INCIDENT NO: 255 9407 JIV report S/N:1030230

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 2. Type of incident* OIL SPILL 1. Fountain Incident Number: 255 9 407 3. Name of Location 20" NEW KOLO CREEK - RUMUENPE PUELINE 5. State: BAYELSA 6. LGA OGBIA 4. Name of nearest community DRUMA 7. Type of Production facility/Installation _ TL PIPELINE 8. Asset owner/District TITE SHELL PETROLEUM DEVELOPMENT WARAN OF NIGRIA-LIMITED (SPDE) / PIPELINE
B. INCIDENT INFORMATION. 9. Details of incident
a. Date Reported: 28TH JANUARY, 2020 b. Start date/time of investigation: 30TH JANUARY, 2020 /1230HRS c. Investigation End date: 3074 JAMMAY, 2020 Actual investigation duration, days: ONE (1) DAY d. Description of spill point environment Recently excavated area Loose soil Firm soil Exposed pipe surface Under water Swampy ☐ Well Platform (on Water Drill Rig Additional observations around the spill point: APPLICABLE e. Description of leak point (tick as applicable); ☐Hack saw cut Tear (Drilled hole ☐ Well head tampering ☐ Inward dent, Complete Rupture Failed Clamp, ☐ Missing Pipeline/Flowline Failed Weld-on illegal hot tap valve ☐ Saver-pit over flow ☐ Third party tampering with Clamp Crude oil theft (illegal bunkering) point, ☐ Bulging Outward ☐ Third party tampering with flange, ☐ Third party tampering with valve setting Cold vent ☐ Flare System/Bund wall failure ☐ Surge vessel overflow, ☐ Relief valve failure ☐ Valve Failure Accidental 3rd party equipment impact Others(specify) f. Incident caused by: Third party interference (Sabotage ; crude theft ; Line theft ; Accidental 3rd party damage)

"This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire, g) non leaking Theft point removal Version 2019/01
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Page 1 of 8

Others (including Mystery spills)

Operational

INCIDENT NO: 2559467	JIV report S/N1.030230
g. Spill point coordinates	1.100 Q/L
h. Measuring unit	WGS 84
Northing:	Easting:
4.92594	6.42230
C. RISK ASSESSMENT	
10. Type of environment:	x ***
Land Swamp Swater	Seasonal swamp Shoreline/Waterfront
i. Type of environment to which oil has spread:	
☑ Land ☐ Swamp ☐ Water	River (identify)
ii. Weather condition	
□Rain □Sunny □Dry □We	et
11. Distance to Sensitive habitat within 100m radius	
☐ Government reserved and designated protected ar ☐ Drinking water source ☐ Built up area ☐ Farmlands ☐ Fish Farm/Pond ☐ Fishing net ☐ Others (specify).	[MIL,m] [MIL,m] [MIL,m] [MIL,m] [MIL,m] [MIL,m] [,m] [MIL,m] [NONE
12. Containment measures put in place;	
Booms	□Natural depression □Pit □None
Others:	
13. Any pictures or video coverage?	[N]
14. Further response/repair initiated as at the time of JIV?	[N] W
If yes to item 14, give brief description: REPAIR ACTIVITIES AND RECENERY DE	
15. Was there any disruption to the investigation?	[Y] [W]
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INCIDENT NO: 2559407 JIV report S/N: 1030230
If yes to item 15 give brief description:
NOT APPLICABLE
16. Was JIV delayed? [Y]
If yes to item 16 give brief description: NOT APPLICABLE
D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 17. Structures / Properties
S/N Type of Structures Description Size Number Comments
NONE WITHIN AREA OF IMPACT.
18. Crops/Economic Trees
S/N Type of crops Young Medium Matured Quantity Comments
MONE KITHIN AREA OF IMPACT
19. Fish/Nets/Ponds
S/N Fish/Nets/Ponds Description Quantity/Size Comments 1 POND — 140 MPACIED BY SPILL
20. Others (Specify) i.e. Animal Traps
S/N Others Description Quantity/Size Comments
MONE WITHIN AREA OF IMPACT
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 1) A SECTION OF 20" KELOCREEK-RUMMENTIFELINE AT TRUMMA SHOWING A 12mm DRILLED HOLD AT 11 O'CLOCK POSTION DONE BY
UNKNOWA PERSONS
PETER LEAK DUE TO A 12 mm PRILLED HOLE AT 11 O'LLOCK POSITION DONE BY UMARAND PORSONS.
20"

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Page 3 of 8

INCIDENT NO: 255 9407 JIV report S/N: 1030230

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

21. Impacted area boundary Coordinates (If more, Print and attach as an appendix) 45 84

		V 49- 0-1
S/N	Northing	Easting
	4.92589	6.42227
	4.92598	6.42232
	4.92602	6.42228
	4.92600	6.42223
575	4.92572	6.42245
	4.92576	6.42249
£ 5	4.922568	6.42232
•	4.92575	6.42203
9-	4: 92565	6.42203
1 1 5	4.925708	6.422431
	4.925659	6 422434
-	4.925654	6.422556
¥ -	4.92570	6.422527
e jan je	4.925397	6.422047
1	4.925450	6.422841
1,	4.925654	6-422730
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a state.		
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1774	
-k'		

INCIDENT NO: 4>5 1407	₊ JIV report S/N: <u>1</u> ງ3 ງ23 ງ
S. INCIDENT INFORMATION:	
a. Impacted Area Details	
• Total calculated area of impact 0.281	3ha
• Impact within SPDC R.O.W	
Impact within St DC R.O.W TES	
	the state of the s
b. Volume of oil recovered before completion of JIV (Vr.	ed): Barrels
Recovered oil V _{rec} J:	1111
Controlled recovery/evacuation from source with no impac	t to environment.
e. Net Estimated Spilled Volume Ven(bbls)* = 56.	41 BARRELS
stimated Reported Volume** Vrep(bbls)= 57BARKE	r a
 Volume estimation was done using an excel based tool (see attached for dete Reported spilled volume is an estimate Write other relevant notes taken into consideration for volume estimation or can 	
lculation of the respective estimated volume is to be done on site as far as practicabl nversion of m³ to barrels is Volume (m3) x 6.29; **Round up estimated volume to no Any spill volume in excess of 1 bbl is rounded up to the next whole num	ext whole number using the following rules:
 Any spill volume in less than 1 bbl is rounded up to the next 0.1 bbl. 	
Examples: Calculated volume = 15.3 bbl Reported volume = 1	
Calculated volume = 0.35 bbl Reported volume = Calculated volume = 0.01 bbl Reported volume =	
erever this estimation tool is not applicable please refer to paragraph 6c (Deviations	
mation; record the calculation in a plain sheet of paper and attach to the JIV report.	

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	INCIDENT NO: 2559407 JIV report S/N: 103023
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 If 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
Th	is report was <u>filled</u> , <u>agreed</u> and <u>signed</u> 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]:
	Shell Petroleum Development Company [SPDC]:
	• Separate DPR form has been filled out with same findings□
	Tick as applicable

1030230 INCIDENT NO: 255 9467 JIV report S/N:

f. Appendix 1: Overview sketch of the site

