INCIDENT NO: 549337 JIV report S/N: JOINT INVESTIGATION REPORT¹

0000110

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

1. Fountain Incident Number: 5 4 9 3. Name of Location 28" BOM 6 4. Name of nearest community BOD		of incident OIL SPILL
4. Name of nearest community BOD	U - BONNY	PIPELINE
	5. State: RIV 6	ERSG. LGA GOKANA
7. Production Facility/InstallationO/L	PIPELINE	
8. Asset Owner/Hub THE SHELL OF NIGERIA B. INCIDENT INFORMATION:	PETROLEUM 1 LTD (SPDC)/PIPE	LINE
9. Details of incident		
a. Date Reported: 3Rb AUGUS	7 2022 b. JIV Stan d	ate/time: 47H AUGUST 2022
		vestigation Duration: FOUR (4) DAYS
e. Description of incident point environment	nent	
☐Firm soil	□Loose soil	☐Recently excavated area
☐Under water	Swampy	☐Exposed pipe surface
	Drill Rig pill point: THE SPILL 98% OF THE	USand bag(s) IS MORE OF WATER. LEAK
Additional observations around the s	spill point: THE SPILE	IS MORE OF WATER.
Additional observations around the s	spill point: THE SPILE 98% OF THE able);	IS MORE OF WATER,
Additional observations around the s WATER IS OVER Description of leak point (tick as applications)	spill point: THE SPILE 98% OF THE able); **Rough-edge hole**	IS MORE OF WATER.
Additional observations around the s WATER IS OVER Description of leak point (tick as applications) Smooth round-edge hole Complete Rupture	able); Inward dent,	U Straight cut (Similar to back saw cut) D Well head tampering
Additional observations around the s WATER IS GYER Description of leak point (tick as applica Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve	able); Rough-edge hole Failed Clamp,	U Straight cut (Similar to back saw cut) D Well head tampering Saver-pt over flow
Additional observations around the s WATER IS OVER Description of leak point (tick as applicated as a point of leak point) Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve 3rd Party removal of Pipeline/Flow	able); Rough-edge hole Inward dent, Failed Clamp, Spill point: THE SPILE PASS OF THE ABLE ABLE ABLE Spill point: THE SPILE ABLE ABLE	U Straight cut (Similar to back saw cut) O Well head tampering Saver-pt over flow heft (illegal bunkering) point,
Additional observations around the s WATER IS OVER Description of leak point (tick as applications) Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve 3rd Party removal of Pipeline/Flow	able); Rough-edge hole Inward dent, Failed Clamp, Crude oil to 3rd tampering with valve	U Straight cut (Similar to hack saw cut) D Well head tampering Saver-p:t over flow heft (illegal bunkering) point, e setting Bulging Outward
Additional observations around the s WATER IS OVER Description of leak point (tick as applica Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve 3rd Party removal of Pipeline/Flow 3rd tampering with Clamp 3rd tampering with flange,	able); Arough-edge hole Inward dent, Failed Clamp, line/Clamp Crude oil to Start System/Bund wall fa	Straight cut (Similar to back saw cut) O Well bead tampering Saver-p-t over flow theft (illegal bunkering) point, e setting Surge vessel overflow,
Additional observations around the s WATER IS OVER Description of leak point (tick as applications) Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve 3rd Party removal of Pipeline/Flow	able); Arough-edge hole Inward dent, Failed Clamp, line/Clamp Crude oil to Start System/Bund wall fa	U Straight cut (Similar to hack saw cut) D Well head tampering Saver-p:t over flow heft (illegal bunkering) point, e setting Bulging Outward
Additional observations around the s WATER IS GYER Description of leak point (tick as applica Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve 3rd Party removal of Pipeline/Flow 3rd tampering with Clamp 3rd tampering with flange, Valve Failure Others(specify)	able); Arough-edge hole Inward dent, Failed Clamp, line/Clamp Crude oil to Start System/Bund wall fa	Straight cut (Similar to back saw cut) O Well bead tampering Saver-p-t over flow theft (illegal bunkering) point, e setting Surge vessel overflow,
Additional observations around the s WATER IS GYER Description of leak point (tick as applica Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve 3rd Party removal of Pipeline/Flow 3rd tampering with Clamp 3rd tampering with flange, Valve Failure Others(specify) g. Incident caused by:	able); Able); Able); Able); Accidental 3rd party equi	Straight cut (Similar to back saw cut) O Well bead tampering Saver-p-t over flow theft (illegal bunkering) point, e setting Surge vessel overflow,

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	h. Incident point co	oordinates (Measurir	ng unit:
D2f	atitude 🗆 Northing		☑Longitude: ☐ Easting
	4.6151	44	7 · 2671
	ESSMENT s of Environment		
	pe of environment when	re incident occurre	(calact one)
⊠ tan		□ Water	Seasonal swamp Shereline/Waterfron
ii. T	ype of environment to w	hich oil has spread	
	and, Swamp,	☐ Waterbod	y (specify)
iii. W	cather condition		
₽í	Dry Dwet	□Windy □	Hot
	nce to Sensitive habitat v		1941
	Government reserved and of Drinking water source Surface water	designated protected	area [,m] [,m]
2	Built up area		[IMPACTEM]
37	☑Residential Area ☐ Farmlands	Commercial/Industria	[IMFACTOIN]
	Fish Farm/Pond		[,m]
	Fishing net Others (specify)		["m] [m,]
12. Contai	nment measures put in pla	ce:	20 00 PM
	Booms Trench Dyl		ural depression None
	Others:_		
13. Any pi	ctures or video coverage?		W7 [N]
14. Furth	er response/repair initiated	as at the time of JIV	? [W] [N]
s to item 14,	give brief description:		
		ONSE / L	EAK REPAIR

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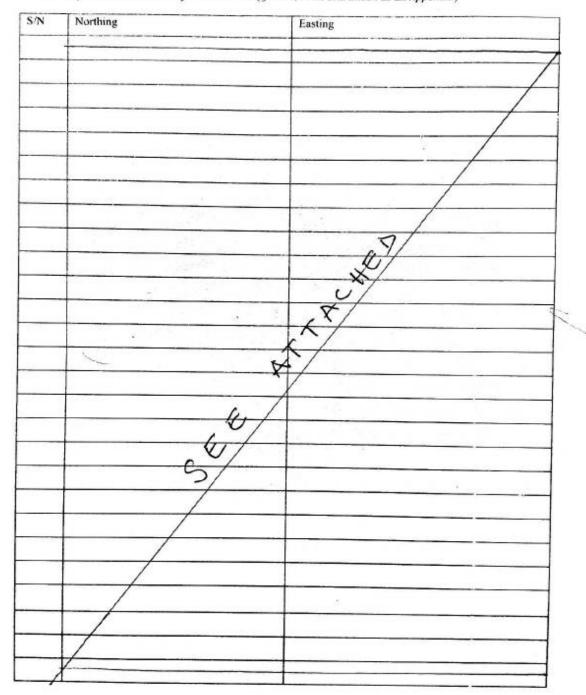
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	6. Was JIV delayed?	[Y] [W	1			
	Reason(s):					
	Delayed Commun	ity Access Approva	d Securit	y Challenges	Access of	constraint due to terra
	Others(specify)				-	
D.	TYPE/NUMBERS	OF PROPERTIES	E IE ANV FO	FINIS SUPPLIES:	THE ANEA	OF CORP. IS OF O
17	. Structures / Proper	rties	5, IF A.VI, FO	OND WITHIN	THE AREA	OF SPREAD OF O
•	Type of Structures			Number		Comments
	BUNGALOW	UNPLASTE	AED WALL	ONE (1)		IMPACTED
=				-		
18	. Crops/Economic Tro	ees	_			
1	Type of crops Yo	oung	Medium	Matured	Quantity	Comments
	CASSAVA/MEIO	W YES	YES	YES	MANY	IMPACTE
_	COCONUB/COLOS	AM YES	YES A	- C OCONUTY	MANY	COLOYAM
19	PLANTAIN/BITT	UR LEAF	YES	MATURE	COKRO	WAS IMPACTE
ī	Fish/Nets/Ponds	Description		Quantity/Size	<u> </u>	
		- Secription		Quantity/Size	Comments	
					_	
	Others (Specify) i.e.		_	8.200 - 1.20-21 IN ANY - 1		
_	Others	Description		Quantity/Size	Comment	\$
-	GURYA	MEDIUM			IMPAC	CTED
		1				
R	APHIC DESCRIPTION	ON OF LEAK PO	INT (while det	ail report of the l	eak noint ch	ould be sent in 11
rej	port, overview sketch o	of the site should be	added as an ap	ppendix 1) A S	ECTIO	N DE 19"
4	U - BONNY	PIPELINE	EATR	040 540	144.50	N OF 28
	U - BONNY	10-10 P		11 11 -	WING	KOUGH-ED
	E AT 6 D'C	LUCK F	03/1/0	N, DUE	TO E	QUIPMENT
•	URE.					
•						
•						
•						
•						
•						
•			RO	UGH-ENER	111. 0	
•			R0 60	UGH-EDGE	HOLE	AT
•			R0 60	UGH-EDGE CLOCK P	HOLE	AT DN/SPILL POIN
•		o ell	80 60	LLOCK P	HOLE	AT PN/SPILL POIN
•		28"	80 60	LLOCK F	HOLE	AT PN/SPILL POIN

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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 an Appendix)



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NT_ISD LAT		LONG
1	4.61519	7.26699
2	4.61526	7.26702
3	4.61523	7.26707
4	4.61516	7.26714
5	4.6151	7.26716
6	4.61511	7.26709
7	4.61506	7.26704
8	4.61488	7.26692
9	4.61489	7.26696
10	4.61487	7.267
11	4.61478	7.267
12	4.61476	7.26694
13	4.61479	7.26691
14	4.61467	7.26682
15	4.61465	7.26683
16	4.61464	7.26686
17	4.61453	7.26683
18	4.61453	7.26677
19	4.61456	7.26677
20	4.61455	7.26673
21	4.61455	7.2667
22	4.61466	7.26677
23	4.61481	7.26689
24	4.61489	7.2669
25	4.61507	7.26702
26	4.61518	7.26703
SP	4.61524	7.2671

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G. INCIDENT INFORMATION:

	LISTORMATIO				
a. Impac	ted Area Details	, *			
112		2000		/	
ં		d area of impact (Ha)_		Ha	
•		SPDC R.O.W	YES_		
• • • • •		SPDC R.O.W	YES		
 Kound off to 2 Express in Hee 	decimal places if an tares (Ha)	ea is $\geq 100 \text{ m}^2$ or to 4 deci	imal places if are is s	100 m² (e.g. 14.55,	0.0051, 0.0009;
t Value		12-2-1-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			
b. <u>volum</u>		d before completion			
Cantualla		2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	ed oil V _{ree}	2	Barrels
Controlle	d recovery/evacu	nation from source wi	TO THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN	vironment:	
	1	NIL	Barrels		
c. Net E	sumated Spined	Volume VEs (bbls)*	4.73	BARREL	\$
	() 新大学公司()	Walley Francis	4.13	BARREL	S
The second	· Janes Ser Services				Dathern A
Estimated Re	ported Volume*	Vree(bbls)=	0 4 6	-	
		- 5	BARREL	-2	
OF LE	AK IS AT	estimate to consideration for volume es TILLED WITH TAVERY LOW FFLUENTS (1	ENA OF	R MONTHS,	THE POINT
OF THE	E LINE P	OR FOUR (4).	AAV & WHI	TER) COM	ING OUT
CONTE	SUTE AF	THE LUIE T	DA/5 VORICE	H CONFIN	MED 14E
001 5	TE OU TUE	THE LINE . T	THE ESTIN	NATED OIL	- WAS FOUR
COME	FROM TH	E LINE BY	THE COMM	AS ALLEG	ED TO HAY
inversion of m to	barreis is Volume (m3)	ume is to be done on site as fo 0 x 6.29; **Round up estimate 1 bbl is rounded up to the t	ed volume to next whole r	new spill volume estime number using the followi	tion software on site; ng rules;
 Any spill 	volume in less than	I bbl is rounded up to the	next 0.1 bbl.		
Examples	: Calculated vol	ume = 15.3 bblRepor	rted volume = 16 bhl		E 9
	 Calculated vo. Calculated vo. 	lume = 0.35 bblRepo lume = 0.01 bblRepo	orted volume = 0.4 bbl orted volume = 0.1 bbl.		
herever this estima imation; record th	tion tool is not applica	ble please refer to paragraph a sheet of paper and attach to	6c (Deviations) of the JII	Pprocedure to use appro	priase steps for colum
note that total reco	overed volume will be	reported after complete recov	ery of available free pha-	se oil	Version 2022/01
stribution of copie ue (Host Commu	es : White (Asset Own nity)	ner); Pink (NUPRC); Gree Page 5 of 8		State Ministry of Envir	onment);

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4	General	Ctatar	of the	24

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

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

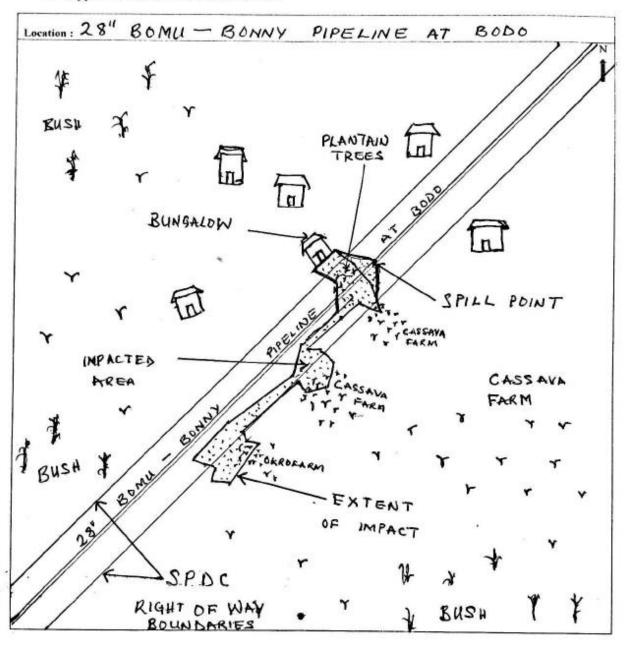
- . Host Community: D
- Nigerian Upstream Petroleum Regulatory Commission [NUPRC]: □

- The Shell Petroleum Development Company [SPDC]: ☑
- Separate NUPRC form has been filled out with same findings □
- Separate NOSDRA form has been filled out with same findings \(\sumeq \)

Tick as applicable

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f. Appendix 1: Overview sketch of the site



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