JIV report S/N: 1020

INCIDENT NO: 2020364

(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: 2020364 2.Type of incident* Oll NKPOKU PIPELINE 4. Name of nearest community (OMUNWEI) 5. State: RIVERS 6. LGA IK WERRE 7. Type of Production facility/Installation PETROL FUM DEVELOPMENT COMPANY LIMITED / PIPELINE NIGERIA 9. Details of incident a. Date of incident: 16TH FEBRUARY, 2018
b. Start date/time of investigation: 20TH FEBRUARY, 2018/13:53 Hours c. Investigation End date: 22 ND FEBRUAR Actual investigation duration, days: Two (2) DAYS d. Description of spill point environment 2018 Loose soil □Firm soil Recently excavated area Under water ☐Swampy ☐Exposed pipe surface □Well Platform (on Water) □Drill Rig Additional observations around the spill point: THE JOINT OBSERVED SAND BAGS UNKNOWN PERSON(S) AROUND THE SPILL POINT. e. Description of leak point (tick as applicable); ☐Drilled hole Hack saw cut Tear (Complete Rupture Inward dent, ☐ Well head tampering ☐ Failed Weld-on illegal hot tap valve ☐ Failed Clamo. ☐ Missing Pipeline/Flowline Crude oil theft (illegal bunkering) point, Saver-pit over flow ☐ Third party tampering with Clamp ☐ Third party tampering with valve setting ☐ Bulging Outward ☐ Third party tampering with flange, ☐ Flare System/Bund wall failure □Cold vent Surge vessel overflow, ☐ Valve Failure Relief valve failure Accidental 3rd party equipment impact Corrosion Others(specify)_ f. Incident caused by: Third party interference (Sabotage□; crude theft (Line theft□; Accidental 3rd party damage□) ☐ Mystery spills **□**Operational Others(specify) *This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire,

		Easting:			
4	972206	7.0	2550	2	
SK ASSESSME	:NT		·		
0. Type of enviro	ment:				
Land	□Swamp □Wa	iter 🗆 Sea	asonal swamp	☐Shoreline/\	Waterfront
і. Туре	of environment to which oil ha	is spread:			
Land	□Swamp □Wa	ıter □Ri	ver (identify)		.
ii. Weatl	ner condition				
Rain	✓Sunny □Dry	□Wet" □W	Vindy Hot	Cool	
1. Distance from	the nearest sensitive habitat				
Government Drinking Built up a Farmland Fish Farm Fishing ne	rea s n/pond et		[m, m] [m, [m] [m, m] [m, m] [m, m]		
2. Containment n	neasures put in place;		•	,	
	Trench	□Dyke □Na	atural depression	√ 2 Pit	□None
Booms				•	
Booms Others:	r video coverage?	[,	[N] V Y		

INCIDENT NO: 2020364 JIV report S/N: 1020 If yes to item 15 give brief description: D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 16. Structures / Properties Description Type of Structures Number Comments Size 17. Crops/Economic Trees Medium Type of crops Young Matured Quantity Comments 18. Fishing Nets/Fish Ponds Nets/Ponds Description **Quantity/Size** Comments 19. Others (Specify) i.e. Animal Traps Quantity/Size Others Description Comments GRAPHIC DESCRIPTION OF LEAK POINT (While detail report of the leak point should be contained in the leak report, overview sketch of the site should be added as an appendix I) UMUECHEM - NKPOKU PIPELINE AT SHOWING 3 NO. 2" CRUDE OIL THEFT SECTION OMUSELE/OMUNWEL POINTS INSTALLED BALL AT 12 0' CLOCK POSITIONS BY LINKNOWN PERSON(S) 2" NIPPLE WITH BALL VALVEZ POINT 3 200 MM 240 MM Pags 3 of 8 FROM UMUECHEM TO NKPOKU

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

20. Impacted area boundary Coordinates (If more, Print)	anc attach as an appendix)
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S/N	Northing Northing	Easting
	11.97716	
	1, 1721	7.02552
	1 4 9 7 2 1 7 1	7.025446
	4.97228	7.02545
	4.97228	7.02551
	4 972261	7.025484
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<u>-</u> .	 	
	 	
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. INCIDENT INF	ORMATION:	
a. Impacted A	rea Details	
• To	tal calculated area of impact 0.008 ha	_
	pact within R.O.W	
	pact outside R.O.W	
b. Volume of o	Recovered oil V _{reeJ} :	Barrels
Controlled rece	overy/evacuation from source with no impact to environment: Barrels Bar	
c. Net Estima	ted Spilled Volume $V_{Est}(bbls)^* = 12.95$	
stimated Reporte	d Volume** V _{ren} (bbls)= 13 BARRELS	
Notes: Volume estim	ation was done using an excel based tool (see attached for details on the calculation)	
Reported spil Write other relevan	led volume is an estimate It notes taken into consideration for estimating the spilled in the box below:	
N	OT APPLICABLE	
Conversion of m' to but	ctive estimated volume is to be done on site as far us practicable using the new spill volume esti- rels is Volume:(m3) x 6.29: **Round up estimated volume to next whole number using the folto ume in excess of I bbl is rounded up to the next whole number:	mation software on site: wing rules:
Any spill voi	ume 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	

Wherever this estimation tool is not applicable please refer to paragraph 6e (Deviations) of the JIV procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and attach to the JIV report.

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d .	General	Status	of the	gite
u.	General	Status	or the	SILL

- 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: □
- Department of Petroleum Resuurces [DPR]: D
- National Oil Spill Detection and Response Agency [NOSDRA]:
- State Ministry of Environment [SME]:
- Asset Owner: D
- Signatories agree with reported findings:

 ■
- Separate DPR form has been filled out with same findings 🖼

Tick as applicable

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f. Appendix 1: Overview sketch of the site

