INCIDENT NO: 2906514 JIV report S/N:000851

(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: 2906514 2. Type of incident* OIL SPILL 3. Name of Location 8" AFAM WELL 27 T FLOWLINE 4. Name of nearest community EGBERU 5. State: RIVERS 6. LGA OYIGBO 7. Production Facility/Installation OIL FLOWLINE 8. Asset Owner/Hub THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA SPDC)/LAND 9. Details of incident a. Date Reported: 31ST MARCH 2021 b. Start date/time of Investigation: 2ND APRIL 2021/11 0 0HRS c. Investigation End date: 2ND APRIL 2021 Day(s) on site: TWO (2) DAYS d. Description of spill point environment Recently excavated area Loose soil ☐Firm soil Under water Swampy Exposed pipe surface ☐ Well Platform (on water) Drill Rig ☐ Sand bag(s) Additional observations around the spill point: e. Description of leak point (tick as applicable); ☐ Hack saw cut Rough-edge hole ☐ Smooth round-edge hole ☐ Well head tampering Inward dent, Complete Rupture ☐ Missing Pipeline/Flowline Failed Clamp, Failed Weld-on illegal hot tap valve ☐ Third party tampering with Clamp ☐ Saver-pit over flow Crude oil theft (illegal bunkering) point, ☐ Third party tampering with flange, ☐ Bulging Outward ☐ Third party tampering with valve setting ☐ Surge vessel overflow, Cold vent ☐ Flare System/Bund wall failure Relief valve failure Accidental 3rd party equipment impact ☐ Valve Failure Tear (Others (specify) f. Incident caused by: ☐ Third party interference (Sabotage ☐; crude theft ☐; Accidental 3rd party damage ☐) Others (including Mystery spills) ☐ Operational *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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	Northing:	W G	S 84 Easting:	
	4.826	18	7.29946	
RISK	ASSESSMENT			
10. I	Details of Environment			¥. ·
i.	Type of environment	where spill occurred (s	select one):	
	☑Land □Sw	vamp	☐Seasonal swamp [Shoreline/Waterfron
ii.	Type of environment	to which oil has spread	d:	
	☑Land □Sv	wamp	y (specify)	
iii.	Weather condition			*
	☑Dry □w	et □Windy	□Hot	
11. I	Distance to Sensitive hab	oitat within 100m radius	5	
	☐ Government reserved ☐ Drinking water source ☐ Surface water ☐ Built up Area ☐ Residential Area ☐ Fish Farm/Pond ☐ Fishing net ☐ Others (specify)	and designated protected e □Borehole □Commercial/Industria	[,m] }	NONE SEED WITHIN VICINITY
12. 0	Containment measures put	in place:		
	☑Booms ☐Trench ☐	Dyke Pit Nat	tural depression None	
	Others:			
13. /	Any pictures or video cover	rage?	[W] [N]	2
	Further response/repair ini	tiated as at the time of JIV	v? [W] [N]	
14.	I di thei response/repair in			

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15. Was there any disruption to the inv	estigation?	[Y]	NAT		
If yes to item 15 give brief description:	~	~ ~			
- ALAT A	201		A T	· .	-
NOTA	PPL	10	T	SI	
16. Was JIV delayed? [Y] N	Ч				
Reason(s): NOT APPLICAB Delayed Community Access Approv Others (specify)	SLE al Security	/ Challenges	☐ Acces	s constr	aint due to terrain
D. TYPE/NUMBERS OF PROPERTIE17. Structures / Properties	S, IF ANY, FO	U ND WITHIN	THE ARI	EA OF S	SPREAD OF OIL
S/N Type of Structures Description	Size	Number		Comn	nents
NONE WITHIN	ARE	A 0	F	April Control of the Control	ACT
18. Crops/Economic Trees					7.00
S/N Type of crops Young	Medium	Matured	Quanti	tv	Comments
I CASSAVA YES			MAM		IMPACTED
19. Fish/Nets/Ponds			J		1
S/N Fish/Nets/Ponds Description		Quantity/Size	Commen	its	
NONE WITHIN	1 ARI	EA OF	: IM	PA	CT
20. Others (Specify) e.g. Animal Traps					7
S/N Others Description		Quantity/Size	Comme	nts	
NONE WITHIN	ARE	A OF	IMF	PAC	T
E. GRAPHIC DESCRIPTION OF LEAK PO	1				
in the leak report, overview sketch of the site shi WELL 27T FLOWLINE AT	ould be added as	appendix 1) A	SEC	TION	I OF ACAM
VALVE INSTALLED AT 12 PERSONS.	O, CYOCK	POSITI	ON B	y w	NKNOWN
SPILL POINT	The same of the sa		6	77	
1.5" VALVES)-	YALV	E HM	Pre	,
\(\int_{\\ 8^{\mu}}\)					

WELL 27 TO FLOWENC STATION Version 2020/01
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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)

SN	Northing	Easting
	4.82622	7.29933
2	4.82626	7.29963
3	4.82610	7.29967
4	4.82605	7.29984
5	4.82608	7.29921
6	4-82622	7.29928
/		

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G.	INCIDENT	INFORMATION:

a. Impacted Area Details *	
 Total calculated area of impact (Ha) 0 · 083 	
Impact within SPDC R.O.W YES	
• Impact outside SPDC R.O.W	
Cound off to 2 decimal places if area is $\geq 100~m^2$ or to 4 decimal places if area is $< 100~m^2$ (e.g. 14.5 express in Hectares (Ha)	5, 0.0051, 0.0009)
o. Volume of oil recovered before completion of JIV (VrecJ):	
Recovered oil V _{reeJ} : NIL	Barrels
Controlled recovery/evacuation from source with no impact to environment:	
NIL Barrels	
N. D.C. 1.10 W. LYY	
c. Net Estimated Spilled Volume V _{Est} (bbls)* =	
1.47 BARREL	
4 1 OHRKEL	3
والمراجع والم	
stimated Reported Volume** V _{rep} (bbls)=	
2 BARRELS	
tes: 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:	
	•

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 I 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 column estimation; record the calculation in a plain sheet of paper and attach to the JIV report.

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-	V202077 1997	1900		
-	General	C4 - 4		9.0
	4 - 4 116 1 21	2131116	OI THO	CITO

- 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

V

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 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

Location: 8" AFAM WELL 277	FLOV	ULINE	AT	EGBER	zu
Y BUSH Y Y	Υ	\sim		~	7
Y Y	Υ		Υ	_	γ
L. KATHA	n uni				
Po	PILL SINT		IMP.	ACTES EA	Υ
SPDC RIGHT OF WAY BOUNDARIES	?	Υ		~	~~
T T	γ	Bus	4	٢	8