JIV report S/N:

INCIDENT NO: 1786885

<u>ﮔጲઽ</u> JiV rep	ort S/N:	Nº 0000245
is to be signed in the field by all	the participating part	ies)
2.Type of incident*	OIL SPILL	
18AA (DELIVERT L	INE) PIPEL	IN€
5. State: RIVERS	6. LGA EMORTU	<u>k:</u>
PIPELINE		
roleum Developmi	ENT COMPANY	<u>of</u> Nigeria
2017		
•		
2017 Actual investigation dura	tion, days: [WD]	2K4S
ose soil	Recently excavated:	area
vampy E illRig	Exposed pipe surfac	e
Hack saw cut Inward dent, Failed Clamp, t, Saver-pit over flow Bulging Outward Cold vent Relief valve failure	☐ Third party tan ☐ Surge vessel o ☐ Accidental 3 rd p	ne/Flowline npering with Clamp npering with flange, verflow, party equipment impact
	2. Type of incident* 18 A	2017 MARCH, 2017 2017 Actual investigation duration, days: TWO I was soil Company Company

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

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_	pill point coordinates (easuring unit	: PJ
h. M	7	Paratheren
~ . A.	LATITUDE	Longlidge
ma La	4:99543	6 80658
omta L 3	49516	6 · 80657 6 · 80656
- 4	4 99496	6.80655
v 5	4 99478	6.80651
r Big	K ASSESSMENT	
	Type of environment:	
	_/	
	Swamp Swater	Seasonal swamp Shoreline/Waterfrom
	i. Type of environment to which oil has spread:	
	Land	☐River (identify)
	Scand Swamp Swater	Driver (identity)
	ii. Weather condition	,
	□Rain ☑Sunny □Dry □Wet	□Windy □ Hot □cool
11.	Distance from the nearest sensitive habitat	
	☐ Government reserved and designated protected area	1 ,m) NONE SEE
	☐ Drinking water source	f mlł
	☐ Built up area ☐ Farmlands	MITHIN (m.
	☐ Fish Farm/Pond	[,m] VICINITY
	□ Fishing net	į "mį)
	☐ Others (specify).	
12.	Containment measures put in place;	•
	□Booms □Trench □Dyke	□Natural depression □Pit □Non
	Others:	
13.	Any pictures or video coverage?	[N] / {Y}
14.	Further response/repair initiated as at the time of JIV?	[Y] / [N]
	item 14, give brief description:	
<u></u>	ille talaille example of	
		rvi rvi
15.	Was there any disruption to the investigation?	[Y] [N]

if ye	s to item 15 give bri			•		•	9 000024	_
		<u> </u>	TA	PPLI	CAB	LE		
D.	TYPE/NUMBERS 16. Structures / Pro	OF PRO	OPERTIES,1F	ANY, FOUND	WITHIN THE	AREA OF SPRE	EAD OF OIL	-
S/N		<u></u>	Description	Size	Number	Comn		٦
	HONE	M	THIN	ARE	A OF	IMP	+CT	
	 17. Crops/Economi	ic Trees	<u>L_</u>	<u> </u>			-] ,
S/N	Type of crops	Young		Medium	Matured	Quantity	Comments	٦
	ONE	M	THIN	ARE	A OF	MP	ACT	- -
!	18. Fishing Nets/Fig	sh Ponds	ţ.			<u> </u>		
S/N	Nets/Ponds	D	escription		Quantity/Size C	omments]
	ONE		THIN	AR	EX C	T IM	PACT	
1	19. Others (Specify) i.e. An	imal Traps				· · · · · · · · · · · · · · · · · · ·]
S/N	Others	D	escription		Quantity/Size	Comments	·]
M	ONE	M	THIN	AR	EAC	F	PAGT	<u> </u>
E. G	RAPHIC DESCRI	IPTION	OF LEAK PO	INT (while de	tail report of the	leak point should	d be contained in	J
the le	vak report, overview NEW OF	sketch o	the site should OBELE	be added as an - 18 AA	appendix 1) (b eLiveR	y Line)	PIPELINE	
	SHOW	NG	MUITIPLE	HACK	SKW ChT	ON THE 1	ZEFIVERT H	INE
•	Lama L	ENGTI	+ OF CUTS	3	_			
	ot 8 Ta	110	CTOCK BOSI	TIOH .	•		THI OF MUT	
		_ / [\]			f	7 1 10 4	o Clock Pos	eiTion
		4			/	1		-
•		Point o	NE 📐 🖊		. /	/		
			Point Tu		- / l			-
			3M 151	PEINT THE	POINT FOUR	Five		<u></u> 4*Ы
		-	-	* Lad		· · · · ·		

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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)

		10 10 10 10 10 10 10 10 10 10 10 10 10 1
S/N	Northing LATITUDE	Basting LONGITUDE
	POINT	1
1.	4.99543	6.80659
à	4.99541	6.80659
3	4.99541	6.80858
4	4 99542	6.80657
	Point	2
1.	4.99530	6.80658
2'	4 99530	6.80656
3.	4 99529	6.80657
4.	4.99531	6 80658
<u> </u>	POINT	3
(,	4.99515	6.80656
2	4.99516	6.80657
3.	4.99517	6.80657
4.	4.99517	6 80655
_ `	POIDS	4
1.	4.99496	6.80654
<u>ı.</u>	4.99495	6.80654
3.	4.99497	6.80655
4.	4.99496	6.80656
,	Point	5
1.	4.99477	. 6.80652
5.	4.99478	6.80653
3.	4.99479	6.80653
4.	4.99478	6.80651
•	7	6 5

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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact Impact within R.O.W Impact outside R.O.W NO NO Recovered before completing of JIV (V _{recs}): Recovered oil V _{recs} : Recovered to environment: NIL Barrels	Barrels
c. Net Estimated Spilled VolumeV _{Est} (bblts)* =	
3.71 Brice (-	
Estimated Reported Volume** Vren(bbls)= 4 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: APPLICABLE	
Colculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimation. Conversion of m ² to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following is a spill volume in excess of \$1\$ bbl is rounded up to the next whole number. Any spill volume in less than \$1\$ bbl is rounded up to the next 0.1 bbl.	software on site; ilex;
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 be (Deviations) of the JIV procedure to use appearance estimation; record the calculation in a plain sheet of paper and attach to the JIV report.	propriate steps for

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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	respons	e and JIT
ii. Investigation of the incident site showed that there is residual impact on site requiring furth	er works	4
e. Representatives		
This report was filled, agreed and signed by the following joint investigation team represen	tatives:	
Host Community:		
Department of Petroleum Resources [DPR]: □		
National Oil Spill Detection and Response Agency [NOSDRA]:	ļ	
State Ministry of Environment [SME]:		
• Asset Owner:		
Signatories agree with reported findings:		
 Separate DPR form has been filled out with same findings□ 		
7	ick as a _l	pplicable

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f. Appendix 1: Overview sketch of the site

