INCIDENT NO: 2042268 JIV report S/N: 1041

(Note: As practicable as possible the JIT report is to be	signed in the field by all the	e participating parties)
A. GENERAL INFORMATION:		
1. Spill incident Number: 2042268	2.Type of incident* (	SIL SPILL
3. Name of Location 20" KOLOCREEK - Ru	IMUEKPE (TRLUKLI	NE) PIPETINE
4. Name of nearest community ODAU (KM 19):	-	
7. Type of Production facility/Installation Otl PIP6		CON TESUM OF SHIP
3. Asset owner/District THE SHELL PETROLEU LIMITED PIPELINE B. INCIDENT INFORMATION:	M DEAELDNWEN	COMPANY OF NIGERIA
D. Details of incident a. Date of incident: 26 MARCH, 2018		
b. Start date/time of investigation: 26Th MARCH		
c. Investigation End date: 26T4 MARCH, 2018	Actual investigation duratio	n, days: ONE BAY
d. Description of spill point environment		_
☐Firm soil ☐Loose so	oil 💆	Recently excavated area
☐Under water ☐Swampy	· ·	Exposed pipe surface
□Well Platform (on Water) □Drill Rig	; -	
Additional observations around the spill point:	W MIGGAL 18	PIPE CONNECTION LINE
OBSERVED RUNNING FROM	THE SPILL VA	IVE INTO THE SURRCUM
FOREST, WHERE IT IS LINKEDT	O ANOTHER ILL	EGAL PIPE CONNECTION
RUNMING FROM THE NEW		
e. Description of leak point (tick as applicable);	•	
Drilled hole	☐Hack saw cut	□ Tear (
☐ Complete Rupture	☐ Inward dent,	Well head tampering
Pailed Weld-on illegal hot tap valve	☐ Failed Clamp,	☐ 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 3 <sup>rd</sup> party equipment impact
☐ Corrosion	Others(specify)	
f. Incident caused by:		
☐Third party interference (Sabotage□; crude the		
☐ Mystery spills	Others(specify)	

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

	pill point coordinat	es	1	6. 7				
h. M	leasuring unit Northing:		WGS	TEa	sting:			
		LATITUR	شن		į	1000 - 500	MOE	
		. 4.938	24		0	- 500	29	
		<u></u>						
						<del></del>		
		ļ		<u>-i_l_</u>				
C. RIS	K ASSESSMEN	Г						
10.	Type of environm	ent:						
	Land	☐ Swamp	□Water		☐ Seasonal	swamp	☐Shoreline/\	Waterfront
	i. Type of	environment to v	which oil has spr	read:				
	☐ Land	☐ Swamp	□Water		Пр: /:			
		∟Swamp	□ water		Kiver (ide	entity)	•	-
	ii. Weather	condition				_		
	□Rain	Sunny	□Dry □	]Wet"	$\square$ Windy	Hot	Cool	
11.	Distance from the	nearest sensitive	: habitat					
		reserved and desi	ignated protected	d area	Ţ		NOME SE	EN
	☐ Drinking wat☐ Built up area				Ĺ	,m] ,m]	WITHIN	
	☐ Farmlands ☐ Fish Farm/p	ond			ĵ	,m] { ,m] {	•	
	☐ Fishing net				į	,m] }	MEINIT	4 ·
	□ Others (speci	ify).			-	•		
12.	Containment mea	sures put in place	2,					
	Booms		Trench D	Dyke	☑Natural d	epression	□Pit	□None
	Others:	<u></u>						
13.	Any pictures or vi	ideo coverage?			[14]	[N]		
	Further response/	repair initiated as	at the time of J	IV?	[Y]	[N]	•	
14.								
	o item 14. give brief	description:						
if yes to	o item 14. give brief 1 PORARY R	•	1 BLIND	<u> Fl</u> k	MGHAG	MAS.	DONE A	NO A
if yes to	~ ^	EPMR B	_			=		

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If yes to item 15 give brief description:	
NOT APPLICABLE	
D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL  16. Structures / Properties	
S/N Type of Structures Description Size Number Comments	
NONE WITHIN ARLA OF IMPACT	
17. Crops/Economic Trees	
S/N Type of crops Young Medium Matured Quantity Comments	
NONE WHIM AREA OF IMPACT	
18. Fishing Nets/Fish Ponds	
S/N Nets/Ponds Description Quantity/Size Comments	•
NONE WITHIN AREA OF IMPACT	
19. Others (Specify) i.e. Animal Traps	
S/N Others Description Quantity/Size Comments	
NONE WITHIN AREA OF IMPACT	
E. 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)	
TIGHAL VIEW OF 20" KOLOGREEK - RUMYEKPE (TRUNKLINE) PIPELINE AT	_
ODAY (KM 19) SHOWING: ONE (1) NO 4" REDUCED TO 11/2" CRUDE PI	
OIL THEFT POINT INSTAILED AT 12 O'CLECK POSITION: CONNE	CIE
POINT	
LINK AN INEGAL PI	Pe
OID 20" KCTL 4"PIPE 12 PIPE POINT CONNECTION RUN	
AT DDAY. FROM THE NEW	1 2
H" VAIVE. KOLOCKERK-RUE TO FOIL	REG
TI DE TOUR	<b>L</b>
KOLOCREEK - RUMLIEKPE 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)

S/N	WGS.	Easting LCNGITYDE
3/1N		Easting LCNGITHOE
	4.93797	6.50026
	4.93809	6.50029
	4-93802	6.50033
	4.9380.2	6-50018
	4.93836	6-49992
	4.93838	6.5WZ
	4.93837	6-50019
	4 93839	6.50018
	4. 93839.	6.5002
	4.93852	6.50021
	4.920	6.500.25
	4-93827	6-50032
	4.93821	€- 5cc29
	4. 9813	6.50026
,	4.9382	6.5025
	4.25813	6.502
	4.9382	6-50023
_	4.0,3818	6 500 H
	4.9812	650012
· 	4.93804	E-4 <b>5</b> 9EE
	4-9383	6.50019
	4-9-831	6.49962
	·	

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G. INCIDENT INFORMATION:
a. Impacted Area Details
Total calculated area of impact  0.19849
• Impact within R.O.W YES
• Impact outside R.O.W
b. Volume of oil recovered before completion of JIV (Vreed):  Recovered oil Vreed:  Barrels
Controlled recovery/evacuation from source with no impact to environment:    Nil   Barrels
c. Net Estimated Spilled VolumeV <sub>Est</sub> (bbls)* =
20.16 BARRELS
Estimated Reported Volume** Vren(bbls)= 21 BARREES
*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:  THE  AREA  RE-IMPACTED & RECOUERT WORK WAS
OBSERVED COMPLETED.
AREA (FID FOR THE OID INCIDENT: 1858269)
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 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 1 bbl is rounded up to the next whole number:
Any spill volume in less than   l bbl   is rounded up to the next 0, l 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 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:				
Department of Petroleum Resuurces [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 □				
Tick as applicable				

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f. Appendix 1: Overview sketch of the site

