INCIDENT NO: 3002415 JIV report S/N:000948

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties)

A. GE	NERAL INFORMATION:				
	ntain Incident Number 300	241	5 2 Type of inc	ident* OIL SPI	1
r. roui	ne of Location 16" NUN	Dille	n Kolo	PEEK TOU	111/11/1
					1 1/1
4. Nan	ne of nearest community ANGIF	AMAGE	5. State: BAJELS	A. LGA SOUTHER	VISAV
7. Proc	duction Facility/Installation	16 t	IFELINE		
8. Asso	et Owner/Hub THE SHE	LL F.	ETROLEUM.	DEVELOPMENT	Cony
B. INC	CIDENT INFORMATION:				
a. b.	ails of incident Date Reported: Start date/time of Investigation: Investigation End date: THE	uly,	2021 USBT2021 57,2021 Day(s)	12-18+25 Desire FA/F(1)	AV
	Description of spill point environme	fuq u	37) X X Day(s)	on site. Or the Color	<u> </u>
u.		_/	in:	IDS	
	□Firm soil	Loose so		Recently excavated area	
	Under water	Swampy		Exposed pipe surface	
	☐Well Platform (on water)	□Drill Ri	g	☐Sand bag(s)	
	Additional observations around the	spill point:	PPLI	CABL.	E
	Description of leak point (tick as ap Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve Third party tampering with valve Flare System/Bund wall failure Valve Failure Tear (g) point, re setting	□ Rough-edge hole □ Inward dent, □ Failed Clamp, □ Saver-pit over flow □ Bulging Outward □ Cold vent □ Relief valve failure	☐ Hack saw cut ☐ Well head tampering ☐ Missing Pipeline/Flowlin ☐ Third party tampering wi ☐ Third party tampering wi ☐ Surge vessel overflow, ☐ Accidental 3 rd party equip	th Clamp th flange,
f.	Third party interference (Sabota			cidental 3 rd party damage □)	

*This can be: (a) Oil Spill (b) Drilling fluid/Chemical (c) Siltation (d) Water Leak (e) Fire (f) Non-leaking theft point removal Version 2020/01 Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment);

Blue (Host Community)

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	Northing:			Easting:	
	4.81	1872	1	6.1316	9
O BIOL				1	
	ASSESSMENT			ħ	
	Details of Enviro	V			
i.	Type of envir	ronment where	spill occurred (sel	lect one):	
	Land	□Swamp	□Water	Seasonal swamp	Shoreline/Waterfront
ii.	Type of envi	ironment to whi	ch oil has spread:		
×	Land -	□Swamp	□Waterbody ((specify)	
iii.	Weather con	dition			-
	☑bry	□wet	□windy	₩Hot	
11. I	Distance to Sens	itive habitat wit	thin 100m radius		
	Surface Built up Are	nter source e water □B ea ntial Area □C	signated protected a orehole ommercial/Industrial	[,m]	WITHIN VICIN
12. (Containment meas	sures put in place	27	800 8. 10	.)
	□Booms □1	rench 🗖 Dyke	□ Pit □Natu	ral depression Non	e
12		Wines and a second		1	
	Any pictures or vi		"	√ Y] [N]	
14.			s at the time of JIV	(Y)	
If yes to ite					

INCIDENT NO: 3002415 JIV report S/N: 9000948 15. Was there any disruption to the investigation? [Y] WN] If yes to item 15 give brief description: 16. Was JIV delayed? Reason(s): Others (specify) D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 17. Structures / Properties S/N Type of Structures Description Size Number Comments 18. Crops/Economic Trees Type of crops Medium Matured Quantity Comments 19. Fish/Nets/Ponds S/N Fish/Nets/Ponds Description Quantity/Size Comments 20. Others (Specify) e.g. Animal Traps S/N Others Description Quantity/Size Comments E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak pe in the leak report, overview sketch of the site should be added as appendix 1) A FET A RIVER-LOCO CLEEK TRUNKLINE AT A 16" ID 16" NUNRIVER TRUNKLINE

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F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION

21. Impacted area boundary Coordinates (If more, Print and attach as Appendix)

S/N	Northing	Easting
-		
-	:	
		1
==		
	/	
	 	
	/	
	V	

16" NUN-RIVER - KOLO-CREEK TRUNKLINE @ ANGIAMAGBENE INC.NO: 3002415 INC.DATE:30/072021

	LONG_X 6.13136852
	6.13136852
2 40107//0	The second secon
3 4.8187662	6.13128928
	6.13134747
	6.13139898
9 4.81896763	6.13193345
	6.13199542
11 4.81898289	6.13182994
12 4.81902999	6.1318392
13 4.81897743	6.13167991
14 4.8189422	6.13169431
15 4.8189703	6.13181135
16 4.81890535	6.13179591
17 4.8188787	6.13173408
18 4.8188551	6.13174398
19 4.81876624	6.13151992
20 4.81878625	6.13150811
21 4.81878817	6.13143858
22 4.81888157	6.13134012
23 4.81889226	6.13114003
24 4.81886299	6.1311353
25 4.8188159	6.13134432
26 4.81880037	6.1313616
27 4.81878937	6.13135876
28 4.81874898	6.13125663
29 4.818709	6.13126222
30 4.81868022	6.13110809
31 4.81855124	6.13079819
32 4.81828004	6.13027875
33 4.81826028	the property of the second sec
34 4.81818198	6.13034445
35 4.81815013	6.13033566
36 4.81798676	6.12958425
37 4.81771792	6.12887961
38 4.81773687	6.12881357
39 4.8177186	6.12878597
40 4.81754653	6.12893795



Obasohan Jonathan

06/08/2021

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G. INCIDENT INFORMATION:	
a. Impacted Area Details *	
Total calculated area of impact (Ha) 0 - 67 HECTARES	
Impact within SPDC R.O.W	
Impact outside SPDC R.O.W 1983	area in management
* Round off to 2 decimal places if area is \geq 100 m² or to 4 decimal places if area is \leq 100 m² (e.g. 14.55, 0.00 * Express in Hectares (Ha)	051, 0,0009)
b. Volume of oil recovered before completion of JIV (VrecJ):	I possible 1
Recovered oil V _{recJ} :	Barrels
Controlled recovery/evacuation from source with no impact to environment: Barrels	
c. Net Estimated Spilled Volume V _{Est} (bbls)* =	
Estimated Reported Volume** Vrep(bbls)= 40 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 volume estimation or cause of spill:	
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimated Conversion of m ³ to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following of Any spill volume in excess of 1 bbl is rounded up to the next whole number.	on software on site; rules:
 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.	to column

Wherever this estimation tool is not applicable please refer to paragraph 6c (Deviations) of the JIV procedure to use appropriate steps for column estimation; record the calculation in a plain sheet of paper and attach to the JIV report.

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	(20. 20.)	-	
Genera	Status	ofth	o cito
 CICHCIA	I create	. vi (u	Colle

i.	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	and JIT
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	10/

e.	Representatives	
This	report was filled, agreed and signed by the following joint investigation team represen	tatives:
1.	Host Community:	
	• Department of Petroleum Resources [DPR]: □	
	National Oil Spill Detection and Response Agency [NOSDRA]:	
	State Ministry of Environment [SME]:	
	The Shell Petroleum Development Company [SPDC]:	
	■ Separate DPR form has been filled out with same findings □ /	
8	Separate NOSDRA form has been filled out with same findings	*
10	Separate SME form has been filled out with same findings	
	Tio	ck as applicable

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f. Appendix 1: Overview sketch of the site

Location: 16" NIW R-KOLO CREEK	TRUNKLINE AT ANGTAMACREN
	- Janes Company
	LIGHT CRUSE OF MURNI AND
	IMPACIED
	AREA
	C.C. C.
SPIX RIGHT OF WAY	***************************************
- DE RIGHT CT	
2	Spill POINT
	111/6
	SPAC PIPELINE
1	
James Steff	
LIGHT CRUDE OIL IMPAC	F
IMPACTED AREA	