1399337

INCIDENT NO: 10011 JIV report S/N:

(Note: As practicable as possible the HT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1. Spill incident Number: 1399337 2. Type of incident*_OIL SPUL Merr MELL HEAD 11 3. Name of Location NKALI 4. Name Anearest community OKOROAGU 5. State: RIVELS 6. LGA ETCHE 7. Type of Production facility/Installation WELL HEAD 8. Asset owner/District SHELL PETROLEUM DEVELOPMENT COMPANY OF (NIG) LTD B. INCIDENT INFORMATION: 9. Details of incident a. Date of incident: 12TH MAY 2015 b. Start date/time of investigation: 14TH MAY 2015 AND c. Investigation End date: 16TH MAY, 2015 Actual investigation duration, days: TWO DATS d. Description of spill point environment Firm soil Loose soil ☐Recently excavated area Under water □Swampy ☐Exposed pipe surface ☐ DrillRig ☐Well Platform (on Water Additional observations around the spill point: TV TEAM OBSERVED. XMAS TREE WAS REPLACED WITH A NEW ONE SPILL e. Description of leak point (tick as applicable); ☐ Tear (☐ Hack saw cut ☐Drilled hole head tampering Inward dent, ☐Complete Rupture ☐ Missing Pipeline/Flowline Failed Weld-on illegal hot tap valve ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Third party tampering with Clamp Crude oil theft (illegal bunkering) point, ☐ Third party tampering with flange, Third party tampering with valve setting ☐ Bulging Outward ☐ Cold vent ☐ Surge vessel overflow, ☐Flare System/Bund wall failure Accidental 3rd party equipment impact ☐ Valve Failure Relief valve failure WOTHERS(specify) STOLEN XMM TREE BY UNKNOWN PERSON. 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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h. Measur No	ring unit rthing:	Maa	· 6	4	Easting:	•	i	
	4.9	87830			7.08	2878		
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RISK AS	SESSMENT	_						
10. Туре	of environme	nt:						
ď	and	□Swamp		Vater -	☐Seasonal	swamp	☐Shoreline/	Waterfront
i.	Type of er	vironment to wl	hich oil l	has spread:				
ď	and	☐Swamp]Water	□River	(identify)_		_
ii.	Weather c	ondition						
	Rain	_/	□Dry	Пwet	₩indy	Hot	□cool	•
		nearest sensitive	-		— 11 may	— 1100		
0) 0) 0) 1 0)	Government re Drinking water Built up area Farmlands Fish Farm/Pon Fishing net Others (specify	d	gnated p	rotected area	[84 ⁻ [30 [NIL	_ ,m]		
12. Cont	ainment measc	ıres put in place;	;			•	,	
	Booms	□Tı	rench	Dyke	□Natural de	pression	ĭ₽it	□None
	Others:							
13. Any	pictures or vid	eo coverage?			[Y]	[N]		
14, Furt	ther response/r	epair initiated as	at the t	ime of JIV?	[Y]	[N]		
						-		
es to item 14	t. 21ve briei des							

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If yes to item 15 give brief description:

JIV report S/N:

D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 16. Structures / Properties Number Comments Size Description Type of Structures Licht Impact RESIDENTIAL Houses 4411 17. Crops/Economic Trees Comments Quantity Medium Matured Young Type of crops S/N CORN WELDN. DIMM LACH COCO MUT. 18. Fishing Nets/Fish Ponds Quantity/Size Comments Description Nets/Ponds 19. Others (Specify) i.e. Animal Traps Quantity/Size Comments Description Others E. GRAPHIC DESCRIPTION OF LEAK POINT (while detail report of the leak point should be contained in the leak report, overview sketch of the site should be added as an appendix 1) NEWLY REPLACED XMAS SECTIONAL VIEW OF NIKALI TREE TO STOP THE SPILL. WELL II WEITHEAD SHOWING STOLEN XMAS TREE MEII HEND

LIST OF COORDINATES OF NKALI WELL 11 SPILL @ OKOROAGU,INC.NO=1399337 WGS 84 $\,$

		VV(47 04		
PTS _		EAST	NORTH	
4	39	7.082878	4.98783	
				-
4	45	7.08433	4.98741	
4	46	7.08459	4.98744	
4	47	7.08449	4.98758	
4	48	7.0845	4.98768	
4	49	7.08413	4.98862	
4	50	7.08423	4.98904	
4	51	7.08415	4.9893	
4	52	7.08362	4.99006	
4	53	7.08312	4.98988	
4	54	7.08241	4.98995	
4	155	7.08205	4.98985	
4	156	7.08169	4.9899	
4	157	7.08179	4.98907	
	158	7.0818	4.98895	
4	159	7.08163	4.98857	
4	160	7.08169	4.98824	
4	140	7.08328	4.98844	
	162	7.08211	4.98728	
4	163	7.08215	4.98673	
	164	7.08264	4.9868	
-	165	7.08356	4.98703	
- 4	166	7.08362	4.98737	
	469	7.08311	4.98754	
	470	7.08271	4.98749	
	471	7.08261	4.98789	
-	472	7.08309	4.98789	
	473	7.08331	4.98857	
	474	7.08313	4.98937	
	475	7.08236	4.98879	

Pa:

JOINT INVESTIGATION REPORT
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F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION

20. 	Impacted area boundary (Coordinates (Ifmore, Print and attach as an appendix)	1
N	Northing	Fasting	_

		NA7 8	4	
S/N	Northing	·	Easting	
			 	
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1399337

INCIDENT NO:	00011	

G.	INCL	DENT	INFORM	lation:
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Total calculated area of it	Impact LIGHT IMPACT = 4.19	1HA, SUPERFICIAL
Impact within R.O.WImpact outside R.O.W	भृद्ध <u>े</u>	
b. Volume of oil recovered before		
	Recovered oil V _{recJ} :	Barrels
	V (bbls)* =	
c. Net Estimated Spilled Volume	V Est(Onis) -	
c. Net Estimated Spilled Volume	97 BARRELS	
	97 BARRELS	

LIMITTING INFILTRATION

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 m² to harrels is Volume (m3) x 6.39; **Round up estimated volume to next whole number 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.

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 6c (Deviations) of the HV procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and attach to the JIV report,

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4	1 eneral	SITATUS	or the	SILE

- 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
- 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]:
- Asset Owner:
- Signatories agree with reported findings:
- Separate DPR form has been filled out with same findings

Tick as applicable

INCIDENT NO: 00011 JIV report S/N:

f. Appendix 1: Overview sketch of the site

