ha)	0.01HA	
•	Impact within SPDC R.O.W	YES	
	Impact outside SPDC R O W	NO	

<sup>\*</sup> Round off to 2 decimal places if area is  $\geq$  100 m<sup>2</sup> or to 4 decimal places if area is  $\leq$  100 m<sup>2</sup> (e.g. 14.55, 0.0051, 0.0009)

b. Volume of oil recovered before completion of JIV (VrecJ):

Recovered oil V<sub>recJ</sub>: NIL Barrels

Controlled recovery/evacuation from source with no impact to environment:

NIL Barrels

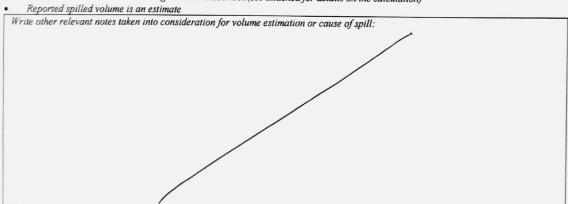
c. Net Estimated Spilled Volume V<sub>Est</sub>(bbls)\* =

| 1.68 BBL\*

| Estimated Reported Volume\*\* V<sub>rep</sub>(bbls)= 2 BBL\*

\*Notes

Volume estimation was done using an excel based tool. (see attached for details on the calculation)



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<sup>3</sup> 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

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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<sup>\*</sup> Express in Hectares (Ha)

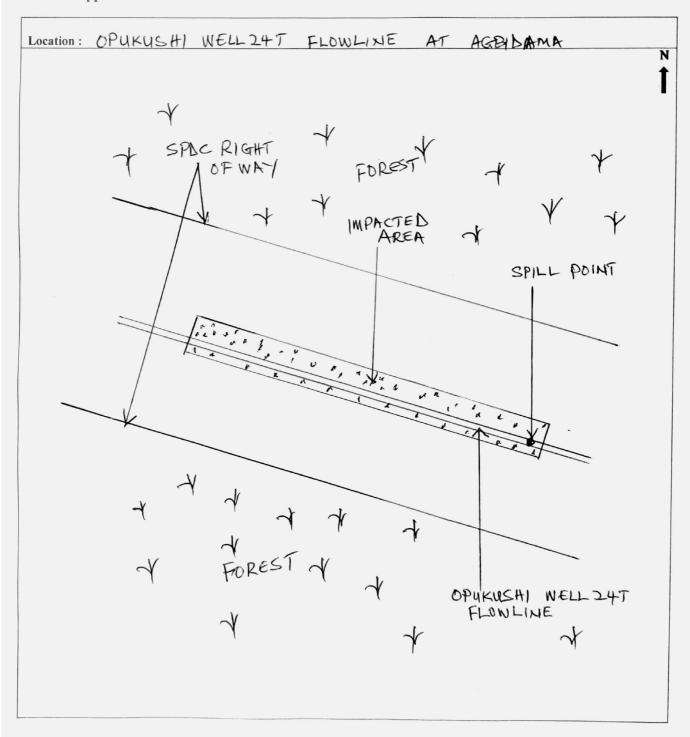
	INCIDENT NO: 2995334 JIV report S/N: 00082
d.	General Status of the site
i.	Joint investigation of the incident site found that there is no residual impact after the initial response and JIT therefore recommend that the site be closed out
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works
e.	Representatives
Thi	is 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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