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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: 1. Spill incident Number: 1820061 2. Type of incident\* DIL SYILL 3. Name of Location 28" NKPURU-BOMU PIPELINE 4. Name of nearest community ELIMGBU 5. State: RIVERS 6. LGA OBIO AKPO 7. Type of Production facility/Installation **B. INCIDENT INFORMATION:** a. Date of incident: 15TH MARCH, 2017 9. Details of incident b. Start date/time of investigation: 1814 MARCH, 2017/13:33 PM c. Investigation End date: 18th MARCH 2017 Actual investigation duration, days: ONE (1) d. Description of spill point environment Recently excavated area Loose soil ☐ Firm soil Exposed pipe surface ☐ Swampy ☐Under water DrillRig ☐ Well Platform (on Water Additional observations around the spill point: JOINT INVESTIGATION TEAM OBSERVED SAND BAGS AT SPILL POINT DURING THE EXCANATION. e. Description of leak point (tick as applicable); ☐ Tear ( ☐Drilled hole Hack saw cut ■ Well head tampering Complete Rupture ☐ Inward dent. ☐ Failed Clamp, ☐ Missing Pipeline/Flowline Failed Weld-on illegal hot tap valve ☐ Saver-pit over flow ☐ Third party tampering with Clamp Crude oil theft (illegal bunkering) point, ☐ Third party tampering with flange, ☐ Bulging Outward ☐ Third party tampering with valve setting ☐ Surge vessel overflow, ☐Flare System/Bund wall failure □Cold vent 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

<sup>\*</sup>This can be; a) Oil Spill by Drilling fluid Chemical c) Siltation d) construction e) Encroachment f) Fire.

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g. Spill point coordinates	. 16 5	<b>5</b> 4	
h. Measuring unit	<u> WGS</u>	8 <u>4</u>	
Northing:	ATITYDE	Easting:	TIME
<u> </u>	Q750 4	7.046	20
	0,7304	7-046	57
<u> </u>			>
		1	
O DIEW ASSESSMENT	<del></del>		
C. RISK ASSESSMENT  10. Type of environment:			
	П	П Г	<b>3</b> co +
Land Swam	p 🗖 Water	Seasonal swamp	Shoreline/Waterfront
i. Type of environment	to which oil has spread:		
<b>∠</b> Land □Swam	p 🗆 Water	River (identify)	
ii. Weather condition		•	
	y <b>⊉</b> bry <b>□</b> Wet	☐Windy ☐Hot	□cool
11. Distance from the nearest sen	sitive habitat		
☐ Government reserved and ☐ Drinking water source ☐ Built up area ☐ Farmlands ☐ Fish Farm/Pond ☐ Fishing net ☐ Others (specify).	designated protected are	a [ M/L ,m] [ A/L ,m] [ < 10 ,m] [ < 10 ,m] [ M/L ,m] [ M/L ,m]	
12. Containment measures put in	place;	·	
Booms	□Trench □Dyke	☐Natural depression	□Pit □None
Others:	• •	-	
13. Any pictures or video coverage	ge?	[N]	
14. Further response/repair initia	ated as at the time of JIV?	N] [N]	
If yes to item 14, give brief description:			ARE
DNGOING.	<del></del>	<del>-</del>	
15. Was there any disruption to the	he investigation?	[Y] [M]	

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If yes to item 15 give brief descri	iption:	CABI	_+			
D. TYPE/NUMBERS OF PRO 16. Structures / Properties	OPERTIES,IF	ANY, FOUND	WITHIN THE	AREA OF SPR	EAD OF OIL	
S/N Type of Structures	Description	Size	Number	Com	ments	
NONE K	117111	AR	EA OF	IMPA	CT .	
17. Crops/Economic Trees  S/N Type of crops Young	_	Medium	Matured	Quantity	Comments	
S/N Type of crops Today		Medium	Matured	Quantity	Comments	
NONE LI	11111	ARGA	<del>- OF</del>	NIPA	e i	
18. Fishing Nets/Fish Ponds		<del></del>				
S/N Nets/Ponds I	Description	4.0	Quantity/Size	Comments		
NOME WI	1HM	AREA	OF J	MADY C	)	
19. Others (Specify) i.e. As						
S/N Others [	Description		Quantity/Size	Comments		
None W	MHM	ARE	+ OF	MP	HCI	
E. GRAPHIC DESCRIPTION	OF LEAK PO	DINT (while d	etail report of the	leak point show	dd be contained in	
the leak report, overview sketch	of the site should I— BOMU	d be added as a P1PELL	n appendix 1) H	-IMBBU	SHOWING	THREE
DE OIL THEFF POIN	IIS KI	12 0'CL	ock po	strond		
	BOLL O'CLOC	VALVEA IC YOSÍSI HARING)	311	BALL V 2 0'[LOUS (NON - LE	ALUE AT POSITION MISINIG)	
		2X				
201	300	<del>M</del> → ←	30 (20)		28"	ı
FROM NIK	ipoku (	TO BO				

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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)

		<u> </u>
S/N	Northing 1 ATTUCE	Easting LONG THE
	4.87687	7.04638
	4-87584	7.04642
	4.87581	7. 04 639
	4.87584 4.87581 4.87581	7.04638 7.04642 7.04639 7.04636
	7 37	7
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C	INCL	DENT	INFO	RALA	TIO!	N٠
v.		DUIT	LIV			٠.

a.	Impacted	Area	Details
----	----------	------	---------

•	Total calculated area of impact	0.0022Ha	
•	Impact within R.O.W	YES	
	Impact outside R.O.W	No	_

b. Volume of oil recovered before completion of JIV ( $V_{recl}$ ):

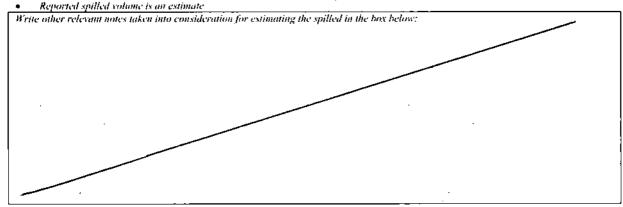
		Teta)-	
	Recovered oil V <sub>recJ</sub> :	0.06	Barrels
i reco	overy/evacuation from source with no imp	act to environment:	••

Controlled

Net Estimated Spilled VolumeV<sub>Est</sub>(bbls)\* = 3.02 BARRELS Estimated Reported Volume\*\* Vrep(bbls)= ARRELS.

\*Notes:

Volume estimation was done using an excel based tool, (see attached for details on the calculation)



Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimation softwave on site; Conversion of m' 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 counded up to the next whole number.

I bbl is rounded up to the next 0.1 bbl. Any spill volume in less than

Calculated volume = 15.3 bbl ....... Reported volume = 16 bbl Calculated volume = 0.35 bbf ------ Reported volume = 0.4 bbf Calculated volume = 0.00 bbl ------ Reported volume = 0.1 bbl

Wherever this estimation tool is not applicable please refer to paragraph be (Decembors) on the JH-procedure to use appropriate steps for volume estimation, record the calculation in a plant sheet of paper and after 6 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 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: \( \square \)
Department of Petroleum Resources  DPR : □
National Oil Spill Detection and Response Agency [NOSDRA]:
State Ministry of Environment [SME]: 12
Asset Owner:
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

