INCIDENT NO: 1887762 JIV report S/N:000013

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1887762 2. Type of incident* OIL SPILL 1. Spill incident Number: 3. Name of Location 12" IMO RIVER - OGACE (TRUNKLINE) PIPELING 4. Name of nearest community KDMKOM 5. State: RIVERS 6. LGA OYIGEO 7. Type of Production facility/Installation OIL PIPELINE THE SHELL PETROLUEM DEVELOPMENT COMPANY OF NIMERIA B. INCIDENT INFORM 9. Details of incident a. Date of incident: 7⁷⁴ July, 2017 b. Start date/time of investigation: 12T4 July 2017 c. Investigation End date: 12TH JULY 2017Actual investigation duration, days: ON EDAY d. Description of spill point environment Recently excavated area Loose soil Firm soil ☐ Under water ■ Exposed pipe surface ■ Swampy Well Platform (on Water) Drill Rig Additional observations around the spill point: THE JOINT INVESTIGATION TEAM OBSERVED THE CRUDE OIL THEFT FITTING WAS PARTLY CONCERLED IN CONCRETE THE SECTIONS OF THE PIFELINE POLYKENE TAPE COATING SURROUNDING THE THEFT POINTS WAS OBSERVED TO HAVE BEEN REMOVED BY UNKNOW e. Description of leak point (tick as applicable); Drilled hole Hack saw cut Tcar(Inward dent. ■ Well head tampering Complete Rupture Failed Weld-on illegal hot tap valve ■ Missing Pipeline/Flowline ☐ Failed Clamp, Crude oil theft (illegal bunkering) point, ☐ Third party tampering with Clamp ■ Saver-pit over flow ☐ Third party tampering with valve setting Bulging Outward ■ Third party tampering with flange, ☐ Flare System/Bund wall failure Cold vent. Surge vessel overflow, ☐ Valve Faiture ☐ Relief valve failure ☐ Accidental 3rd party equipment impact □ Corresion · Others(specify) f. Incident caused by:

■ Mystery spills

Third party interference (Sabotage□; crude theft□; Line theft□; Accidental 3rd party damage□)

Others(specify)

Fatto

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

INCIDENT NO: 1887762 JIV report S/N: 000013

Measuring unit		Mas	84	
Northing:	LATITU		Easting: LONGITUDE	
1	L. 8763	1	. 7.17261	
	t			
		· · · · · · · · · · · · · · · · · · ·		
				<u></u> -
SK ASSESSMEN	T .			
D. Type of environme	ent:	-		
Land	Swamp	☐ Water	☐ Seasonal swamp ☐ Shoreline/Water	rfront
i. Type of e	nvironment to wi	nich oil has spread:	:	
Land	☐ Swamp	Water	☐ River (identify)	
ii. Weather	condition	(CONFINE	: 0)	
☐ Rain	Sunny	□ Dry □ W	et Windy Hot Cool	
. Distance from the	nearest sensitive	habitat		
☐ Government ☐ Drinking wat ☐ Built up area ☐ Farmlands ☐ Fish Farm/Pe ☐ Fishing net ☐ Others (speci	ter source	ignated protected a	I m HONE SEET HONE SEET MITHIN I MITHIN	
2. Containment meas	ures put in place;			
☐ Booms	-	French Dyke	e 🗖 Natural depression 🔲 Pit	□ Non
Others:				
3. Any pictures or vic	leo coverage?		[Y]/ [N]	
Further response/re	epair initiated as a	st the time of JIV?	[Y]/[N]	
o item 14, give brief des	-	e oil was	BEING DONE AND REPAIRS	Wer
•		AFFRETEN	PIPELINE SECTION BY CLAM	a DINO

If yes to item 15 give brief description: O
16. Structures / Properties S/N Type of Structures Description Size Number Comments ON HIM ART
S/N Type of Structures Description Size Number Comments
16. Structures / Properties S/N Type of Structures Description Size Number Comments
NONE WITHIN AREA OF IMPACT
17. Crops/Economic Trees
17. Crops/Economic Trees
17. Crops/Economic Frees
S/N Type of crops Young Medium Matured Quantity Comments
NANC I DATE A CONTROL OF THE CONTROL
MONE WHITE AKEA OF IMPACE
10 File No. 1
18. Fishing Nets/Fish Ponds S/N Nets/Fonds Description Quantity/Size Comments
NICKIC LITTLIN AREA OF INDACT
TADIAC MITTIN AREA OF IMPACT
19. Others (Specify) i.e. Animal Traps
S/N Others Description Quantity/Size Comments
HONE WITHIN AREA OF IMPACT
E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed report of the leak point should be contained in
the leak report, overview sketch of the site should be added as an appendix 1)
JION OF 12" IMO RIVER - DUALE (TRUNKLING) PIPELINE AT KOMKOM 3" CRUBE OIL THEFT POINT INSTALLED AT 12 0' CLOCKPOSITION
LEAKING 3" BALL VAIVE CONCRETE
CLOCK POSITION.
in ↑ () 1/2."
$\frac{12}{\tau L}$
Page 3 of 8
IMO RIVER - DUALE PIPELINE

INCIDENT NO: 1887762 JIV report S/N0000013

F: TABLESHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION

20. Impacted area boundary Coordinates (If more, Print and attach as an appendix)

		145 84
S/N	Northing LATITUDE	Easting LONGITUDE
10	4.87633	7.17253
2.	4.87637	7-17269
3-	4.87611	7.17274
40	4.876019	7.17271
5.	4.89605	7.17265
٥٠	4.87610	7.17263
70	4-87615	7-17262
8,	4-87618	7-17253
•		
-		

JOINT INVESTIGATION

	INC	IDENT NO:	1887762	J!V report S/N:	
G. INC	IDENT INF	ORMATION:		00000	ı 3
a. ,l	mpacted A	rea Details			
	• To	tal calculated area of	impact 0.66 He	₹	_
	• lim	pact within R.O.W_	408		
	•	pact outside R.O.W			<u></u>
b. <u>y</u>	Volume of o	<u>il recovered befor</u>	e completion of JIV (V		
			Recovered oil V _{recJ} :	35	Barrels
	ntrolled reco	overy/evacuation in	MIL Barrels	ct to environment:	
c.	Net Estima	ted Spilled Volun	ie V _{Est} (bbls)* =	- -	
			66.41 BM	rrels .	
Estim	ated Reporte	ed Volume** V rep(b	67 Bx	recls	
*Notes:	Reported spille	ed volume is an estimate	cel based tool (see attached for de		
W	rite other releva	nt notes taken into conside	APPLI	ohume in the box below:	•
	on of m³ to barre Any spill volun	ls is Volume (m³) x 6.29; ne in excess of 1 bbl	**Round up estimated volume to i is rounded up to the next whole nu	ble using the new spill volume estima text whole number using the followin mber.	
•	Any spill volun	ne in less than I bbl	is rounded up to the next 0.1 bbl.	•	
	Examples:	Calculated volume = 0	5.3 bbl Reported volume = 0.35 bbl Reported volume = 0.01 bbl	= 0.4 bbl	
			se refer to paragraph 6c (Deviatio	ns) of the JIV procedure to use appro	opriate steps for volum

INCIDENT NO: 1887762 JIV report S/N:

d.	General Status of the site	0000013	
i.ª	Joint investigation of the incident site found that there is no residual therefore recommend that the site be closed out	l impact after the initial response a	and JIT
ii.	Investigation of the incident site showed that there is residual impa-	ct on site requiring further works	<u>D</u>

e.	R	epresentatives				
Thi	This report was filled, agreed and signed by the following joint investigation team representatives:					
		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 applicable				

INCIDENT NO: 1887762 JIV report S/N:

f. Appendix 1: Overview sketch of the site

0000013

