INCIDENT NO: 554020 JIV report S/N:

Nº 0000082

(Note: As practicable as possible the JIT rep	ort is to be signed in the field by all t	he participating parties)
A. GENERAL INFORMATION:		, and
1. Spill incident Number: 15540	2.Type of incident*	OIL SPILL
3. Name of Location 28" BON	MU - BONNY	PIPELINE
4. Name of nearest community K-DERE	KPOR5. State: RIVERS 6	.lga GoKANA
7. Type of Production facility/Installation	IL PIPELINE	
8. Asset owner/District THE SHE		FVELOPMENT COMPANY
OF NIGE B. INCIDENT INFORMATION:	RIA LIMITED / PI	PELINE
9. Details of incident	ANUARY, 2016	
a. Date of incident: 6 H b. Start date/time of investigation: 9	TH TANUARY 20	16/15:42 HOURS
c. Investigation End date: 10 TH JA	MI ARY Actual investigation durat	ion, days: TWA (2) DAYS
d. Description of spill point environmen	ማለበሩ	
		Recently excavated area
	•	·
	13 (-2:1) 1	Exposed pipe surface
□Well Platform (on Water L	DrillRig	
Additional observations around the sp ARRIVAL AT SITE, OBSE EXCAVATION, IN THE CO WAS NOTICED FROM BEYOND THE SPDC RI TO A REMEDIATION	ill point: THE JOINT INVERVED THE SPILL PO CURSE OF JIV, AROUN A CUT ON A 4" ILLI GHT OF WAY. SPILL SITE.	PESTIGATION TEAM, ON INT BUBBLING, UPON DIES PILL POINT, LEAK EGAL PIPE CONNECTION SITE WAS NOTICED ADJACENT
e. Description of leak point (tick as app	licable);	
☐Drilled hole	Hack saw cut	☐ Tear (),
Complete Rupture	☐ Inward dent,	Well head tampering
Failed Weld-on illegal hot tap valve	Failed Clamp,	☐ Missing Pipeline/Flowline
Crude oil theft (illegal bunkering)		☐ Third party tampering with Clamp
Third party tampering with valve s		☐ 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
Others(specify)		
f. Incident caused by:		
Third party interference (Sabotage	□;crude theft[2]; Line theft□; Accide	ntal 3 rd party damage□)
	ncluding Mystery spills)	
	/	

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

INCIDENT NO: 155 年020	JIV report S/N: No 0000082
g. Spill point coordinates h. Measuring unit	34
N11.7	
Northing: LATITUDE	Easting: LONG MUDE
4.65459	7.27692
12	172
C. RISK ASSESSMENT	•
10. Type of environment:	
□Land □Swamp □Water	Seasonal swamp Shoreline/Waterfront
i. Type of environment to which oil has spread:	
□ Land □ Swamp □ Water (SEASONAL)	River (identify)
ii. Weather condition	
□Rain ✓ Sunny □Dry □Wet	□Windy □Hot □cool
11. Distance from the nearest sensitive habitat	
☐ Government reserved and designated protected area ☐ Drinking water source ☐ Built up area ☐ Farmlands ☐ Fish Farm/Pond ☐ Fishing net ☐ Others (specify). PALM TREES	[,m]
12. Containment measures put in place;	
	Natural depression Pit None
Others:	-
13. Any pictures or video coverage?	[N] [N]
14. Further response/repair initiated as at the time of JIV?	. [Y <mark>.</mark> [N] .
If yes to item 14, give brief description: REPAIR WAS DONE BY DISCONN Count ECTION AND DUNIN ELANG	, –
CONNECTION AND BLIND-FLANG	<u></u>
15. Was there any disruption to the investigation?	[Y] [N]

JIV report S/N: Nº 0000082 INCIDENT NO: 1554020 If yes to item 15 give brief description: D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 16. Structures / Properties Type of Structures Description Size Number Comments 17. Crops/Economic Trees S/N Type of crops Quantity Medium Matured Comments Young MPACTED WITHIN AN 18. Fishing Nets/Fish Ponds S/N Nets/Ponds Quantity/Size Comments 19. Others (Specify) i.e. Animal Traps Quantity/Size S/N Others Description Comments 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 L TION OF 28" BOMU - BONNY SECTION OF PIPELINE AT K-DERE/KPOR SHOWING ONE NO. 4" CRUDE OIL THEFT POINT AT 120 CLOCK POSITION. 860 MM ELBOW ILLEGAL PIPE (68 METRES OBS'ERVED CUT ON ILLEGAL PIPE (WHERE Page 3 of 8 LEAK WAS NOTICED)

INCIDENT NO: 554020 JIV report S/N: NO 0000082

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)

~ n ·	152 22		Easting 1 p.10 Tune
S/N	Northing	LA Cours	Easting LovariusE
		4.65445	7.27677
		4.65436	7.27647
		4.65436 4.65410	Easting LoNGJUNE 7.27677 7.27647 7.27633
	·	7 7 7 7 7 7 7	7.27646
		4.65545	7. 27679
		4.65474	7.276.77
		4.65474 4.65431 4.65431	7. 27631
		4.65507	7. 27675
		4.65393	7.27630
		4.65393	7 · 27678
		4.65393 4.65387	7.27683
-		4.65383	7.27700
		4.6537	7.27714
		4~653 8 9 _	7 . 27720
		4-65415	7,27728
		4.65427	7-27743
		4.65 449	7. 27743
		4 · 65454 4 · 65459	7.27725
		4.65459	7-27704
		4.65548	7.27697
		`	
			•

G. INCIDENT INFORMATION:

INCIDENT NO: 1554020 JIV report S/N: No 000082

a. Impacted Area Details	
• Total calculated area of impact 10∠ΠϤ	
• Impact within R.O.W 1E5	
Impact outside R.O.W	·
b. Volume of oil recovered before completion of JIV (Vrec.):	
Recovered oil V _{recJ} :	Barrels
Controlled recovery/evacuation from source with no impact to environment:	
Barrels	
	•
c. Net Estimated Spilled VolumeV _{Est} (bbls)* = -7, (1)	
c. Net Estimated Spined volume v Est (10018)** = -/1 • 6	
stimated Reported Volume** Vrep(bbls)= 72 BARRELS	•
iotes:	_
 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:	
100 1015	
I INTO APPLICABLE	

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 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.

Wherever this estimation tool is not applicable please refer to paragraph by (Devianous) of the AV procedure to use appropriate steps for volume estimation, record the calculation in a plain sheet of paper and attach to the AV report.

INCIDENT NO: 1554020 JIV report S/N: Nº 0000082

d.	General	Status	of	the	site
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	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	nd JiT
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	4

c. Representatives

This report was filled, agreed and signed by the following joint investigation team representatives:

- Department of Petroleum Resources [DPR]: □
- National Oil Spill Detection and Response Agency [NOSDRA]:
- State Ministry of Environment [SME]:
- Asset Owner:
- Signatories agree with reported findings:
- Separate DPR form has been filled out with same findings□

Tick as applicable

INCIDENT NO: 1554020 JIV report S/N: Nº 0000082

f. Appendix 1: Overview sketch of the site

