JIV report S/N:

Nº 0000171

INCIDENT NO: 1669981

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: I. Spill incident Number: 1669981 2. Type of incident* OIL SPILL 3. Name of Location 16" ZARAMA - GBARANI BULKLINE 4. Name of nearest community OKOTIAMA 5. State: BATELSA 6. LGA TENAS OA 7. Type of Production facility/Installation OIL BULKLINE SPDC **B. INCIDENT INFORMATION:** Details of incident

a. Date of incident: 6th July, 2016

b. Start date/time of investigation: 13th July, 2016 / 14:35 pm. 9. Details of incident c. Investigation End date: 15th July 2016 Actual investigation duration, days: Two (2) DAY d. Description of spill point environment Loose soil ☐Firm soil Recently excavated area ☐Under water **☑**Śwampy Exposed pipe surface ☐Well Platform (on Water ☐ DrillRig Additional observations around the spill point: e. Description of leak point (tick as applicable); Drilled hole ☐ Hack saw cut ☐ Tear (☐Complete Rupture ☐ Inward dent. ☐ Well head tampering Failed Weld-on illegal hot tap valve ☐ 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 ☐ Third party tampering with flange, ☐ Bulging Outward Cold vent □Flare System/Bund wall failure ☐ Surge vessel overflow, ☐ Valve Failure ☐ Relief valve failure Accidental 3rd party equipment impact Others(specify) f. Incident caused by: **Third party interference (Sabotage□; crude theft** Line theft□: Accidental 3rd 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,

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- '	pill point coordinat leasuring unit	es WG	s 84				
	Northing:	_ATITUDE		Easting:	LONG	пчов	
	# OF	3-35497	005.08032	200	5-080;	32 006	.35492
	-	13			16	2	
İ		1 26	<u>. </u>		<u></u>		
 							
	ASSESSMENT Type of environment						
10.				_		_	
	Land	☑ Swamp	□Water	□Seasona	ıl swamp 🏻 🕻	□Shoreline/	Waterfront
	i. Type of e	nvironment to which	ch oil has spread:				
	Land	⊠ Swamp	□Water	□Rive	er (identify)		_
	ii. Weather o	condition	**				
	□Rain	□Sunny □	Dry Ø Wet	□windy	□Hot	□cool	
11. 1	Distance from the	nearest sensitive ha	bitat				
	☐ Government ro ☐ Drinking wate ☐ Built up area ☐ Farmlands ☐ Fish Farm/Pon ☐ Fishing net ☐ Others (specify	NONE	Seen!	Ī	[m, [m, [m, [m, [m,		
12. 0	Containment meas	ures put in place;		•		•	
	Booms	□Tren	nch Dyke	□Natural d	lepression	□Pit	□None
	Others:						
13. /	Any pictures or vid	leo coverage?		W	[N]		
14.	Further response/r	repair initiated as at	t the time of JIV?	[Y]	ואו		•
	em 14, give brief des		_	UED .			
15. \	Was there any disri	untion to the invest	igation?	[V]	Lon		

INCIDENT	NO: 16	69981	JIV re	port S/N:]	Nº 0000171
If yes to item 15 give brief desc			•		
MOT AT	<u> </u>	ABLE			
D. TYPE/NUMBERS OF PR 16. Structures / Properties	OPERTIES, IF	ANY, FOUND	WITHIN THE	AREA OF SPR	READ OF OIL
S/N Type of Structures	Description	Size	Number	Com	ments
NOME	firthe	AR	EA (DF H	MPACT
17. Crops/Economic Trees			<u> </u>		
S/N Type of crops Young	<u> </u>	Medium	Matured	Quantity	Comments
MONE	Julia	ARE	A 07	IM	PACT
18. Fishing Nets/Fish Pond	S				,
	Description	* (Quantity/Size	Comments	
MONE 1	11111	d A	REA	OF J	MANET
19. Others (Specify) i.e. A	_ _				
S/11 Others	Description		Quantity/Size	Comments	100 0
MOME	HIHM	AK		JE JM	77 (1
E. GRAPHIC DESCRIPTION	OF LEAK PO	INT (while de	tail report of the	leak point shou	ld be contained in
INN OF 16" ZAR	of the site should	pe added as an <u>-</u> 12/12/14/14	(annendix I) 🔔	ULIGLIME	_
MING POSTION	OF CRU	DE OIL			2 o'choric posi
ILLEGAL DE-COATE	CONCRE	f t	FAIL	to 2" Fr 20' CLOU 9K POINT,	LANGE IC POSITION
Farm	ZARANI,	4 TO (aBARANI	CPF	- J

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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)

	WGS	Easting LONGITUDE
S/N	Northing LATTUDE	··· - - -
	-06-35494 Den	
	05.08036	006.35494
	05.08041	006.35498
	05.08031	006.35560
	05.08027	006.35496
	. 05.08040 05.08045	006.35493
	05 •08045	006.35497
		*
	8	
<u> </u>		
	<u> </u>	

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G. INCIDENT INFORMATION:		•
a. Impacted Area Details		
• Total calculated area of impact 0-0084HA		
Impact within R.O.W Impact outside R.O.W No		
	_	
Recovered oil V _{reci} : 0.06	Вагге	ls
Controlled recovery/evacuation from source with no impact to environment: MIL Barrels		
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =		
0.87 BARREL		
Estimated Reported Volume** Vrep(bbls)= 0.9 BARRFL		
*Notes: Volume estimation was done using an excel based tool, tsee 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 hax below:		
<u> </u>		
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 ⁴ to barrels is Volume tm3) 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.	tion softwa 1g rules;	re on site;
 Any spill volume in less than - 1 bbl - is rounded up to the next 0.1 bbl. 		
Examples: Calculated volume = 13.3 bbl Repurred 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 (Deciations) 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.

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Tick as applicable

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 : □
	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 ☐

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f. Appendix 1: Overview sketch of the site

