INCIDENT NO: 29935	JIV re	eport S/N:000908			
(Note: As practicable as possible the JH report is to	be signed in the field by al	the participating parties)			
A. GENERAL INFORMATION:					
1. Fountain Incident Number: 2993510	2. Type of inc	ident OIL SPILL & FIRE			
3. Name of Location 14" OKORDIA - RUI					
4. Name of nearest community IHYONO 5. State: RIVERS 6. LGA AHOADA EAST					
라이트 : 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	PELINE				
S 1 SWELL BETRALE	-UND DEVEL APME	ENT CONDRANT DE			
8. Asser Owner Hub IKE SHELL PETROLE B. INCIDENT INFORMATION:	SPDC/PIPELIN				
9. Details of incident a. Date Reported: 17th July 2021					
b. Start date/time of Investigation: 1914 July	(2021/1250HB				
c. Investigation End date: 19th July 2	02 Day(s)	on site: ONE DAY			
d. Description of spill point environment					
□Firm soil □Loose s	soil	Recently excavated area			
□Under water □Swamp	y	☐Exposed pipe surface			
☐Well Platform (on water) ☐Drill R	ìg	\square Sand bag(s)			
Additional observations around the spill point:					
B. M. F. O.	1 1 1 2 21				
BURNT CRUDE OI	L AND ZOIL				
e. Description of leak point (tick as applicable);	_	_			
✓Smooth round-edge hole	☐Rough-edge hole	Hack saw cut			
☐Complete Rupture ☐Failed Weld-on illegal hot tap valve	☐ Inward dent, ☐ Failed Clamp,	☐ Well head tampering ☐ 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 □; Ac	cidental 3rd party damage [1])			
	Mystery spills)				
This can be (a) Oil Smill (b) Duilling Suid (Chamina) (a) Silvation (d)	Water Lank (a) Face (D.)				

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h. N	leasuring unit		198 84	Easting:		
	Northing:			Easing:		
		4.9985	12	6.6	6574	
					/	
c. RISH	ASSESSMEN	NT				
10.	Details of Envi	ironment				
i.	Type of en	vironment where s	pill occurred (se	elect one):		
	Land	□Swamp	□Water	☐ Seasonal	I swamp Sho	reline/Waterfront
ii.	Type of en	vironment to whic	h oil has spread	:		
	□Land	Swamp	□Waterbody	(specify)		
iii.	Weather co	ondition				
	Dry	□Wet	Windy	□Hot		
11.	Distance to Se	nsitive habitat with	hin 100m radius			
		ent reserved and desi	ignated protected	area [VE SEEN
		ace water Be	prehole	L	,m] , , , ,	HE SEEN HIN VICINITY
	□ Built up A □Resid		mmercial/Industria	[I Area	#IM \III	tin Vicini It
	☐ Farmlands ☐ Fish Farm]	,m]	
	☐ Fishing ne	t		Ĺ	,E] ,E] ,E, ,E,	
	□ Others (sp	ecity)		l	,III)	
12.		easures put in place:	,		V	
	□Booms □	Trench Dyke	□ Pit ☑Nat	tural depression	□None	
	Others:					
13.	Any pictures or	video coverage?		[*/]	[N]	
14.	Further respons	se/repair initiated as	at the time of JT	V? [¥]	[N]	
If yes to it	em 14, give brief	description:				
	PFDA	IR BY	AID	MPING	<u> </u>	
	TULL	111	U-11	1111 1114		

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15. Was there any disruption to the investigation? [Y]
If yes to item 15 give brief description: APPLICABLE
16. Was JIV delayed? [Y] [V]
Reason(s): Delayed Community Access Approval Security Challenges Access constraint due to terrain Others (specify) 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 SEEN MITHIN AREA OF IMPACT
18. Crops Economic Trees S/N Type of crops Young Medium Matured Quantity Comments
NONE SEEN WITHIN AREA OF IMPACT
19. Fish/Nets/Ponds
NONE SET MITHIN AREA OF MPACT
20. Others (Specify) e.g. Animal Traps
S/N Others Description Quantity/Size Comments
NONE SEEN MITHIN THEFT OF IMPACT
E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak point should be contained in the leak report, overview sketch of the site should be added as appendix 1) A SECTION OF 14" OKODIA—KUMUEKPE PIPELINE AT IHUOWO SHOWING A QOMM DIAMETER DRILLED HOLE AT 12 O'CLOCK POSITION BY TINKNOWN PERSON(S).
20MM DIAMETER DRILLED HOLE AT 120 CLOCK POSITION/SPILL POINT
14" \$5 D14" OKORDIA-
OKODIA TO RUMUEKPE PIPELINE
Olivin 10 Mahatine

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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)

5/N	Northing	Lasting
1.	4.99822	6.6657
2.	4.99818	6.66562
3.	4.99804	6.66.564
4.	4.99789	6.66573
5.	4 99761	6.66585
6.	4.99743	6.6659
7.	4.99722	6.66.574
8.	4.99698	6.66561
9.	4.99684	6.68552
10.	4.99615	6.66531
11.	4.99623	6,66607
12.	4.9966	6.66637
13.	4.99693	6.66641
14.	4.9975	6.66603
15.	4.9979	6.66599
16.	4.9982	6.66578
17.	4.99796	6.6658

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G. INCIDENT INFORMATION:	
a. Impacted Area Details *	
Total calculated area of impact (IIa)	
Impact within SPDC R.O.W	
Impact outside SPDC R.O.W YES	
 Round off to 2 decimal places if area is ≥ 100 m² or to 4 decimal places if area is < 100 m² (e.g. 14.55, 0.0051, 0.00 Express in Hectares (Ha) 	79)
b. Volume of oil recovered before completion of JIV (Vrect):	
Recovered oil V _{eed} NIL	els
Controlled recovery/evacuation from source with no impact to environment: NIL Barrels	
*Notes *Notes * Volume estimation was done using an excel based tool (see attached for details on the calculation) *Reported volume is an estimate *Write other relevant notes taken into consideration for volume estimation or cause of spill:	
BURNT CRUDE OIL, SOIL AND VEGETATU	NC
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimation softw. 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.	are on site,
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 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	
i.	Joint investigation of the incident site found that there is no residual impact after the init	ial response and JIT

c. Representatives

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

ii. Investigation of the incident site showed that there is residual impact on site requiring further works

- 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
- 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

