INCIDENT NO: 14/3 6 04 JIV report S/N:

Nº 0000025

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1. Spill incident Number: 14/3604 2. Type of incident* O/L SPILL 3. Name of Location 28" NKPOKU — BOMU PIPELINE 4. Name of nearest community B-DERE 5. State: RIVERS 6. LGA GOKANA 7. Type of Production facility/Installation OIL PIPELINE 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIALI **B. INCIDENT INFORMATION:** 9. Details of incident a. Date of incident: 2ND JUNE 2015 b. Start date/time of investigation: 6TH JUNE 2015 /11145 HRS c. Investigation End date: 67# JUNE 2015 Actual investigation duration, days: ONE (1) DAY d. Description of spill point environment Recently excavated area 12 Loose soit ☐Firm soil Exposed pipe surface Swampy ☐Under water ■Well Platform (on Water ☐ DrillRig Additional observations around the spill point: APPLICABLE e. Description of leak point (tick as applicable); ☐ Tear (Hack saw cut ☐ Drilled hole ☐ Well head tampering ☐ Inward dent, Complete Rupture ☐ Missing Pipeline/Flowline ☐ Failed Clamp, Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point, ☐ Saver-pit over flow ☐ Third party tampering with Clamp ☐ Third party tampering with flange, ☐ Third party tampering with valve setting ☐ Bulging Outward ☐ Surge vessel overflow, Cold vent ☐Flare System/Bund wall failure Accidental 3rd party equipment impact ☐ Relief valve failure ☐ Valve Failure Others(specify) f. Incident caused by: Third party interference (Sabotage□:crude theft□; Line theft□; Accidental 3rd party damage□) Others (including Mystery spills)_ ☐ Operational

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

o snu	1 point coordinate	s ILLEGA	L THER	T POINT	N: Nº 00000
	suring unit	.5	W45 8	4	
	Northings	TITUDE		Easting: LONGIT	uDÊ
		69265	5	7.25374	
H				72031	
L					
C. RISK	ASSESSMENT	,			
10. T	ype of environme	ent:			
V	Land	□Swamp	□Water	Seasonal swamp	☐ Shoreline/Waterfront
	i. Type of e	nvironment to wi	hich oil has spread:		
V	Land	□ Swamp	□Water	River (identify)_	
	ii. Weather	condition			
1	Rain	□Sunny	□Dry √ 2Wet	□Windy □Hot	□cool
, 11. D	Distance from the	nearest sensitive	habitat		
	 Drinking wate 	er source 🛦 / 🛝	gnated protected are	e v= V['w]	
	☐ Farmlands K☐ Fish Farm/Po☐ Fishing net	nd AS AT	THE TIME INVESTIG	OF (IMPACT) E OF (,m) ATION	
12. C	☐ Farmlands K ☐ Fish Farm/Po ☐ Fishing net ☐ Others (specif	ndAS AT (fy):JOINT (THE TIME INVESTIG	E OF ,m]	
12. C	☐ Farmlands K ☐ Fish Farm/Po ☐ Fishing net ☐ Others (specif	ndAS AT (fy):JOINT (THE TIME INVESTIG	E OF ,m	√21Pit □None
. 12. C	☐ Farmlands K ☐ Fish Farm/Po ☐ Fishing net ☐ Others (specif	ndAS AT (fy):JOINT (THE TIME INVESTIG	E OF [,m] ATION Natural depression	√21Pit □None
` 12. C	☐ Farmlands K ☐ Fish Farm/Po ☐ Fishing net ☐ Others (specificationment means) ☐ Booms	nd AS AT (fy), JOINT (THE TIME INVESTIG	E OF ,m]	√21Pit □None
12. C	☐ Farmlands K ☐ Fish Farm/Po ☐ Fishing net ☐ Others (specification) ☐ Booms ☐ Others: ☐ Others:	nd AS AT (fy). JOINT (sures put in place) 27 ideo coverage?	THE TIME INVESTIG	E OF [,m] ATION □Natural depression [N]	√21Pit □None

INCIDENT NO: 14 13604 JIV report S/N: Nº 0000025

If yes to item 15 give brief descri	ription:					
NOT,	APP	Lt	CA	BL	E	
D. TYPE/NUMBERS OF PR	OPERTIES,IF	ANY, FOUNI	WITHIN THE	AREA OF SPRE	AD OF OIL	
16. Structures / Properties		-10				
S/N Type of Structures	Description	Size	Number	Cemm	ents	
NONE	WITH	/N /	REA	OF M	1PACT	~
17. Crops/Economic Trees	······································		T		T	l
S/N Type of crops Young	3	Medium	Matured	Quantity	Comments	
NONEY	JI THII	VA	REA	OFIN	PACT	
18. Fishing Nets/Fish Pond	I İs		1		1	
	Description		Quantity/Size	Comments		
NONE W	ITHIN	AR	EA	OF IM	PACT	
19. Others (Specify) i.e. A	nimal Traps	<u> </u>	<u>. </u>			
S/N Others	Description		Quantity/Size	Comments		
NONEW	174-12	AR	EA (F/MP	ACT	
E. GRAPHIC DESCRIPTION the leak report, overview sketch NKPOKU - BOMU	of the site should	l be added as a LINE #	in appendix 1) $S \leftarrow S$	SECTION SERE SH	0 F 2	g" L'VALVE
CRUDE THEFT	POINT	INSTAL	heb a	T 120'C	LDCK P	081T10N
58 "				ALVE HAN	LVE/LEA	k POINT
	NKPOK	Page 3 of		1U		

INCIDENT NO: 14/3604 JIV report S/N: Nº 0000025

F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION

20. Impacted area boundary Coordinates (If more, In and attach as an appendix)

	Md ₂	<u> </u>
S/N	Northing (LATITUDE)	Easting (LONGITUDE)
	4.69275	7.25381
	4.69269	7.25383
	4.69.268	7.25377
****	4.6925 4.69269 4.69268 4.69237	7.25389
	4.69236	7.25385
	4-69236	7.25368
		———
	·	
		7
-		
	/	
,		(1)
•		700
	/	
	<u> </u>	<u></u>

INCIDENT NO: 1413604 JIV report S/N: 10 100025

£.	INC	IDENT	INFORM	MATION:	
u.	1177	ロシヒいし	HITON	11. V I I V . 1 .	

a. Impacte	d Area	Details
------------	--------	---------

- Total calculated area of impact

 Impact within R.O.W

 Total calculated area of impact

 Total calculated area of impact

 Total calculated area of impact

 Total calculated area of impact
- Impact outside R.O.W
 NO

b. Volume of oil recovered before completion of JIV (Vrect):

Recovered oil V_{recl}: 10 BARRELS Barrels

Controlled recovery/evacuation from source with no impact to environment:

1 0 BBL Barrels

c. Net Estimated Spilled VolumeV _{Est} (bb	<u> s)*</u> =
·	150,44 BARRELS
Estimated Reported Volume** V _{rep} (bbls)=	151 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:

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 m² 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 valume in less than - I bbl - is rounded up to the next 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 volume estimation; record the calculation in a plain sheet of paper and attack to the JIV report.

INCIDENT NO: 14-13 604	JIV report S/N:	Nº	9000025
------------------------	-----------------	----	---------

d. General Status of the site

i.	Joint investigation of the incident site found that there is no residual impact after the initial response and JIT
1	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:
- Department of Petroleum Resources | DPR | D
- National Oil Spill Detection and Response Agency [NOSDRA]
- Asset Owner
- Signatories agree with reported findings
- Separate DPR form has been filled out with same finding

Tick as applicable

INCIDENT NO: 14/36 04 JIV report S/N: Nº 0000025

f. Appendix 1: Overview sketch of the site

