INCIDENT NO: 1659939 JIV report S/N:

Nº 0000164

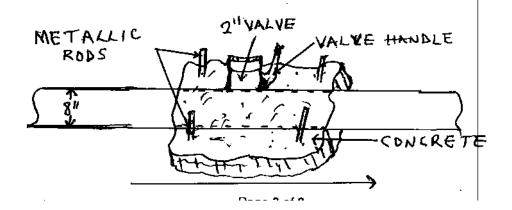
(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1. Spill incident Number: 1659939 2. Type of incident\* O/L SP/LL 3. Name of Location 8" A FAM WELL 27 T FLOWLINE 4. Name of nearest community AYAMA 5. State: RIVERS 6. LGA OYIGBO 7. Type of Production facility/Installation FLOWLINE 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LTO SPDG/LAND1 **B. INCIDENT INFORMATION:** 9. Details of incident a. Date of incident: 23 RD JUNE 2016 b. Start date/time of investigation: 28TH JUNE 2016 /12 30HRS c. Investigation End date: 28TH JUNE 2016 Actual investigation duration, days: DNE(1) DAY d. Description of spill point environment Loose soil Recently excavated area ☐Firm soil Under water □ Swampy Exposed pipe surface □Well Platform (on Water DrillRig Additional observations around the spill point: THE JOINT INVESTIGATION TEAM A 2" VALUE INSTALLED AT 12 O'CLOCK POSISITION UNKNOWN PERSONS (CRUDE THEFT POINT) Description of leak point (tick as applicable); ☐ Tear ( ☐ Drilled hole ☐ Hack saw cut Inward dent. ☐ Well head tampering Complete Rupture Failed Weld-on illegal hot tap valve ☐ Failed Clamp, ☐ Missing Pipeline/Flowline 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, □Cold vent ☐ Surge vessel overflow, ☐Flare System/Bund wall failure Relief valve failure Accidental 3rd party equipment impact ☐ Valve Failure ☐Others(specify) f. Incident caused by: ☐ Third party interference (Sabotage☐;crude theft☐; Line theft☐; Accidental 3<sup>rd</sup> party damage☐) ☐ Operational Others (including Mystery spills)

<sup>\*</sup>This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siluation d) construction c) Encroachment f) Fire,

MOIDL.	NI NO. 755 /	737	JIV re	port S/N	No	0000164	
g. Spill point coordinate	es ·						
h. Measuring unit	<u></u>						
Northing:	3011174	·E	asting:	ONGIT	NE		
4	.84130		7.	26241			
				<del></del>			
C. RISK ASSESSMENT							
10. Type of environme	nt:						
Land	□Swamp □W	ater	☐ Seasonal	swamp 🗖	Shoreline/W	/aterfront	
i. Type of en	vironment to which oil h	as spread:					
Land	□Swamp □	Water	River	(identify)			
ii. Weather co	ondition						
<b>□</b> Rain	□Sunny □Dry	□Wet	□Windy	□Hot	Cool		
11. Distance from the n	earest sensitive habitat						
☐ Drinking water☐ Built up area	AT THE ROUNDRY		[ [ W [< 57	),m]		WITHIN WILL	
12. Containment measu	eres put in place;						
□Booms	☐ Trench	Dyke	□Natural de	pression <sub>v</sub>	<b>P</b> it	□None	
Others:		•					
13. Any pictures or vide	eo coverage?			N]			
14. Further response/re	epair initiated as at the tin	ne of JIV?	W [	N ]			
If yes to item 14, give brief des	•	EPRES	SURIZ	ATION;	AND		
REPAIR PL	ANNED.	1	<del>-</del> ·				
15. Was there any disru	ption to the investigation	?	[Y] [	NT.			

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lf ye	s to item 15 give b	ief descr	iption:				
	$\mathcal{N}$	07	- A/	PLI	CA	BLE	<del></del>
D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPE 16. Structures / Properties					READ OF OIL		
S/N	Type of Struct	игеѕ	Description	Size	Number	Con	ments
Y	TONE		VIT	HIN	ARE	A 0F	MPACT
<b></b>	17. Crops/Econom	ic Trees		<u> </u>			
S/N	Type of crops	Young		Medium	Matured	Quantity	Comments
$\mathcal{N}$	DNE	W/	THIN	1RC	A C	F/M	PACT
	8. Fishing Nets/Fi	ich Donde		<u> </u>			
S/N	Nets/Ponds		escription		Quantity/Size	Comments	
Ν	DNE	W	THIN	ARC	A DF	IMPA	C7
1	9. Others (Specify	/) i.e. An	imal Traps			· -	
S/N	Others	Ð	escription		Quantity/Size	Comments	
Δ	IONE	W	T#IN	ARC	A OF	IMP	ACT
the le	ak report, overviev	r sketch o	of the site should	be added as a	in appendix 1) A	CECTIE	uld he contained in NOF 811
A F A	tw METT	2 t -	T AT A	YAMA	SHOWING	2" CRU	DETHEFT
0110	T INSTAL	LED	AT 12 (	),crock	POSIT	ION BY	UNKNOWN
ER	SONS.						



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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)

	Wa	s & 4 ·	
S/N	Northing LATITUDE	Easting LONGITUDE	
	4.84131	7.26241	
	4.84129 4.84127 4.84129	7.26239	
	4.84127	7 26241	
	4.84129	7 26243	
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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
• Total calculated area of impact 0.0009 St 出る	
• Impact within R.O.W	-
• Impact outside R.O.W NO	
b. Volume of oil recovered before completion of JIV (Vrect):	-
Recovered oil V <sub>reel</sub> : AT 0 · 3 3	Barrels
Controlled recovery/evacuation from source with no impact to environment:	
N/L Barrels	
c. Net Estimated Spilled VolumeV <sub>Est</sub> (bbls)* =	
1.59 BARREL	\$
Estimated Reported Volume** V <sub>rep</sub> (bbls)=  2 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 estimating the spilled in the box below:	
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimate Conversion of m <sup>1</sup> to barrels is Volume (m3) 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.	ing software on site; 3 valex:
<ul> <li>Any spill volume in less than — I bbl — is rounded up to the next 0,1 bbl.</li> </ul>	
Examples: Calculated volume = 13.3 bbl Repaired volume = 16 bbl Calculated volume = 0.35 bbl Repaired volume = 0.4 bbl Calculated volume = 0.01 bbl Repaired volume = 0.1 bbl	

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

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	General Status of the site	
4	Canaral Status at the site	
ш.	Ocheral Status of the site	

i.	Joint investigation of the incident site found that there is no residual impact after the initial therefore recommend that the site be closed out	response and JIT
ii.	Investigation of the incident site showed that there is residual impact on site requiring furth	er works

#### e. Representatives

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 1/2
- Signatories agree with reported findings
- Separate DPR form has been filled out with same finding

Tick as applicable

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f. Appendix 1: Overview sketch of the site

