INCIDENT NO: 1535875 JIV report S/N: Nº 0000092

(Note: As procticable as possible the JIT report is to i	be signed in the field by all th	e participating parties)
A. GENERAL INFORMATION:		
I. Spill incident Number: 1535875	2.Type of incident*	FIRE CIL SPILL
3. Name of Location 28" Bumu - Borny	TRANS NIGER	PIPELINE
4. Name of nearest community 6 LOMA	5. State: KIVERS 6.	LGA BONNY
7. Type of Production facility/Installation 😋 📙 👂	BETHE	
8. Asset owner/District THE SHELL PETROL	EUM DEVELOPME	NT COMPANY OF NIG LTD
B. INCIDENT INFORMATION:		
9. Details of incident	ĸ	
a. Date of incident: 151 BECEMBEC, 20 b. Start date/time of investigation: 17 Th Dec	emace 2015	
b. Start date/time of investigation: 17 15ECEMBES, c. Investigation End date: 17 THE DECEMBES,	2018 Liversian dum	ion days: ONE NAY
	Actual investigation durat	ion, days. Of the ISA
d. Description of spill point environment	ret	/
☐Firm soil ☐Loose s		Recently excavated area
Under water Swamp	y L	Exposed pipe surface
☐Well Platform (on Water ☐ DrillRig	3	
Additional observations around the spill point:	AFTER EXCAUNT	NON. THE JOINT .
INVESTIGATION TEAM OF		
	_	Bubbles Commed Cul
FROM THE ILLEGAL THE	FT YOUNG	
e. Description of leak point (tick as applicable);	Turk and	☐ Tear ().
Drilled hole	☐ Hack saw cut☐ Inward dent,	☐ Well head tampering
Complete Rupture	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	Relicf valve failure	Accidental 3 rd party equipment impact
Others(specify)		
f. Insident caused by:		· · · · · · · · · · · · · · · · · · ·
Third party interference (Sabotage D; crude		entai 5° party damageLI)
Operational Others (including	Mystery spills)	

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

 Spill point coordina Measuring unit 	ites MC	FT POI	"WUS	84		
Northing:			Easting:			
04	.4521	<u> </u>	007.	7919		
		107		_/	<u> </u>	
		// /	<u> </u>			
RISK ASSESSMEN	т					
10. Type of environm	nent:					
Land	Swamp	□ Water	☐ Seasona	al swamp	Shoreline/\	Waterfron
i. Type of	environment to w	hich oil has sprea	d:			
Land	Swamp	□Water	DRiv	er (identify)_	. <u>.</u>	
ii. Weather	condition					
□Rain	Sunny		Vet ⊠Windy	Hot	⊠ cool	
11. Distance from th	e nearest sensitive	habitat	•			
☐ Government ☐ Drinking wa ☐ Built up are: ☐ Farmlands ☐ Fish Farm/P ☐ Fishing net ☐ Others (spec	ond ·	gnated protected	area [[[[[.m] [m.	YICINI YICINI	
12. Containment me	asures put in place	.			_	
Booms		rench Dy	ke 🔲 Natural	depression	₽it	□Non
Others:						
13. Any pictures or	video coverage?		(Y}	'[N]		
14. Further respons	e/repair initiated a	s at the time of J	IV? [Y]	[N]		
es to item 14, give brief	description:	e on e. Ry	WORK (Smple	ico M	HHLE
		- · · · · · · · . <u>I · · · · · · · · · · · · · · · · · </u>				

INCIDENT NO: 1535875 JIV report S/N:Nº 0000092	}
If yes to item 15 give brief description:	
NOT APPLICARIE	
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	
PONE WITHIN AREA OF IMPACT	
17. Crops/Economic Trees	
S/N Type of crops Young Medium Matured Quantity Comments	
NONE WITHIN AREA & MPACE	
18. Fishing Nets/Fish Ponds S/N Nets/Pends Description Quantity/Size Comments	I
Comments	
MONE MITHER ALEN A WHACT	
19. Others (Specify) i.e. Animal Traps	
S/N Others Description Quantity/Size Comments	
NONE WILLIAM AREA OF MINACE	
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 oppendix 1) TION OF 28' BOMY BONNY TICANS NIGER PIPELINE AT ANYM	– אמיאוים
GLOWA SHOWING A FAILED WELD ON MEGAL THEFT POINT	
The state of the s	•
A LEAKING B" ILLEGAL	
THEFT FITTING INSTALLED	
GAS BUBBLES COMMAGES AT 12° CLOCK POSITION.	
CAY DUBBLE COMPANY	·
Ø 34 VAN€	
) I	28"
	7 _

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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)

	-	was	84
S/N	Northing		Easting
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	04.45220		007.17920
	04.45209		007.17909
	04. 45221		007.17909 007.17912
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		···	1 62
			17/12/2015
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	<u> </u>		<u> </u>

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G. INCIDENT INFORMATION:
a. Impacted Area Details
Total calculated area of impact
• Impact within R.O.W 123
• Impact outside R.O.W
b. Volume of oil recovered before completion of JiV (V _{recl});
Recovered oil V _{recj} : 2 Barrels
Controlled recovery/evacuation from source with no impact to environment: Nt Barrels
c. Net Estimated Spilled VolumeV _{Ex} (bbls)* =
7-30+ 14-60 = 21-90 BARRELS
Estimated Reported Volume** V _{cm} (bbls)= 22 BARREIS
*Notes: *Volume estimation was done using an excel based mod, (see attached for details on the calculation) *Reported spilled column is no estimate.
Write other relevant notes taken into consideration for estimating the spilled in the box below:
VETUME ESTIMATION, THE VOLUME CONSUMED BY
FIRE FROM IST TO 9TH DECEMBER, 2015 WAS IN
CONSIDERATION.
COMPUSER COM.
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 all to barrels is Volume tri3) x 6.29; **Rational up estimated volume to nest whole number using the following rules:
 Any spill volume in less than — I little — is rounded up to the next 0.1 little.
Examples: Colculated volume = 15.3 bld Reported volume = 16 bbl Reported volume = 1,4 bbl Reported volume = 1,4 bbl Reported volume = 1,4 bbl Reported volume = 0.1 bbl Reported volume = 0.1 bbl
Observer this estimation tool is an applicable pieuse refer to paragraph to Observations) of the AD procedure to use appropriate steps for solume estimation, record the exceptation in a plant sheet of paper and attack to the AU report

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ľ.	Joint investigation of the incident site found that there is no residual impact after the initial response a therefore recommend that the site be closed out	nad JIT
 II.	Investigation of the incident site showed that there is residual impact on site requiring further works	N/

e. Representatives

This report was filled, agreed and signed by the following joint investigation team representatives:

• Itost Community:

d. General Status of the site

- Department of Petroleum Resources [OPR]:
- 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 ant with same findings□

Tick as applicable

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f. Appendix 1: Overview sketch of the site

