INCIDENT NO: 14 59 16 4 JIV report S/N:

**DOODO48** 

(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: 1459164 2. Type of incident\* O/L SP/LL 3. Name of Location KOLOCREEK WELL 4. Name of nearest community IMIRINGI 5. State: BAYELSA 6. LGA OGBIA L 7. Type of Production facility/Installation WELL HEAD 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LTD **B. INCIDENT INFORMATION:** 9. Details of incident a. Date of incident: 7TH AUGUST, 2015 b. Start date/time of investigation: 11TH AUGUST, 2015/4:18 PM c. Investigation End date: 11TH AUGUST 2015 Actual investigation duration, days: ONE (1) DAY d. Description of spill point environment ☐Firm soil Loose soil Recently excavated area Under water Swampy Exposed pipe surface Well Platform (on Water LAN) DrillRig Additional observations around the spill point: JOINT INVESTIGATION TEAM NO LEAK POINT. THEY ALSO OBSERVED TRUCK IN THE WELLHEAD AREA. 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 ☐ 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 WOthers(specify) MYSTERY SPILL f. Incident caused by:

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

WOthers (including Mystery spills) MYSTERY SPILL

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

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h. Measuring North					Easting:				
		<del>-11 - 1 - 11</del>						<b>-</b>	
-	(	V Joes II	2				NV	Cl	
		Carrier V						2	
						_/			
		<u> </u>							
RISK ASSI	ESSMENT								
10. Type o	f environme	ent:							
<b>√ ∠</b> Las		☐Swamp	□v	Vater	□Sea	sonal :	swamp	□Shoreline/\	Waterfron
i.	Type of e	nvironment to w	hich oil l	nas spread:					
√ZLa	nd	Swamp		Water		River	(identify)		-
ii.	Weather	condition							
<b>√</b> Z/Ra	in	Sunny	□Dry	Wet	□w	indy	□Hot	Cool	
11. Distanc	e from the	nearest sensitive	habitat						
□ Dr □ Bu □ Fa	inking water lift up area rmlands	reserved and design source NON NITHIN THOUSE AT NOW TO IN	IE DE	SEA D	ed ( Fimp	ACT	[m, [m, [m, [m, [m,		
		sures put in place			•				
□во	ooms	<b>D</b> 1	French	□Đyke	□Nat	ural de	pression	□Pit	□Non
		RIMETRE	FE	NCE					
•	_		_		1.7	i i	[ N ]		
		ideo coverage?	•				-		
14. Furth	er response	/repair initiated :	as at the t	ime of JIV	. 1	4	[ N ]		
yes to item 14.		escription: RECOVI	ERY	AN.	) C <u>Z</u>	EA.	N U	P	
15 Was t	here any dis	sruption to the in	vestigatio	on?	[]	Y] 1			

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The second secon	VOT	Tier descrip	PP	LIC	ABA	LE	<del></del>
	TYPE/NUMBER: 6. Structures / Pr		PERTIES,IF	ANY, FOUNI	WITHIN THE	AREA OF SPRE	AD OF OIL
S/N	Type of Struct	tures	Description	Size	Number	Comm	ents
	7. Crops/Econon	W/.	HX	THE	ARE	AOF	MYACT
S/N	Type of crops	Young		Medium	Matured	Quantity	Comments
8/14	Type of crops	roung		Medium	Maturea	Quantity	r D
A	IONE	WI	THIN	HE	AREA	OF IN	PACI
r****	8. Fishing Nets/F			,			
S/N	Nets/Ponds	Ð	escription		Quantity/Size (	Comments	
A	DNE	W	THIN	THE	AR	A OF	IMPACT
	9. Others (Special						
S/N	Others	D	escription		Quantity/Size	Comments	
A	ONE	W	THIN	TH	EAR	A OF	IMPACI
E. G	RAPHIC DESC	RIPTION	OF LEAK PO	OINT (while a	letail report of the	leak point should	l be contained in
the le	eak report, overvie LDCREE	w sketch o K WE	f the site should FLL_13	d be added as d WELLH	an appendix 1) ()	VERYIEW	0F
				kolocre	NON PROD	UCING	JAVER PIT
•		A	7			Z k	-PERIMETER
						M	FENCE

ENTRANCE

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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)

	MAN	MID BELT
S/N	Northing ( )	Easting (M)
38	48266 04	436910-92
59	98258 29	436914.23
60	98250.55	436910.87
61	98246.16	436899.76
62	98255.03	436895.35
63	. 98259 47	436888.71
64	98256 · 17	436884.26
65	98241 . 81	436874.56
66	98274.96	436889 . 87
67	98260 - 58	436888 . 71
68	98256.13	436897 . 58
69	98143 77	436958 . 57
70	98239 - 35	436956 · 33
71	98251.51	436959 . 70
72	98261 . 52	436941:98
73	98251 . 57	436939 . 73
74	98290 73	436868 - 82
75	98290 · 44	436853 · 33
76	98291 - 45	436861 36
77	98273.65	436849 · 31
78	98252.71	436850 . 46
79	98239.21	. 436853 90
80	98236 · 63	436949.90

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G.	IN	$c \mathbf{H}$	ENT	IN	·OR!	ИИ	LTI.	ON:

- Impacted Area Details
  - Total calculated area of impact\_
  - Impact within R.O.W\_
  - Impact outside R.O.W
- b. Volume of oil recovered before completion of JIV (VrecJ):

Recovered oil Vreed:

Barrels

Controlled recovery/evacuation from source with no impact to environment:

Barrels

Net Estimated Spilled Volume $V_{Est}(bbls)^* =$ 

67.01 BBLS

Estimated Reported Volume\*\* Vren(bbls)=

#### \*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 estimation software on site; Conversion of m' to barrely is Volume (m3) x 6.29; \*\*Round up estimated volume to next whole monther using the following rules:

- Any spill volume in excess of I 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 roof is not applicable please refer to paragraph 6c (Deviations) of the JIV procedure to use appropriate steps for volume estimation; record the calculation in a plant sheet of paper and attack to the AV 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

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]
- 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

