INCIDENT NO: 2862015 JIV report S/N:0000751

(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: 286	2015	2. Type of incident Of	L SPILL
3. Name of Location 14" OKORI	DIA - RUMUE	KDE TRUNKL	INE (PIPELINE)
4. Name of nearest community	IMA S. State R	WERS GIGA	HOXINA WIEST
7. Production Facility/Installation			And Mary 1
8. Asset Owner/Hublitte Stiell	PETROLEUM	NEVELOPMENT	COMPANY
B. INCIDENT INFORMATION:	LIMITED (SP	DC)/PIPELIA	IE
9. Details of incident			
a. Date Reported: 1574 FGBRUM			
b. Start date/time of Investigation:	BITH FEBRUARY	2021. 1400HRS	
c. Investigation End date: 1874 f	CERMARY 2	Day(s) on site: ON	12 (1) DAY
d. Description of spill point environme	ent		
□Firm soil	□Loose soil	Recently	excavated area
☐Under water	□Swampy		pipe surface
			priprie Unit sales
Additional observations around the	□Drill Rig spill point:	Sand bag	
Additional observations around the	spill point:		
	spill point:	Sand bag	(s)
Additional observations around the e. Description of leak point (tick as app	spill point:	edge hole Hack	(s)
Additional observations around the e. Description of leak point (tick as apple and a supplementary of the supplem	spill point: plicable);	redge hole Hack	(s)
Additional observations around the e. Description of leak point (tick as appoint some some some some some some some some	spill point: plicable); Rough Inward	edge hole Hack dent, Well Clamp, Miss	saw cut head tampering
Additional observations around the e. Description of leak point (tick as applications) 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- Inware Failed point; Saver- setting Bulgin	edge hole Hack I dent, Well Clamp, Miss pit over flow Third g Outward Third	saw cut head tampering ing Pipeline/Flowline
Additional observations around the e. Description of leak point (tick as applications) 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- Inward Failed (redge hole Hack I dent, Well Clamp, Miss pit over flow Third g Outward Third ent Surge	saw cut head tampering ing Pipeline/Flowline I party tampering with Clamp I party tampering with flange, e vessel overflow,
Additional observations around the e. Description of leak point (tick as applications) 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- Inward Failed (redge hole Hack I dent, Well Clamp, Miss pit over flow Third g Outward Third ent Surge	saw cut head tampering ing Pipeline/Flowline I party tampering with Clamp I party tampering with flange,
Additional observations around the Description of leak point (tick as applications) 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 (spill point: Rough- Inward Failed (redge hole Hack I dent, Well Clamp, Miss pit over flow Third g Outward Third ent Surge	saw cut head tampering ing Pipeline/Flowline I party tampering with Clamp I party tampering with flange, e vessel overflow,
Additional observations around the e. Description of leak point (tick as applications) 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- Inward Failed (redge hole Hack I dent, Well Clamp, Miss pit over flow Third g Outward Third ent Surge	saw cut head tampering ing Pipeline/Flowline I party tampering with Clamp I party tampering with flange, e vessel overflow,
Additional observations around the Description of leak point (tick as applications) 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) f. Incident caused by:	spill point: Rough- Inward Failed Point; Saver- Saver- Cold ve	edge hole Hack I dent, Well Clamp, Miss pit over flow Third g Outward Third ent Surge valve failure Accid	saw cut head tampering ing Pipeline/Flowline I party tampering with Clamp I party tampering with flange, e vessel overflow, ental 3 rd party equipment impact
Additional observations around the Description of leak point (tick as applications) 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) f. Incident caused by: Third party interference (Sabotage)	spill point: Rough- Inward Failed Point; Saver- Saver- Cold ve	edge hole Hack I dent, Well Clamp, Miss pit over flow Third g Outward Third ent Surge valve failure Accidental 3 rd p	saw cut head tampering ing Pipeline/Flowline I party tampering with Clamp I party tampering with flange, e vessel overflow, ental 3 rd party equipment impact

*This can be: (a) Oil Spill (b) Drilling fluid/Chemical (c) Siltation (d) Water Leak (e) Fire (f) Non-leaking theft point removal Version 2020/01 Versi Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment); Blue (Host Community)

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h. Me.	Spill Point Coordinates (*Incidents \le 100m apart to be ogg Measuring unit Northing:		1492 8	Easting:		
	5	12988	16	6.473	486	
	ASSESSMEN ectails of Envir					
i,	Type of env	ironment where	spill occurred (se	elect one):		
	□Land	□Swamp	□water	Seasonal swamp	Shoreline/Waterfront	
ii.	Type of env	ironment to which	th oil has spread			
N	ULand	Swamp	Waterbody	(specify)		
iii.	Weather cor	dition			723 - 400 10	
3	Dory	□wet	□Windy	□Hot		
11. Di	stance to Sens	itive habitat with	in 100m radius			
	Government Drinking wa Surface Built up Are CRESider Farmlands Fish Farm/Po Fishing net Others (speci	e water Bor a ritial Area Con		[m, j]		
12. Cor	ntainment meas	ures put in place:				
	□Booms □Tr	ench Dyke	Pit Watur	al depression None		
	JOthers:					
13. Any	pictures or vid	eo coverago?		NH INI	TO A KE D	
14. Fu	ther response/r	epair initiated as at	the time of JIV?	KYP INI		
to item I	4. give brief desc	comprise Comprise	re on	asina		

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i. Type of environment where spill occurred (select one):	Shoreline/Waterfrom
i. Type of environment where spill occurred (select one):	Shoreline/Waterfrom
i. Type of environment where spill occurred (select one):	I swamp Shoreline/Waterfron
□ Land □ Swamp □ Water □ Seasona ii. Type of environment to which oil has spread: □ Land □ Swamp □ Waterbody (specify) iii. Weather condition □ Dry □ Wet □ Windy □ Hot 11. Distance to Sensitive habitat within 100m radius □ Government reserved and designated protected area □ Drinking water source □ Surface water □ Borchole □ Built up Area □ Residential Area □ Commercial/Industrial Area □ Farmlands □ Fish Farm/Pond	swamp Shoreline/Waterfron
ii. Type of environment to which oil has spread; Cand	Shoreline/Waterfron
iii. Weather condition Weather condition Windy Hot	
iii. Weather condition Wet	
Distance to Sensitive habitat within 100m radius Government reserved and designated protected area Drinking water source Surface water Borchole Built up Area Residential Area Commercial/Industrial Area Farmlands Fish Farm/Pond 3	
11. Distance to Sensitive habitat within 100m radius □ Government reserved and designated protected area □ Drinking water source □ Surface water □ Borehole □ Built up Area □ Residential Area □ Commercial/Industrial Area □ Farmlands □ Fish Farm/Pond	
☐ Government reserved and designated protected area ☐ Drinking water source ☐ Surface water ☐ Borehole ☐ Built up Area ☐ Residential Area ☐ Commercial/Industrial Area ☐ Farmlands ☐ Fish Farm/Pond ☐ 3	
☐ Drinking water source ☐ Surface water ☐ Borchole ☐ Built up Area ☐ Residential Area ☐ Commercial/Industrial Area ☐ Farmlands ☐ Fish Farm/Pond ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	
Others (specify)	,m] ,m] ,m] ,m] ,m] ,m]
2. Containment measures put in place:	
□Booms □Trench □ Oyke □ Pit □Natural depression	□None
Others:	
3. Any pictures or video coverage?	
4. Further response/repair initiated as at the time of JIV?	[N]

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15. Was there any disruption to t	the investigation?	ſΥ	I INL	0000102
If yes to item 15 give brief description:				
16. Was JIV delayed? [Y]	PLI	CAB	LE	
Reason(s): Delayed Community Access A Others (specify)		curity Challenges	☐ Access con	straint due to terrain
D. TYPE/NUMBERS OF PROPI	ERTIES, IF ANY,	FOUND WITH	N THE AREA O	F SPREAD OF OIL
S/N Type of Structures Described Barbara Describ	ription Size	Number	MPA Con	nments
SIN Type of crops Young I. PALM TREE THREE 2. RAFIA PALM TEN	Medium TWO NIL	Matured NIL NIL	Quantity FtVC	Comments OK OK
19. Fish/Nets/Ponds S/N Fish/Nets/Ponds Descript 1. POND SHAL		Quantity/Size	Comments	
20. Others (Specify) e.g. Animal Tri S/N Others Description E. GRAPHIC DESCRIPTION OF LEA in the leak report, overview sketch of the s OKORDIA- RUMUEK PE SHOWLING HACKSAW CAUSED BY WIKALOW	K POINT while die should be added	as appendix 1) to the PIP 2:00 0°C	n of the leak point s	OF 14"
	(30	SPILL FO	INT KSAW CUT)
51	14			3
FROM OKORDIA MANIF	ND TO F	RUMUEKP	e	Version 2020/01

FROM OKORDIA MANIFOLD TO RUMUEKPE Version 2020/01
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Blue (Host Community) Page 3 of 8

14"

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

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

S/N	Northing		Easting	
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1	6.473711	5.129683
2	6.473601	5.129886
3	6.473377	5.130075
4	6.473404	5.130226
S	6.4734	5.130392
6	6.473407	5.130466
7	6.473289	5.130398
8	6.473234	5.130349
9	6.473333	5.130207
10	6.473369	5.129989
11	6.473311	5.129938
12	6.473192	5.129891
13	6.473151	5.129826
14	6.473215	5,129756
15	6.473073	5.129718
16	6.47298	5.129474
17	6.473122	5.129352
18	6.473182	5.129449
19	6.473128	5.129522
20	6.473105	5.129499
21	6.473119	
22	6.47321	
23	6.473251	
24	6.473353	
25	6.473524	
26		
27	THE PARTY OF	
28	6.473	
29	6.472971	
30	6.472907	5.130105

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	or report ont	4.00
G. INCIDENT INFORMATION:		

	Contract Manager and Contract				
xmpacted	Area Details *				
	Total calculated area	of impact (Ha	0.31	ha	
	Inspact within SPDC	R.O.W	YES		
	Impact outside SPDC	R.O.W	YES		
l off to 2 dec ss in Hectar	cimal places if orea is ≥ res (Ha)	100 m² or to 4 c	lecimal places if are	ea is < 100 m² (e.g. 1	(4.55, 0.005), 0.0009)
Volume o	of oil recovered before	ore completi	on of JIV (Vrec.);	
		Recov	ered oil Vest	NIL	Barrels
ntrolled r	ecovery/evacuation	from source	with no impact	to environment:	
		NIL	Barrels		
Net Esti	mated Spilled Valu	rme V- (ISS)		01 20	
		The same of the sa	32	3,86 BA	KHELS
ated Repo	137.1	Chblebe			
	orted volume " Vron	LUMBER			
	orted Volume** V _{cop}	LUUISI-	324	+ BARRE	4_8
Reported s	timation was done using an pilled volume is an estimate levant notes taken into cons	excel based tool.(see attached for detail	is on the calculation)	-LS
Reported s	timation was dure using an	excel based tool.(see attached for detail	is on the calculation)	-LS
Reported s	timation was dure using an	excel based tool.(see attached for detail	is on the calculation)	4_8
Reported s	timation was dure using an	excel based tool.(see attached for detail	is on the calculation)	-LS
Reported s	timation was dure using an	excel based tool.(see attached for detail	is on the calculation)	4_8
Reported s	timation was dure using an	excel based tool.(see attached for detail	is on the calculation)	-1_8
Reported s	timation was dure using an	excel based tool.(see attached for detail	is on the calculation)	4_8
Reported s	timation was dure using an	excel based tool.(see attached for detail	is on the calculation)	4_8

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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

7

e. Representatives

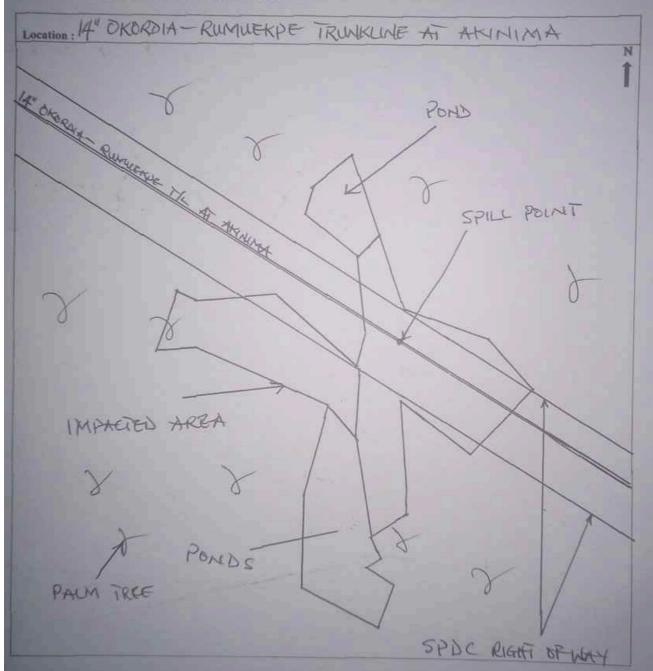
This report was filled, agreed and signed by the following joint investigation team representatives:

- . Host Community:
- . Department of Petroleum Resources [DPR]: 12
- National Oil Spill Detection and Response Agency [NOSDRA]:
- . State Ministry of Environment [SME]: V
- . 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 Q
- Separate SME form has been filled out with same findings \(\sqrt{\sqrt{\chi}} \)

Tick as applicable

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f. Appendix 1: Overview sketch of the site



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g. SIGNATORIES: JOINT INVESTIGATION TEAM MEMBERS

Having read through the JII report, the following representatives append their respective signatures in agreement with the

S/N	Name	Members present	Designation	Signature/Date and Time
1	SAYAU ARDULAZGGZ MUHAMMAD	DEPARTMENT OF PETROLEUM RESOURCES (DPR)	EVAT UPPE REGULATOR	18/02/2021
2	OLUNWA PAUL CHUKMUKA	NATIONAL OIL SPILL DETECTION AND RESPONSE AGENCY (NOSDRA)	100	18/02/2021
3	DEBULU, GP. IJEIJE	STATE MIN. OF ENVIRONMENT	REMISTOR	18/2/20214:45 ARS
4	PATRICK ORIKE	HOST COMMUNITY REPRESENTATIVE	COMMUNITY.	18/02/2021 4 stys
5	OPARA FREEDOM	THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA (SPDC)	JII	34 mile 18/02/2001. 1400HRS
6	TOLKELE BABA	THE NIGERIA POLICE FORCE	CID	8 14:86 W

S/N	ATTESTATION	NAME	SIGNATURE/DATE
1	DPR copy received by		The state of the
2	NOSDRA copy received by:		
3	STATE MINISTRY OF ENVIRONMENT copy received by:		
4	HOST COMMUNITY copy received by:		