JIV report S/N:

INCIDENT NO: [6] 9430

Nº 0000157 (Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 2. Type of incident* OIL SPILL 1. Spill incident Number: OBIGBO NORTH WELL SEL FLOWLING. 3. Name of Location 5. State: RNERS 6. LGA ETCHE 4. Name of nearest community 7. Type of Production facility/Installation FLOWLING: 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGBRIA LIMITED. B. INCIDENT INFORMATION: 9. Details of incident a. Date of incident: 20TH APIRL 2016 b. Start date/time of investigation: 22Nb APIRL, 2016 c. Investigation End date: 22 NO APRIL 2016 Actual investigation duration, days: ONE DAY. d. Description of spill point environment Firm soil □Loose soil Recently excavated area Under water □Swampy | Exposed pipe surface □Well Platform (on Water ☐ DrillRig Additional observations around the spill point: NOT APPLICABLE e. Description of leak point (tick as applicable); ☐ Tear (Drilled hole ☐Hack saw cut 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 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 CORROSION ☑Others(specify) 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,

C.

INCIDE	NT NO:	19430	JIV re	eport S/N	No.	000015
g. Spill point coordina	tes					
h. Measuring unit						
Monthings	ATITUDE		-Easting:	_oNariu	D E.	
0	4.8925	9	T .	207 121	49	
				-		
						
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. RISK ASSESSMEN						
10. Type of environn	iciii.					
Land	□Swamp	□Water	☐ Seasona	al swamp E	Shoreline/	Waterfront
i. Type of	environment to w	hich oil has spread	•			
Land	☐Swamp	□Water	□Riv	er (identify)		_
ii. Weather	r condition					
□Rain	Sunny	□ _{Dry} □w	et 🗖 Windy	Hot	□cool	
11. Distance from th	e nearest sensitive	habitat				
□ Government	reserved and desi	gnated protected a	rea [,m] ,m]		
☐ Drinking wa			ľ	,m, (m,		
☐ Built up area ☐ Farmlands	a		j	,m]		
☐ Fish Farm/P	Pond		j	,m]		
☐ Fishing net]	,m]		
Others (spec	cify).	•				
12. Containment me	asures put in place		_			П.,
Booms		French □Dyk	e	depression	Pit	□None
Others:				,		
13. Any pictures or	video coverage?		[Y]~	[N]		
14. Further respons	se/repair initiated	as at the time of JI	V?. [Y]	[N]		
f yes to item 14, give brief	description:	OVERY WO	OKK INSTE	ATEN BU	it spil	ן מוד
NOT RELOYER						
15. Was there any o				[N]		

If yes to item 15 give brief description: APPLICABLE D. TYPENUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 16. Structures / Properties S.N. Type of Structures Description Size Number Comments FLOWSTATION Light Guide Guide Guide Guide INLECT MYNNEYD Items Guide Guide Guide Guide INLECT MYNNEYD The Comments 17. Crops Founds Macdium Matured Quantity Comments S.N. Type of crops Young Medium Matured Quantity Comments 18. Fishing Nets/Fish Ponds Description Quantity/Size Comments 19. Others (Specify) i.e. Animal Traps S.N. Nets/Fonds Description Quantity/Size Comments 19. Others (Specify) i.e. Animal Traps S.N. Others Description Quantity/Size Comments 19. Others (Specify) i.e. Animal Traps S.N. Others Description Quantity/Size Comments S.N. Others Quantity/Size Comments S.N.	INCI	DENT NO:161	9430	JIV re	port S/N:	º 0000157	
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PART. CORRODED SURFACES. 13" FLAWLINE		Holf From	A CORR	copen			
SURFACES. SURFACES.			1		~ Na-N		
3" FLAWLINE		1. Ares	/				•
<u> </u>		1	/ ,	SURT	- More		
<u> </u>	orT -					_	
	ALING ()			Q 7		3"	Flawline
		OBIGBO NORT	t WELL	38L H		\\ \ <u>\</u>	

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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:	84 .
S/N	Northing LATITUDE	Easting LCNCHTUDE
1	4.89258	7.12147
<u>ي</u>	4·89259 4·89265 4·89266	7.12146 7.12159 7.12158
3	4.89265	7-12159
4.	4.39266	7.12158
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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 Barrels Controlled recovery/evacuation from source with no impact to environment: NIL Barrels
c. Net Estimated Spilled VolumeV _{Est} (bbls)* = O: 38 & Acce. s
Estimated Reported Volume** V _{rep} (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: NOT APPLICABLE
Calculation of the respective estimated volume is to be done on site as for as practicable using the new spill volume estimation software on site: Conversion of m' to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following rules: Any spill volume in excess of 1 bbl is rounded up to the next whole number. Any spill volume in less than 1 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 tDeviations) of the MV procedure to use appropriate steps for

volume estimation; record the calculation in a plain sheet of paper and attach to the AIV report.

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đ.	General	Status	of the	site

i. Joint investigation of the incident site found that there is no residual in therefore recommend that the site be closed out	mpact after the	initial response and JIT
ii. Investigation of the incident site showed that there is residual impact of	on site requiring	g further works
e. Representatives		
This report was filled, agreed and signed by the following joint investig	gation team re	presentatives:
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□		
	b _e	Tick as applicable

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f. Appendix 1: Overview sketch of the site

