INCIDENT NO: 1778297 JIV report S/N:

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(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 2. Type of incident* GIL SPILL FIRE 1778297 1. Spill incident Number: 3. Name of Location 28" NKPOKU - BOMU TRANS NIGER PIPELINE 5. State: RIVERS 6. LGA GOKANA 4. Name of nearest community KPOR 7. Type of Production facility/Installation (GIL PIPELINE 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA **B. INCIDENT INFORMATION:** 9. Details of incident a. Date of incident: 3RD JANUARY, 2017 b. Start date/time of investigation: 5TH JANUARY, 2017 c. Investigation End date: 6th January 20 Actual investigation duration, days: Two DAYS d. Description of spill point environment Loose soil ☐Recently excavated area ☐Firm soil ☐Under water □Swampy DExposed pipe surface ☐Well Platform (on Water ☐ DrillRig Additional observations around the spill point: APPLICABLE e. Description of leak point (tick as applicable); Hack saw cut ☐ Tear (☐Drilled hole inward dent, ☐ Well head tampering Complete Rupture Failed Clamp, ☐ Missing Pipeline/Flowline ☐ Failed Weld-on illegal hot tap valve ☐ Third party tampering with Clamp Crude oil theft (illegal bunkering) point, ☐ Saver-pit over flow ☐ Bulging Outward ☐ Third party tampering with flange, ☐ Third party tampering with valve setting Cold vent ☐Flare System/Bund wall failure ☐ Surge vessel overflow, ☐ Valve Failure Relief valve failure Accidental 3rd party equipment impact ☐Others(specify) f. Incident caused by: ☑Third party interference (Sabotage ☑; crude theft ☐; Line theft ☐; Accidental 3rd party damage ☐) ☐ Operational Others (including Mystery spills)

^{*}This can be: a) Oil Spill b) Drilling fluid Chemical c) Siltation d) construction e) Encroachment f) Fire.

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6.39				•		7.4	- 88	TUALI
g. Spill point coordin	ates	1.	NC.C 02	1				
h. Measuring unit		<u> </u>)4S & 6	<u>' </u>				
Northing:	LATITUS	E		Easting:	LONG	urus	æ	
4.6	5075				7-27	-719		
								_
C. RISK ASSESSMEN	·T		_			.		
	•							
10. Type of environs	nent:							
□ Land	□ Swamp	□w	ater	☐Season	al swamp	Shore	ine/Wat	erfront
i. Type of	environment to w	hich oil h	as spread:					
D Land	□Swamp	⊏	Water	□Riv	er (identify)			
ii. Weather	r condition							
□Rain	Sunny	□Dry	□Wet	□Windy	Hot	□со	വ	
11. Distance from the	_	-	•.			_0	.	
☐ Government☐ Drinking wa☐ Built up area☐ Farmlands☐ Fish Farm/Po☐ Fishing net☐ Others (spec	ond	gnated pro	otected area	[[[] 787 x	,m] ,m] ,m] ,m]			
12. Containment mea	sures put in place	;						
Booms	□Ti	rench	☑Dyke	□Natural	depression	⊠Pit		None
Others:								
13. Any pictures or v	rideo coverage?			[Y]	[N]			
14. Further response	e/repair initiated as	s at the tir	ne of JIV?	[Y ⁄	[N]			
If yes to item 14, give brief d	escription:							
LEAK REPA	•	(ence	MI Œ	TAIGH	ely A	FTER	Jou	JT.
INVESTIGATIO			•	-				
15. Was there any dis				[Y]	[N]			

·	INCI	DENT NO:_ i	178297	JIV r	eport S/N:	Nº 0000217
If ye	es to item 15 give b	rief description:				-
		MOT	APF	LICA	BLE	
D.	TYPE/NUMBERS	S OF PROPERTIES	,IF ANY, FOUN	D WITHIN TH	E AREA OF SP	READ OF OIL
S/N	Type of Struct	<u> </u>	on Size	Number	Сог	nments
	TONE	WITH	V AR	EA O	FIM	PACT
S/N	17. Crops/Econom		— I — — .	_ -		
<u></u>	BAMBOO	Young	Medium	Matured	Quantity FEM	Comments BURNT BY
						FIRE.
1	O Fishing May (F)				-	
S/N	8. Fishing Nets/Fi Nets/Ponds	Sh Ponds Description		Quantity/Size	Comments	
	IONE	KITH	IN A	REA	OF	MPACI
l) i.e. Animal Traps				
S/N	Others	Description		Quantity/Size	Comments	
N	DNE	MITH	NA	REA C	FIMI	ACT
		IPTION OF LEAK sketch of the site sho F 22" NKPC				
<u>S</u>	towing L-	- 120mm L	ENGHT	OF HAC	KSANN CUT	PIPELINE AT KPI WITH Effective
		,	CHI	<u>OF 1592</u> m		
		LEA	k is bue	To 120M	im Ledight	7
		OF C	HTIM TH	Effective	CUT OF 1	Smm
-		TA	19-100	Chock	Position	
28 TNP.		<u>-</u>	*		·	28" TNP
		NKPOKU	- Bomu Page 3 of 8	PIPELINE		

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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)

r		Mrs 84
S/N	Northing LATITUSE	Basting- LONGITUDE
1.	4.65073	7-27729
2.	4.65078	7.27728
3.	4.65085	7.27718
4	4.65082	7.27709
5.	4.65080	7.27710
6.	4 · 65080	7.27716
7.	4.65078	7.27718
8.	4.65072	7-27717
9.	4·65072 4·65078	7.27711
10.	4.65078	7-27710
<u> </u>		
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<u>.</u>		
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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact Impact within R.O.W Total calculated area of impact Total calcu	
Impact outside R.O.W Values of ail recovered before completion of HV (V)	-
b. Volume of oil recovered before completion of JIV (V _{reed}): Recovered oil V _{reed} : 50	Barrels
Controlled recovery/evacuation from source with no impact to environment: NIL Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	-
68.03 BARRELS	
Estimated Reported Volume** V _{rep} (bbls)= 68 BARRELS	
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 estimating the spilled in the box below:	
IN CONSIDERATION OF THE FIRE INCIDENT THAT	
ACCOMPANIED THE SPILL, THE NET ESTIMATED	CAILTED
VOLUME (IN TOTAL) IS INCLUSIVE OF THE EST	MATEL
SPILLED VOLUME CONSUMED BY FIRE (AS E	KPLAINED
IN THE ATTACHED SPILLED YORUME ESTIMATIO	A DETAILS
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimatic Conversion of m ¹ to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following • Any spill volume in excess of -1 bbl - is consided up to the next whole number.	ån saftware on sile; vules:
Any spill volume in less than — I bbl — is rounded up to the next 0.1 bbl.	
Examples: Calculated volume = 15.3 bbt Reported volume = 16 bbt Calculated volume = 0.35 bbt Reported volume = 0.4 bbt Calculated volume = 0.01 bbt Reported volume = 0.1 bbt	

Wherever this estimation tool is not applicable please refer to paragraph be (Decianons) of the MV procedure to use appropriate steps for

volume estimation; record the eak ulation in a plain sheet of paper and attach to the HV 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 therefore recommend that the site be closed out	esponse	and JIT
ii. Investigation of the incident site showed that there is residual impact on site requiring further	works	·Q/
e. Representatives		
This report was filled, agreed and signed by the following joint investigation team represent	ntives:	·
Host Community:		
Department of Petroleum Resources [DPR]:		
National Oil Spill Detection and Response Agency [NOSDRA]:		
State Ministry of Environment [SME]:		
Asset Owner:		
Signatories agree with reported findings:		
 Separate DPR form has been filled out with same findings□ 		
Tic	k as apį	olicable
	 	

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f. Appendix 1: Overview sketch of the site

