INCIDENT NO: 2060312 JIV report S/N: 1075

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties)

A. GENERAL INFORMATION:		, 1,
1. Spill incident Number: 2060312	2.Type of incident*	OIL SPILL
3. Name of Location 18" ASSA - RUN	AUEKPE PIPE	ELINE
4. Name of nearest community OCHIA		
7. Type of Production facility/Installation OIL PIF	PELINE	
8. Asset owner/District THE SHELL PETROL LTD (SPDC) / PIPE B. INCIDENT INFORMATION:	LEUM DEVELOPA	MENT COMPANY OF NIGERI
9. Details of incident a. Date of incident: 1674 APRIL 2018 b. Start date/time of investigation: 2074 APR c. Investigation End date: 2187 APRIL 2018 d. Description of spill point environment Pirm soil	Actual investigation duration	
Additional observations around the spill point: SAW (1) BAND BAGS DURING (2) A 24 PIPE CONNECTED 211 VALVES CONNECTED	TED AT 120'	CLOCK POSITION WITH
e. Description of leak point (tick as applicable); Drilled hole Complete Rupture Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point, Third party tampering with valve setting Hare System/Bund wall failure Valve Failure Corrosion	☐ Hack saw cut ☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent ☐ Relief valve failure ☐ Others(specify)	☐ Tear (
f. Incident caused by: ☐ Third party interference (Sabotage□; crude the ☐ Operational ☐ Mystery spills	ncft☑; Line theft□; Acciden □ Others(specify)	

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

INCIDENT NO: 2060 3 1 2 JIV report S/N: 1035 g. Spill point coordinates BELL CIV h. Measuring unit Northing: Easting: C. RISK ASSESSMENT 10. Type of environment: Land ☐ Water Swamp ☐ Seasonal swamp ☐ Shoreline/Waterfront i. Type of environment to which oil has spread: ☐ Water Swamp ☐River (identify)_ ii. Weather condition Rain Sunny √Dry □ Wet ☐ Windy □Hot Cool 11. Distance from the nearest sensitive habitat ☐ Government reserved and designated protected area □ Drinking water source ,m] NONE SEEN □ Built up area ,mWITHIN VICINITY □ Farmlands □ Fish Farm/pond ☐ Fishing net ☐ Others (specify). 12. Containment measures put in place; Dyke None ☐ Natural depression Booms Trench Others: [N] 13. Any pictures or video coverage? [N] [N] 14. Further response/repair initiated as at the time of JIV? if yes to item 14, give brief description:

CLAMPING

[N]

8y

15. Was there any disruption to the investigation?

INCIDENT NO: 2060 312 JIV report S/N:1035

If yes to item 15 give brief description:

F.T. O ISSUES DISRUPTED THE JOINT INVESTIGATION

ON	2014	TTT KIK	2018.			<u>.</u>		
D. T	YPE/NUMB	ERS OF P	ROPERTIES, IF	'ANY, FOUNI	WITHIN THE	AREA O	F SPREA	D OF OIL
10	6. Structures	/ Properties						
/N	Type of St	tructures	Description	Size	Numb	er		Comments
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						<u> </u>		
1	7. Crops/Eco	nomic Tree	s -				-	
N	Type of cro		Young	Medium	Matured	Qua	ntity	Comments
	<u> </u>				 	 	0.	<u></u>
М	ANE	- W I	THIN	ARE	4 01 -	1100	<u> </u>	
/_	<i>U</i> <i>V</i> <i>U</i>			1, 1, 1, 1	<u></u>			
	8. Fishing No	sta/Eigh Dor	vda :	-				
N.	Nets/Po		Descrip	otion	Quantity/Size		Comm	ents
N	DNE	W ++	THIXI I	10 FA	OF	IM	PA (
	ONC	- N - F	TECHNO P	1,00,	<u> </u>	1		
	9. Others (Sp			.41	Quantity/Size	1	Comm	vante
N	Other	rs	<u>Descri</u>	DETOR	Qualitity/Size		Coming	icitis
L	DNT	11	171111	AOF	A AL	IM.	PA_	CT
Щ	U/1 C	$-\mathbf{N}$	VI HIN	$\forall \nabla C$	7 01	1131	77	<u> </u>
. (RAPHIC D	ESCRIPTI	ON OF LEAK P	OINT (While	detail report of th	he leak po	int should	d be contained in
ï	he leak report	, overview	sketch of the site s	should be adde	d as an appendix	DAS	ECTI	ON OF
ጽዞ	AZSA-	- RUM	WEKPE PI	PELINE	AT OC	HIA S	# OW/	NG A 211 PIP
<u> </u>	≓ कार ा धे	VALVE	CONNEC	TED AT	THE TOP	OF T	E VE	RTICAL ZI
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	NNUMB	 				 =		
	. و الم	ALVE -		_1				T MKCIN

2" PIPE CONNECTED AT 128CLOCK
POSITION

SPILL POINT

CONCRETE

18"

ASSA TO RUMUERPE
Page 3 ni 8

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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)

S/N	Northing	Easting
1	# 150134.56	48189462
2	150131.86	481891 04 481891 05
	150134 93	481891.05
	150134.93	481894:12
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INCIDENT NO: <u>20603(2</u> JIV report S/N: 1035
G. INCIDENT INFORMATION:
a. Impacted Area Details
Total calculated area of impact Impact within R.O.W Impact outside R.O.W Note: Section 2000 963 Header 25 Impact outside R.O.W Impact outside R.O.W
b. Volume of oil recovered before completion of JIV (Vreed): Recovered oil Vreed: Recovered oil Vreed: NIL Barrels NIL Barrels
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =
Estimated Reported Volume** V _{ren} (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 estimation software on site:
Calculation of the respective estimated volume: (m3) x 6.29: **Round up estimated volume to next whole number using the following rules: • Any spill volume in excess of bbl is rounded up to the next whole number: • Any spill volume in less than lbb is rounded up to the next 0.1 bbl.
Any spill volume in less than

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

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d. General Status of the site	
 Joint investigation of the incident site found that there is no residual impact after the initial retherefore recommend that the site be closed out 	esponse and JIT
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 represent	atives:
• Host Community:	
Department of Petroleum Resuurces [DPR]:\[\begin{align*}	
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 	
Ti.	ck as applicable

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f. Appendix 1: Overview sketch of the site

