INCIDENT NO: 14685오1 JIV report S/N:

Nº 0000015

(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: 1468521 2. Type of incident* OTL SPILL 3. Name of Location 20" KSLOCREEK - RUMUE KPE TRANS NIGER PIPELINE. 4. Name of nearest community ODAU 5. State: LIVERS 6. LGA ABUA CDUAL 7. Type of Production facility/Installation OIL PIPELINE . 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIG LTD. **B. INCIDENT INFORMATION:** 9. Details of incident a. Date of incident; 22ND August 2015 b. Start date/time of investigation: 25 TH AUGUST 2015 c. Investigation End date: 25TH AUGUST, 2015 ctual investigation duration, days: THE DAY d. Description of spill point environment Recently excavated area Loose soil ☐Firm soil Swampy ☐Exposed pipe surface ☐Under water ☐Well Platform (on Water □ DrillRig Additional observations around the spill point: EVIDENCE WERE FOUND ON SITE USED BY WENDER e. Description of leak point (tick as applicable); Hack saw cut Tear (Drilled hole ☐ Well head tampering Inward dent, Complete Rupture ☐ Missing Pipeline/Flowline ☐ Failed Clamp, Failed Weld-on illegal hot tap valve ☐ Third party tampering with Clamp ☐ Saver-pit over flow ☐ Crude oil theft (illegal bunkering) point, ☐ Third party tampering with flange, ☐ Bulging Outward Third party tampering with valve setting Cold vent ☐ Surge vessel overflow, ☐Flare System/Bund wall failure. Accidental 3rd party equipment impact Relief valve failure ☐ Valve Failure Others(specify) f. Ingident caused by: ☐Third party interference (Sabotage☐; crude theft☐; Line theft☐; Accidental 3nd party damage☐) Others (including Mystery spills) ☐ Operational

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

INCIDENT NO: 14685ス	JIV report S/N: Nº 0000015
g. Spill point coordinates	
h. Measuring unit	8¥
Northing: (LATITUDE)	Easting: (LONGITUDE)
4.93489	6.47927
RISK ASSESSMENT	
10. Type of environment:	
□Land □Swamp □Water	Seasonal swamp Shoreline/Waterfront
i. Type of environment to which oil has spread:	
□Swamp □Water	River (identify)
ii. Weather condition	
	□Windy □Hot ▼cool
☐Rain ☐Sunny ☐Dry ☐Wet	□Windy □Hot ☑cool
11. Distance from the nearest sensitive habitat	_
☐ Government reserved and designated protected area	a [[m,] NONE SEEN
 Drinking water source Built up area 	/ [m.]
☐ Farmlands	i mj/ Witth W
☐ Fish Farm/Pond ☐ Fishing net	(m,)
☐ Others (specify).	
12. Containment measures put in place;	
□Booms □Trench □Dyke	. Natural depression Pit None
Others:	
13. Any pictures or video coverage?	[Y] \([N]
14. Further response/repair initiated as at the time of JIV?	$(N)^{(N)}$
es to item 14, give brief description: REPAIR WORK	COMPLETED BY CLAMPING
LAMPING	
15. Was there any disruption to the investigation?	[Y] [N]

INCIDEN	T NO: <u>14</u> 68	5521	JIV re	port S/N:N	9 0000015	j
If yes to item 15 give brief des				•	•	
NO	A	PLI	CAB	LE		
D. TYPE/NUMBERS OF P 16. Structures / Properties	ROPERTIES,IF A	NY, FOUNI	WITHIN THE	AREA OF SPRE	AD OF OIL	
S/N Type of Structures	Description	Size	Number	Comm	ents]
NONE M	TITIN	AREI	A OF	IMPA		
17. Crops/Economic Tree S/N Type of crops Your		Medium	Matured	Quantity	Comments	']
NINC LL	1	Mcdidiii	Matured	INA	Comments	
THUITE MILL	TILN	KEA	OF	11x11		
18. Fishing Nets/Fish Por			<u> </u>	<u> </u>		I
S/N Nets/Ponds	Description		Quantity/Size	Comments		
Novic I	THENI	A	A	- 114 0		
10.01		///	A O	- \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	*	
19. Others (Specify) i.e. S/N Others	Animal Traps Description		Quantity/Size	Comments	· · ·	
NAC	THIS	1.00	NT 1	MON	ČT –	
TAOIAE M	אדנוץ		1 01	11411		
E. GRAPHIC DESCRIPTION the leak report, overview sketch	h of the site should t	be added as a	n appendix 1)			
MAL VIEW OF 2	10" KOLOCE	rek -	Rumue Ki	E TRANS	viger Pire	LINE A
DDAY SHOW	oine HA	CKSMW	Cut A	(2:30) c	LOCK POSITIO	Σ V +
Le	ak (S Due	To loc	mm LENC	ial of Cul	•	
Mi	TH EFFECTI	VE CUT	CF 10mm	n AT 2:30	o Clock	
	sition.	\			-	
2c ^b ♣ TMP ★			*			20" THP
	KOLD CREEK -	Page 3 of 8	PE PIPELLA	Æ		

INCIDENT NO: 1468521 JIV report S/N: Nº 0009015

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)

	W	ias 84
S/N	Northing (LATITUDE)	Essing (LONGITUDE)
111	4.93492	6.47943
112	4.93485	6.47943
113	4.93488	6.47915
114	4.93484	6 · 47885
115	4.93451	6: 47897
117	. 4.93477	6.47910
1(8	4.93450	6.47489
119	4-92838	6. 47897
120	4-92838	6.47885
•		
		•
		

INCIDENT NO: 146852 JIV report S/N:	Nº 0000015
G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact Impact within R.O.W Impact outside R.O.W Tes	
b. Volume of oil recovered before completion of JIV (V _{rec.j}):	1
Recovered oil V _{recJ} : NLL	Barrels
Controlled recovery/evacuation from source with no impact to environment: Hill Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	-
45.68 BARRERS	
Estimated Reported Volume** V _{reg} (bbls)= 46 BARRETS.	
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: NOT APPLICABLE	
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimate Conversion of m ² to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following Any spill volume in excess of -1 bbl - is rounded up to the next whole number.	ion software on site; vrules;
Any spill volume in less than = 1 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 6c (Deviations) of the AV procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and attach to the AV report.

INCIDENT NO: 14685ユ JIV report S/	N: Nº	20000
d. General Status of the site		
i. Joint investigation of the incident site found that there is no residual impact after the intherefore recommend that the site be closed out	tial response	and JIT
ii. Investigation of the incident site showed that there is residual impact on site requiring fu	ather works	□
e. Representatives	 	
This report was filled, agreed and signed by the following joint investigation team repro	esentatives:	<u>—</u>
Host Community:		
Department of Petroleum Resources [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 ap	plicable
	-	

INCIDENT NO: 1468521 JIV report S/N: Nº 0000015

f. Appendix 1: Overview sketch of the site

