INCIDENT NO: 2811238 JIV report S/N:

0734

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1. Fountain Incident Number: 2811238 2. Type of incident* OIL SPILL 3. Name of Location 36" MKYOKU - OGALE PIPELIME 4. Name of nearest community OGALE 5. State: RIVER 6. LGA ELEME 7. Production Facility/Installation CRUDE OIL PIVELINE 8. Asset Owner/Hub IHE SHELL PETROLEUM DEVELOPMENT COMPANY
B. INCIDENT INFORMATION: OF MIGERIA LIMITED / PIPELINE 9. Details of incident Details of incident a. Date Reported: 18TH DECEMBER 2020 b. Start date/time of Investigation: 19TH DECEMBER, 2020/1433 HRS c. Investigation End date: 911 DECEMBER 2020 Day(s) on site: ONE DAY d. Description of spill point environment ☐Firm soil Loose soil Recently excavated area Under water Swampy ☐Exposed pipe surface ☐Well Platform (on water) Drill Rig ☐Sand bag(s) Additional observations around the spill point: 101 APPLICABLE e. Description of leak point (tick, as applicable); Smooth round-edge hole (DRILLED) ☐Rough-edge hole Hack saw cut ☐Complete Rupture ☐ Inward dent, ☐ Well head tampering Failed Weld-on illegal hot tap valve ☐ Failed Clamp, ☐ Missing Pipeline/Flowline Crude oil theft (illegal bunkering) point, Saver-pit over flow ☐ Third party tampering with Clamp ☐ Third party tampering with valve setting ☐ Bulging Outward ☐ Third party tampering with flange, ☐ Flare System/Bund wall failure Cold vent ☐ Surge vessel overflow, ☐ Valve Failure Relief valve failure ☐Accidental 3rd party equipment impact ☐ Tear (Others (specify) f. Incident caused by: Third party interference (Sabotage ; crude theft ; Line theft ; Accidental 3rd party damage) - Operational Others (including Mystery spills)

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Blue (Host Community)

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

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g. Spill Point Coordinates (*Incidents ≤100m apart to be as h. Measuring unit	
Northing:- LATITUDZ	Easting- LONGITUDE
4.82000	7.14313
	- 1010
C. RISK ASSESSMENT	4 .
10. Details of Environment	a ·
i. Type of environment where spill occurred (sel	ect one):
Land DSwamp DWater	☐Seasonal swamp ☐Shoreline/Waterfront
ii. Type of environment to which oil has spread:	
☑Land □Swamp □Waterbody (specify)
iii. Weather condition	
Dry Dwet Dwindy	□Hot
11. Distance to Sensitive habitat within 100m radius	* *
☐ Government reserved and designated protected ard ☐ Drinking water source ☐ Burface water ☐ Borehole ☐ Built up Area ☐ Commercial/Industrial Area ☐ Farmlands ☐ Fish Farm/Pond ☐ Fishing net ☐ Others (specify) ☐	[,m] MONE SEEN
12. Containment measures put in place:	
□Booms □Trench □ Dyke □ Pit □Natura	al depression None
DOTHERS: NOT APPLICABLE	
13. Any pictures or video coverage?	[Y] [N]
14. Further response/repair initiated as at the time of JIV?	EXT [N]
f yes to item 14, give brief description: REPAIR DONE BY C	LAMPINIG.

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15. Was there any disruption to the investigation? [Y] [Y] If yes to item 15 give brief description:
16. Was JIV delayed? [Y] INT
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 17. Structures / Properties
S/N Type of Structures Description Size Number Comments 18. Crops/Economic Trees
S/N Type of crops Young Medium Matured Quantity Comments 19. Fish/Nets/Ponds
S/N Fish/Nets/Ponds Description Quantity/Size Comments. 20. Others (Specify) e.g. Animal Traps
S/N Others Description Quantity/Size Comments E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak point should be contained in the leak venest events and the leak venest events are all the leak venests events and the leak venests events are all the leak venests events and the leak venests events are all the leak venests events and the leak venests events are all the leak ve
in the leak report, overview sketch of the site should be added as appendix 1) CTION OF 36"MKPOKU—OGALE PIPELING AT OGALE HOWING DRILLED HOLE AT 20'CLOCK POSITION BY NKNOWN PERSONS.
DE-LOATED SMM DRILLED HOLE AT 2 0'CLOCK POSITION (LEALC POINT)
36"
FRUM MICPOICU TO DGALE Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment): Blue (Host Community) Page 3 of 8

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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)

	1249 84	P
S/N	Northing LATITUDE	Easting LONGITUDE
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3.	4.82002	7·14314 7·14312
3	4.82000	7-14311
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G. INCIDENT INFORMATION: a. Impacted Area Details * Total calculated area of impact (Ha) D. 6006 Ha Impact within SPDC R.O.W Impact outside SPDC R.O.W NO * Round off to 2 decimal places if area is \geq 100 m^2 or to 4 decimal places if area is < 100 m^2 (e.g. 14.55, 0.0051, 0.0009) * Express in Hectares (Ha) b. Volume of oil recovered before completion of JIV (VrecJ): Recovered oil Vreed: Barrels Controlled recovery/evacuation from source with no impact to environment: Barrels MIL Net Estimated Spilled Volume VEst(bbls)* = 0.03 BARREL Estimated Reported Volume** Vren(bbls)= *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 volume estimation or cause of spill: TPPLICABLE 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^3 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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d.	General	Status	of	the	site
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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	ind JIT
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	19

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 \Box
- 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

2011 All (Del c)
Location: 36" NKPOKU - DGALE PIPELIME AT OGALE.
N
36" MKPOKN - OGALE PIPELINE
IMPACTED AREA
A STILL TOWN
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SPDE PINE
RIGHT OF WAY
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