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

A. GENERAL INFORMATION:

INCIDENT NO: 2225804 JIV report S/N:0193

A. GENERAL INFORMATION:			
1. Spill incident Number: 2225804	2. Type of incident*_	OIL SPILL	
3. Name of Location $\frac{14^{"}}{\sqrt{4}} \frac{OKORA/A}{\sqrt{4}} - \frac{1}{\sqrt{4}}$	RUMILIERPE PIP	ELINE	
1. Name of nearest community ULA - IKATA	5. State: RIVER 6.	LGA A HO A DA	
7. Type of Production facility/Installation OIL PIF	ELINE WALL	e de la companya de l	
B. Asset owner/District THE SHELL PETRO LTD (SPDC)/PIF B. INCIDENT INFORMATION:	PELINE DEVELO	OPMENT COMPANY OF	: NIGERIA
b. Start date/time of investigation: 13 TH DECEMBER 2 c. Investigation End date: 15 TH DECEMBER 4 d. Description of spill point environment	EMBER 2018 /1	y OCHRS on, days: THREE (3) DAYS	
☐Firm soil ☐Loose so	oil 🔽	Recently excavated area	
☐ Under water ☐ Swampy ☐ Well Platform (on Water) ☐ Drill Ri	,	Exposed pipe surface	
Additional observations around the spill point:			
NOT API	PLICA	BLE	
e. Description of leak point (tick as applicable); ☐ Drilled hole ☐ Complete Rupture ☐ Failed Weld-on illegal hot tap valve ☐ Crude oil theft (illegal bunkering) point ☐ Third party tampering with valve setting ☐ Flare System/Bund wall failure ☐ Valve Failure ☐ Corrosion	Hack saw cut Inward dent Failed Clamp Saver-pit over flow Bulging Outward Cold vent Relief valve failure Others(specify)	☐ Tear (☐ Well head tampering ☐ Missing Pipeline/Flowline ☐ Third party tampering with Clar ☐ Third party tampering with flan ☐ Surge vessel overflow ☐ Aceidental 3 rd party equipment in	m p ge
f. Incident caused by: ☐Third party interference (Sabotage☐; erude ☐Operational ☐ Mystery spills	theft□; Line theft□; Accide □ Others(specify)	ental 3 rd party damage□)	

^{*}This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire. Version 2018/01
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g. Spill point coordina Measuring unit	ntes WGS	\$/ Ц					
NI 4 h	LATITUD			Easting:	ONGI	TUDE	
	5 0514	5		6-5	8284	TUDE 4	
	·						
C. RISK ASSESSMEN	IT						
10. Type of environr	nent:			•			
□ Land	□Swamp	□wat	er	☐Seasonal sv	vamp	Shoreline/Wa	iterfront
i. Type of	environment to whi	ch oil has	spread:				
Land	☐Swamp	□v	Vater	☐River (identify)		
ii. Weathe	r condition						
□Rain	Sunny	☑ Dry	□wet	□Windy	□Hot	□cool	
11. Distance from th	e nearest sensitive h	abitat					
☐ Government ☐ Drinking word ☐ Built up ar ☐ Farmlands ☐ Fish Farmword ☐ Fishing ne ☐ Others (spe	ca Pond t	gnated pro	tected area			BE BRON HTIW I NIDIV	
12. Containment me	asures put in place;						
Booms	□т	rench	Dyke	☑Natural d	epression	□Pit	□None
Others:							
13. Any pictures or	video coverage?			WT [N]		
14. Further response	e/repair initiated as a	t the time	of JIV?	M [N]		
If yes to item 14, give brief	description: REPAIR	B	Y CL	AM PINC	<u> </u>		
15. Was there any d	isruption to the inve	stigation?		[X] [N]		

If yes to item 15 give brief description:

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THE HOST COMMUNITY DID NOT ALLOW JIV TO HOLD ON ISTHAND

19. Others (Specify) i.e. Animal Traps S/N Others Description Quantity/Size Comments A A A A A A A A A A A A A A A A A A A	/N Type of Structures	Description	Size	Number	Comm	ents
Type of crops Young Medium Matured Quantity Comments 18. Fishing Nets/Fish Ponds 19. Others (Specify) i.e. Animal Traps 19. Others (Specify) i.e. Animal Traps 19. Others (Description Quantity/Size Comments 19. Others (Specify) i.e. Animal Traps 19. Others (Specify) i.e. Animal Tr	VONE WIT	HIN	ARE	ACF	MPA	CT
18. Fishing Nets/Fish Ponds S/N Nets/Ponds Description Quantity/Size Comments 19. Others (Specify) i.e. Animal Traps S/N Others Description Quantity/Size Comments ARE ARE ARE ARE COMMENTS ARE ARE ARE ARE LEAK POINT (while detailed report of the leak point should be contained to leak report, overview sketch of the site should be added as an appendix 1) ARE						
S/N Nets/Ponds Description Quantity/Size Comments A CF MPACT 19. Others (Specify) i.e. Animal Traps S/N Others Description Quantity/Size Comments A CF MPACT A CF MPACT A GRAPHIC DESCRIPTION OF LEAK POINT (while detailed report of the leak point should be contained to leak report, overview sketch of the site should be added as an appendix 1) A SECTICN OF KORDIA - RUMUEK PE PIPELINE AT ULA-IKATA SHOWINDOWN DRILLED HOLE AT 10 C'CLOCK POSITION BY UNKALDS ERSONS.	/N Type of crops Young		Medium	Matured	Quantity	Comments
S/N Nets/Ponds Description Quantity/Size Comments A CF MPACT 19. Others (Specify) i.e. Animal Traps S/N Others Description Quantity/Size Comments A CF MPACT C. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed report of the leak point should be contained to leak report, overview sketch of the site should be added as an appendix 1) A SECTICN OF KORDIA - RUMUEK PE PIPELINE AT ULA-IKATA SHOWINDOWN DRILLED HOLE AT 15 C'CLOCK POSITION BY UNKALDS ERSONS.	WONE WITH	1/1	ARE	AOF	IMPA	CT
S/N Nets/Ponds Description Quantity/Size Comments A CF MPACT 19. Others (Specify) i.e. Animal Traps S/N Others Description Quantity/Size Comments A CF MPACT C. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed report of the leak point should be contained he leak report, overview sketch of the site should be added as an appendix 1) A SECTICN OF SKORDIA - RUMUEK PE PIPELINE AT ULA-IKATA SHOWIND DRILLED HOLE AT 10 C'CLOCK POSITION BY UNKALDS ERSONS	18. Fishing Nets/Fish Ponds				L	· · · · · · · · · · · · · · · · · · ·
S/N Others Description Quantity/Size Comments ARE ARE ARE MPACT C. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed report of the leak point should be contained the leak report, overview sketch of the site should be added as an appendix 1) ASECTION OF SKORDIA - RUMUEK PE PIPELINE AT ULA-IKATA SHOWIND DRILLED HOLE AT IC C'CLOCK POSITION BY UNKAIND ERSONS.		escription		Quantity/Size	Comments	
S/N Others Description Quantity/Size Comments A C F MPACT E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed report of the leak point should be contained the leak report, overview sketch of the site should be added as an appendix 1) A SECTION OF OKORDIA - RUMUEK PE PIPELINE AT ULA-IKATA SHOWIND DRILLED HOLE AT 10 C'CLOCK POSITION BY UNKAIND ERSONS.	NONE WITH	11/1 -	ARE	A CF	IMPF	KT
GRAPHIC DESCRIPTION OF LEAK POINT (while detailed report of the leak point should be contained the leak report, overview sketch of the site should be added as an appendix I) A SECTION OF DEKORDIA - RUMUEK PE PIPELINE AT ULA-IKATA SHOWINDOWN DRILLED HOLE AT 10 C'CLOCK POSITION BY UNKAIND ERSONS.	19. Others (Specify) i.e. Anir	nal Traps				
The leak report, overview sketch of the site should be added as an appendix 1) A SECTION OF KORDIA - RUMUEKPE PIPELINE AT ULA-IKATA SHOWIND DAM DRILLED HOLE AT 10 O'CLOCK POSITION BY UNKALD ERSONS.	/N Others De	escription		Quantity/Size	Comments	
The leak report, overview sketch of the site should be added as an appendix 1) A SECTION OF KORDIA - RUMUEKPE PIPELINE AT ULA-IKATA SHOWIND DAM DRILLED HOLE AT 10 O'CLOCK POSITION BY UNKALD ERSONS.	NONE WIT	HIN +	ARE.	A OF	IMPA	CT
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JOMM DRILLED HOLE AT 1	RSONS.					
10mm DRILLED HOLE AT 1 PCSITION						
10mm DRILLED HOLE AT 1					•	
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				1 March 1	けんげんゆわ せいか	
				POSIT	LON HOY	••

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TO

OKORDIA

RUMUEKPE

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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)

S/N	Northing	Easting
307	5.05146	6.58293
308	5.05133	6.5881
309	5.05/19	6.58318
310	5.05118	6.58327
311	5.05119	6.58329
312	5.05118	6.5833
313	5.05115	6.58328
"	5.0509	6.58346
315	5 05082	6.58355
316	5.05152	6.58286
1	5.05144	6.58279
	5.05137	6.58288
	5.05136	6.58288
	5.05/46	6.58296
333	5.05074	6.58 347
- 15 <u>- 15- 15- 15- 15- 15- 15- 15- 15- 15- 15</u>		A SULVENIENCE AND A

INCIDENT NO: 2225 804 JIV report S/N: 0193

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a.	Impacted	Area	Details
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•	Total calculated area of impact	0.147	5 Ha
•	Impact within R.O.W	YES	· · · · · · · · · · · · · · · · · · ·
•	Impact outside R.O.W	YES	

b. Volume of oil recovered before completion of JIV (V_{recJ}):

Recovered oil V _{rec.J} :	NIL	Barrels
		· ·

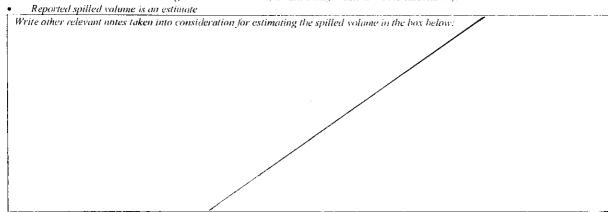
Controlled recovery/evacuation from source with no impact to environment:

NIL	Barrels

c. Net Estimated Spilled Volume V _{Est} (l	bbls)* =
	21.55 BBCs
Estimated Reported Volume** V _{rep} (bbls)=	22 BARRELS

*Notes:

Volume estimation was drive 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^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 1 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 volume 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

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
Th	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]:
1	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

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f. Appendix 1: Overview sketch of the site

