Nº 0000063 INCIDENT NO: 1481955 JIV report S/N: (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: 1481955 2. Type of incident* OLL SPI4 3. Name of Location OBIGBO SOUTH WELL 3L WELL HEAD 4. Name of nearest community UMUSIA 5. State: RIVERS 6. LGA ONIGEO 7. Type of Production facility/Installation WELL HEAD 8. Asset owner/District INE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIG LTD. B. INCIDENT INFORMATION: 9. Details of incident a. Date of incident: 7 TH SEPTEMBER 2015 b. Start date/time of investigation: 14th SEPTEMBER, 2015 c. Investigation End date: 14"FH SCATCHISCL, Actual investigation duration, days: ONE DAY d. Description of spill point environment ☐Firm soil Loose soil Recently excavated area Under water □ Swampv ☐Exposed pipe surface Well Platform (on Water □ DrillRig Additional observations around the spill point: FARMING ACTIVITY IS GOING ON WETHIN THE WELL HEAD LOCATION. e. Description of leak point (tick as applicable); Drilled hole Hack saw cut ☐ Tear (☐ Inward dent, ☐Complete Rupture ☐ 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 partly tampering with Clamp ☐ Third party tampering with valve setting ☐ Bulging Outward ☐ Third party tampering with flange, ☐Flare System/Bund wall failure Cold vent ☐ Surge vessel overflow, ☐ Valve Failure ☐ Relief valve failure Accidental 3rd party equipment impact DOTHERS(Specify) PIN HOTE LEAK FROM A CORRODED AREA OF KERDTENT NEEDLE f. Incident caused by: ☐ Third party interference (Sabotage☐;crude theft☐; Line theft☐; Accidental 3rd party damage☐) Operational ☐Others (including Mystery spills)

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

INCIDENT NO: 1481755			JIV repo	Nº.	000006	
g. Spill point coordina	ates					
h. Measuring unit		Mas	84			
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	- 86675		7.	1011.7	90.	
	060 13	<i>5</i>	7-	177a	<u> </u>	
C. RISK ASSESSMEN	т					
10. Type of environ	nent:					
⊠ Land	□ Swamp	□Water	Seasonal swa	ımp 🗖s	horeline/V	Vaterfront
i. Type of	environment to w	hich oil has spread	:			
Land	□Swamp	□Water	□River (ide	entify)		-
ii. Weathe	r condition					
□Rain	Sunny	□ _{Dry} □w _€	et 🗆 Windy 🖺	J Hot]cool	
11. Distance from th	e nearest sensitive	habitat				
□ Governmen	t reserved and desi	gnated protected a	rea [N:L,T	n]		
☐ Drinking wa			[N (,r			
☐ Built up are ☐ Farmlands	a		n, ⊥jM] n, m, <u>E</u>]	n]		
□ Fish Farm/P	ond		મામ ા	- 1		
☐ Fishing net			[HIL ,	n] '		
	cify). NOT *PP		-	1		
12. Containment me	· · · · <u> </u>	_	_/			-
□Booms		rench Dyke	Natural depre	ssion	Y Pit	□None
Others:						
13. Any pictures or	video coverage?		[Y] \/ [N]		
14. Further respons	se/repair initiated a	s at the time of JIV	" [Y] [N	\checkmark		
If yes to item 14, give brief	description:					
-N	OT A	TPPLI	CABLE	<u>^.</u> 		
15. Was there any d	isruption to the inv	estigation?	[Y] [N	/		

INCIDEN	T NO: 1481	955	JIV re	port S/N:	10	9900063	}
If yes to item 15 give brief de	scription:					-	
	IOT A	PPLI	CAB	LE.			
D. TYPE/NUMBERS OF I		ANY, FOUND	WITHIN THE	AREA OF SPI	READ	OF OIL	
S/N Type of Structures	Description	Size	Number	Соп	ment	S	
HONE M	HITTIN	ARE	A OF	- IMP	\ (` T.	
17. Crops/Economic Tre		M-4'					1
S/N Type of crops You	ng	Medium	Matured	Quantity	С	omments	
HUNE M	THIN	AR	LA C	F M	PA	<u>a</u>	
18. Fishing Nets/Fish Po			1		<u></u> L		
S/N Nets/Ponds	Description		Quantity/Size	Comments			•
NONE IN	THIN	X-RO	A	= 1MI	X (
10. Others (Specific) in	Animal Trans			11~11		- }	-
19. Others (Specify) i.e. S/N Others	Description		Quantity/Size	Comments			
NONE K	MHM	AR	<u> </u>	F N	PA	el	
E. GRAPHIC DESCRIPTION				e leak point sho	uld be	contained in	
the leak report, overview skew ObiGBO SouTH	ch of the site should					_	
Well 3L/S Well H	CAN TO SOM	SEC	GEN OF	OB1 480	Μ€	<u>u 3L 16€</u>	H HENED
AT UMUSIA		AT	Lmusia S	HOWING	€ ₽6	-a Alioni	TC A
			胃				
				≠ Pii	u tte	TE LEAK	FROM
				-		roded	
RIL 35 WEN HEAD		品曲			17	erotex	NEGNE
thatex measure whit	THE RELL			, V1	Xtve	. '	
	SP B	-Bar		A E			
		Page 50	b		=		•
		The state of the s					

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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)

		W43 84	
S/N	Northing (LATITUDE)	Easting (LONGITUSE)	
61	4.86670	7.14427	****
62	4.86672	7.14435	-
63	4.86682	7.14423	
64	4.86686	7-14426	
65	4-86679	7.14431	
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<u>r</u>	<u> </u>		

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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact Impact within R.O.W Impact outside R.O.W NO	
b. Volume of oil recovered before completion of JIV (V _{rect}):	
Recovered oil V _{rect} : NLL	Barrels
Controlled recovery/evacuation from source with no impact to environment: Ni	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
3.25 BARRELS	·
Estimated Reported Volume** Vrep(bbls)= 4 BARRETS	
*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: NOT APPLICABLE	
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume est Conversion of m' to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the foll 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 be (Deviations) of the JIV procedure to volume estimation; record the eak idiation in a plain sheet of paper and attach to the JIV report.	a use appropriate steps for

INCIDENT NO: <u>[48 [역55</u> JIV report S/N	NY	9000
d. General 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	l response	and JIT
ii. Investigation of the incident site showed that there is residual impact on site requiring furth	ter works	
e. Representatives		
This report was filled, agreed and signed by the following joint investigation team represe	ntatives:	
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□		
	ick as app	plicable

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f. Appendix 1: Overview sketch of the site

