INCIDENT NO: 2825128 JIV report S/N:

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ote: As practicable as possible the JIT report is to be signed in the field by all the participating parties)
. GENERAL INFORMATION:
Fountain Incident Number: 2825128 2. Type of incident* OIL SPILL
Name of Location 8° NKALI - MOR 2 DELIVERY LINE (DL)
. Name of nearest community ODAGWA 5. State: RIVERS 6. LGA ETCHE
. Production Facility/Installation PIPELINE
Asset Owner/Hub THE SHELL PETROLEYM DEVELOPMENT COMPANY OF NIGERIA LIMITED LIMITED (SPDC) PIPELINE B. INCIDENT INFORMATION:
Details of incident a. Date Reported: 2ND JANUARY, 2021 b. Start date/time of Investigation: 4TK JANUARY, 2021 330 4RS c. Investigation End date: 4TK JANUARY, 2021 Day(s) on site: 0NE DAY d. Description of spill point environment Firm soil Description D
NOT APPLICABLE
e. Description of leak point (tick as applicable); Smooth round-edge hole Complete Rupture Inward dent, Failed Clamp, Failed Clamp, Third party tampering with Clamp Third party tampering with valve setting Flare System/Bund wall failure Cold vent Relief valve failure Relief valve failure Incident caused by: Incident caused by: Third party interference (Sabotage D; crude theft D; Line theft D; Accidental 3rd party damage D) Conceptional
Operational Others (including Mystery spills)
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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				JIV repo		
g. S	pill Point Coord	inates (*Incidents \le \lambda \le \lambda \le \lambda \le \lambda \le \lambda \le \lambda \le	100m apart to be a	ggregated into one Joi	nt Investigation Report)	
h. N	Northing:	M93 84		Easting:		
				Dasting.	• • • • • • • • • • • • • • • • • • • •	
		4.9855	7	7.1447.	7.14472	
			,			
	K ASSESSME					
10.	Details of Env	ironment				
. i.	Type of en	vironment where s	spill occurred (sel	ect one):		
	Land	□Swamp	□Water	☐Seasonal swamp	☐Shoreline/Waterfront	
· ii.	Type of en	vironment to which	h oil has spread:		. , , , , ,	
	□ Land	Swamp	□Waterbody (s	specify)		
iii.	Weather co	ondition				
	Dry	□Wet	□ Windy	☑Hot		
11.	Distance to Sen	sitive habitat with	in 100m radius			
	□ Surface □ Built up Ar	ce water Borden ea ential Area Con		[,m] ea [&C ,m] ,m] [,m] [,m]		
12, (Containment mea	sures put in place:		("m]		
			✓Pit □Natural	depression. DNone		
	Others:			depression. Mone		
13. A	Any pictures or vi	deo coverage?		INI INI		
		repair initiated as at	the time of 111/0	2		
	m 14, give brief de		time of MA	[N] [N]		
MEAN STATE		BY CLA	MPINGH	ERUDE OIL	250000	

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15. Was there any disruption to the investigation? [Y]
If yes to item 15 give brief description: NOT APPLICABLE
NOT APPLICABLE 16. Was JIV delayed? [Y] [W]
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 OIL17. Structures / Properties
S/N Type of Structures Description Size Number Comments NONE SEEN ATTACK.
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 report, overview sketch of the site should be added as appendix 1) A SECTION OF 8" NKALI—IMOR 2 DELINERY LINE AT ODAGWA SHOKNING I" NIPPLE BURIED INSIDE A CONCRETE CAST AT 12 O'CLOCK POSITION BY UNKNOWN PERSON(S).
- I"NIPPLE BURIED IN CONCRETE SPILL POINT
S" 1 CONCRETE CAST O 1 1 MOR 2 bl
NKALI TO IMOR D Version 2020/01 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)

S/N	Northing	Easting
1.	4.98555	7-14476
2.	4.98549	7/14475
3.	4,98547	7.14469
4.	4.98553	7.1447
5.	4.98562	7.1447
6.	4.98564	7.14475
7.	4-98563	7144 88
8.	4.98563	7-14496
٩.	4.98565	7-14\$09
10.	4-98563	7:14507
tl	4.98562	7.145
12.	4.98559	7.14499
13.	4.98559	7.14495
14.	4-98561	7.14495
15.	4.9856	7.14488
16.	4-98558	7.14481
17.	4.58553	7-14484
18.	4.98554	7.14482
19.	4.98555	7.14481
20.	4.98557	7.1448
3		

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G. INCIDENT INFORMATION:
a. Impacted Area Details *
Total calculated area of impact (Ha) OO3HA
Impact within SPDC R.O.W YES
Impact outside SPDC R.O.W
* 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, 0.0009) * Express in Hectares (Ha)
b. Volume of oil recovered before completion of JIV (V _{rec.I}):
Recovered oil VreeJ: BARREL Barrels
Controlled recovery/evacuation from source with no impact to environment:
c. Net Estimated Spilled Volume V _{Est} (bbls)* = 2.90BARRELS
Estimated Reported Volume** Vrep(bbls)= 3BARRELS
JINICKS
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:
NOT 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; onversion 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.
Amerever this estimation tool is not applicable please refer to paragraph 6c (Deviations) of the JIV procedure to use appropriate steps for column stimation; 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 therefore recommend that the site be closed out	the initial response and JIT
ii. Investigation of the incident site showed that there is residual impact on site requi	ring further works
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 □	
Separate NOSDR4 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

LOCATION: 8" NKALI - MOR 2 DELIVERY LINE AT ODAGWA
N Î
SPOCRIGHT OF SPILL POINT
8"NKAL-IMOR2 IMPACTED AREA
TYXX PAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
LIGHT VEKETATION P
CASSAVA FARM YYYYY P P P P P
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

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