INCIDENT NO: 2904701 JIV report S/N:0000833

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

A. GENERAL INFORMATION:				
1. Fo	untain Incident Number: 290	470	2. Type of in	cident* OIL SPILL
3. Na	me of Location 6" NUN RIVE	R-KO	LOCACEK BYS	RIBER
4. Na	me of nearest community	1704	5. State: BAYELSA	6.LGA YENAGOA/OGBIA
7. Pro	oduction Facility/Installation	PIPE	LINE	
8. As	set Owner/HubTHE SHELL	PET	ROLEUM DEV	elopment Company
B. IN	OF NIGERIA ICIDENT INFORMATION:	LIMI	TED (SPDC)	PIPELINE
9. De a.	tails of incident Date Reported: SIST MAY	2CH, 2	021	
b.	Start date/time of Investigation:	APRIL	2021. 1530HRS	
c.	Investigation End date: 13TH 7	APRIL,	2021 Day(s)	on site: [HIRIEN (13) DAYS
d.	Description of spill point environment	ent		
	☐Firm soil	Loose s	oil	Recently excavated area
	□Under water	Swamp	у	☐Exposed pipe surface
	☐Well Platform (on water)	□Drill Ri	g	☐Sand bag(s)
	Additional observations around the	spill point:		
	Description of leak point (tick as app	alianhla):		
C.	Smooth round-edge hole	oneaoic),	☐Rough-edge hole	Hack saw cut
	Complete Rupture		Inward dent,	☐ Well head tampering
	Failed Weld-on illegal hot tap valve		Failed Clamp,	☐ Missing Pipeline/Flowline
	Crude oil theft (illegal bunkering)	=	☐ Saver-pit over flow☐ Bulging Outward	☐ Third party tampering with Clamp☐ Third party tampering with flange,
	☐ Third party tampering with valve☐ Flare System/Bund wall failure	esetting	Cold vent	Surge vessel overflow,
	☐ Valve Failure		Relief valve failure	Accidental 3rd party equipment impact
	☐ Tear (_)		
	Others (specify)			
	Incident caused by: Third party interference (Sabotage Operational Others (i			eidental 3 rd party damage □)

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^{*}This can be: (a) Oil Spill (b) Drilling fluid/Chemical (c) Siltation (d) Water Leak (e) Fire (f) Non-leaking theft point removal

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g. Spil	Point Coordinate	s (*Incidents <u><</u> 10	00m apart to be agg	regated into one Joint	Investigation Report)
h. Mea	suring unit	GS 84		f-	
	Northing:	MITUDE	5	Easting: LON	GITUDE
	4.9	362854	42	6.262	42786
-					
Ĺ				/	
C. RISK	ASSESSMENT				
10. D	etails of Environ	ment			
i.	Type of enviro	nment where sp	oill occurred (selec	et one):	
	Land	Swamp	□Water	Seasonal swamp	Shoreline/Waterfront
ii.	Type of enviro	nment to which	oil has spread:		
,	Land	□Swamp	Waterbody (sp	ecify)	
iii.	Weather condi	tion			
	□Dry	Wet	□Windy	□Hot	
11. Di	istance to Sensiti	ve habitat within	n 100m radius		
ņ	□ Government re □ Drinking water □ Surface w □ Built up Area □ Residentia □ Farmlands □ Fish Farm/Pond □ Fishing net □ Others (specify) ntainment measure	source ater □Borel I Area □Comi	nated protected area hole mercial/Industrial Are	[,m] a [,m]	
		• •	7 Pit ONatural c	lepression None	
_	Others:			Thome	
13. Ang	y pictures or video	coverage?		[Y] [N]	
	orther response/repa			[Y] [N]	
If yes to item	14, give brief descrip てん ひんら	otion:	BY CLA	mping-1se	ECTIONAL
REDL	ACEMEN	cī.			

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15. Was there any disruption to the investigation? [Y] [N]
If yes to item 15 give brief description: THE HOST COMMUNITIES CHASED THE TEAM OUT OF SITE DUE TO
ARGURARNI ON THE CHUSE OF SPILL
16. Was JIV delayed? [Y] [N]
Reason(s): Delayed Community Access Approval Security Challenges Access constraint due to terrain 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
S/N Type of crops Young Medium Matured Quantity Comments I. IALM IREC — 15 20 35 IMPACTED 2. CARAVA 10 20 10 40 IMPACTED 3. CORN 20 10 — 30 IMPACTED 19. Fish/Nets/Ponds
S/N Fish/Nets/Ponds Description Quantity/Size Comments 20. Others (Specify) e.g. Animal Traps
E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak point should be contained in the leak report, overview sketch of the site should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be contained in the leak report, overview sketch of the site should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be contained in the leak report, overview sketch of the site should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be contained in the leak report, overview sketch of the site should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be contained in the leak report, overview sketch of the site should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be contained to the leak report, overview sketch of the site should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be contained to the leak report, overview sketch of the site should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be contained to the leak report (While detailed description of the leak point should be contained to the leak point should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be added as appendix 1) A SECULON OF LEAK POINT (While detailed description of the leak point should be added as appendix 1) A SECULON OF LEAK PO
RIVER - KOLD CREEK BYS RIGER AT HEBURAL OT UDKPOTI SHOHING
AN INWARD DENT AND HACKSAW CUT AT 11 0° CLOCK POSITION
INMARD DENT DUE
(HEKENICAL)
HACKSAM O
Historie at Military
FROM NUN RIVER — KOLOCREEK MANIFOLD Version 2020/01 Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment);

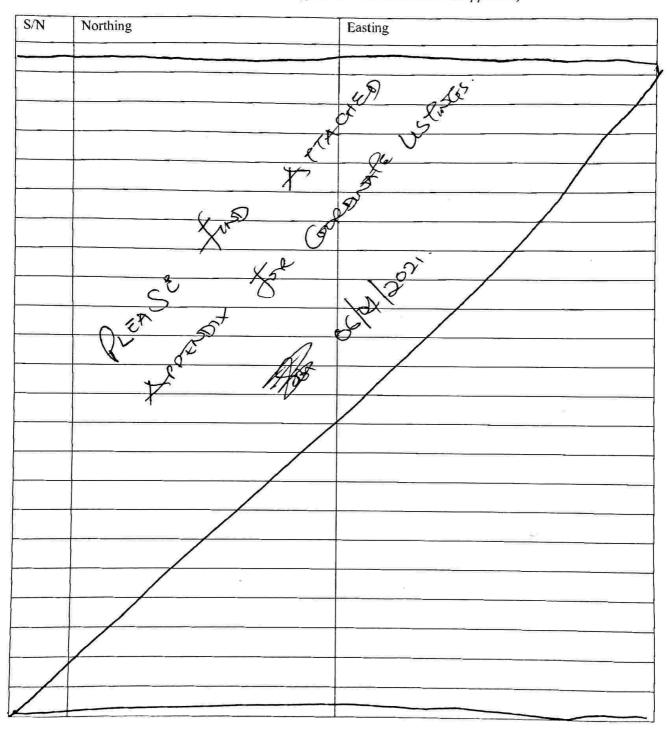
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Blue (Host Community)

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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)



16" NUN RIVER - KOLOCRE	EK BVS RISER AT (EKOLI) AGBURA/(ОТИОКРОТІ
PT_ID	LAT_Y	LONG_X
SP	4.86285442	6.26242786
light	4.86273619	6.26228851
light	4.86279507	6.2622552
7	4.86239707	6.26184384
6	4.86254479	6.26176706
superficial	4.86261971	6.26182218
8	4.86275225	6.26162123
9	4.86283262	6.26145962
4	4.86293049	6.26124698
5	4.86303712	. 6.26120493
10	4.86271529	6.2633606
light	4.86282415	6.26317937
boom	4.8628957	6.26319678
boom	4.86294266	6.26327136
boom	4.8630368	6.26327322
11	4.86312242	6.26334307
boom	4.86311794	6.26318873
14	4.86421427	6.26225946
15	4.863279	6.261494
16	4.8627	6.261918
boom	4.86303	6.263201
18	4.863714	6.262691



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O. H. C. I. S. I. I. S. I.	G.	INC	IDENT	INFORMATION	V:
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a. Impacte	d Area Details *			
	d Area Details			
(É	Total calculated area of impact (Ha)	2.55	HA	
•	Impact within SPDC R.O.W			
	Impact outside SPDC R.O.W	YES		
ound off to 2 a express in Heci	decimal places if area is $\geq 100 \text{ m}^2$ or to 4 decimal ares (Ha)	al places if area	$is < 100 m^2$ (e.g. 14	2.55, 0.0051, 0.0009)
o. <u>Volume</u>	of oil recovered before completion o	f JIV (VrecJ)	•	
	Recovered	oil V _{recJ} :	NIL	Barrels
Controlled	recovery/evacuation from source with	no impact to		
	NIL Ba	rrels		
	*			
stimated Re	ported Volume** V _{rep} (bbls)=	150 B	ARRELS	

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^3 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 I 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 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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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
Thi	s report was filled, agreed and signed by the following joint investigation team representatives:
	• Host Community:
	• Department of Petroleum Resources [DPR]:
15801	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
	■ Separate NOSDRA form has been filled out with same findings ✓
	Separate SME form has been filled out with same findings □
	Tick as applicable

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f. Appendix 1: Overview sketch of the site

