JIV report S/N:

INCIDENT NO: 1761032

(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* DIL SPILL 1. Spill incident Number: 1761032 3. Name of Location BENISEDE WELL-63 WELLHEAD 5. State: BAYEL PA 6. LGA EKEREMOR 4. Name of nearest community OTOBO 7. Type of Production facility/Installation WELLHEAD 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LIMITED/SWAMP WEST B. INCIDENT INFORMATION: 9. Details of incident 30TH NOVEMBER, 2016 b. Start date/time of investigation: 877 DECEMBER, 2016 AT 1404HRS c. Investigation End date: 8TH DECEMBER, 2016 Actual investigation duration, days: ONE DAY d. Description of spill point environment Loose soil Recently excavated area Firm soil ☐Under water □ Swampy Exposed pipe surface Well Platform (on Water DrillRig Additional observations around the spill point: UPON ASSESSMENT, THE JOINT INVESTIGHTION TEAM OBSERVED THAT THE SWRFACE SAFETY VALUE (AVA) ON BENISEDE WELL-65 WELLHEAD WAS REMOVED BY UNKNOWN PERSONS. THE LEAK WAS OBJERVED TO HAVE STOPPED AS AT THE TIME OF THU INVESTIGATION. e. Description of leak point (tick as applicable); ☐ Hack saw cut Drilled hole Well head tampering Inward dent. Complete Rupture ☐ Failed Clamp, ☐ Missing Pipeline/Flowline Failed Weld-on illegal hot tap valve ☐ Third party tampering with Clamp Crude oil theft (illegal bunkering) point, ☐ Saver-pit over flow ☐ Bulging Outward Third party tampering with flange, ☐ Third party tampering with valve setting Cold vent ☐ Surge vessel overflow, ☐Flare System/Bund wall failure Relief valve failure Accidental 3rd party equipment impact ☐ Valve Failure DOTHERS (specify) THEFT OF SURFACE SAFETY VALUE (AVA) f. Incident caused by: Third party interference (Sabotage Z; crude theft \square ; Line theft \square ; Accidental 3rd party damage \square)

Others (including Mystery spills)

☐ Operational

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

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g. Spill point coordinates WGS 84 h. Measuring unit Northing: Easting: ATITUDE -0NC17402 5 00730 C. RISK ASSESSMENT 10. Type of environment: Swamp ■Water Land ☐Shoreline/Waterfront Seasonal swamp Type of environment to which oil has spread: Swamp Land □Water ☐River (identify) · Weather condition Sunny Rain □wet \square_{Dry} □Windy □Hot 11. Distance from the nearest sensitive habitat ,m] Government reserved and designated protected area ,m] Drinking water source NONE WITHIN Built up area ,m] Farmlands ,m] THE VICINITY Fish Farm/Pond Fishing net D Others (specify). 12. Containment measures put in place; Booms Dyke □ Pit None Trench □Natural depression Others: IN] IN] 13. Any pictures or video coverage? [Y] 14. Further response/repair initiated as at the time of JIV? If yes to item 14, give brief description: 15. Was there any disruption to the investigation? [Y]

INCIDEN	it no: <u>17</u> 6	1032	JIV re	port S/N:N	º 0000377
If yes to item 15 give brief de	escription: \(\int \)) 7 +	HPPLI(CABLE	
	·				
D. TYPE/NUMBERS OF	=	ANY, FOUND	WITHIN THE	E AREA OF SPRE	EAD OF OIL
16. Structures / Properti S/N Type of Structures	es Description	Size	Number	Comn	ients
MONE	lall TH	NAX	EA ()F IMP	ACT
17. Crops/Economic Tr		Medium	Matured	Quantity	Comments
NONE	WITH	NA	REA	OF IM	PACT
18. Fishing Nets/Fish P	, , , , ,		0 41 /01		
S/N Nets/Ponds	Description		Quantity/Size	Comments	
NONE	WITH	1N f	TREA	OF IA	AVACT
19. Others (Specify) i.e. S/N Others	Animal Traps Description		Quantity/Size	Comments	
NONE	WITH	1N /	REA	OF IA	PACT
E. GRAPHIC DESCRIPT				le leak point shoul	d be contained in
the leak report, overview ske SECTION OF BEN	ISEDE MELL	-62 M	EUHEAD_		D. SHOWING
Position of Muss	ING SULFACE	SHETY	VALVE (A	<u>(4)</u>	
			<u></u>		OF STOLEN AFETY VALUE (AVI
<u> </u>	<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)

S/N	Northing (LATITUDE)	Easting (LONGITYDE)
- 1	5·00737	5 6896 <u>6</u>
2	5.00728	5.68966
3	5.0073	5.6897
4	5.00737	5.6897
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. INCIDENT INFORMATION:	
a. Impacted Area Details	٠
Total calculated area of impact	: -
Impact within R.O.W	•
Impact outside R.O.W	_
b. Volume of oil recovered before completion of JIV (Vreed):	
Recovered oil V _{recJ} :	Barrels
Controlled recovery/evacuation from source with no impact to environment:	<u>,-!</u>
MIL Barrels	•
.	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
1.14 BBLS	
stimated 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	t e
Write other relevant notes taken into consideration for estimating the spilled in the box below:	
MOT APPLICABLE	

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^t to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whale 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 θ.1 bbl.

Wherever this estimation tool 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 plain sheet of paper and attach to the JIV 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

Q/

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

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f. Appendix 1: Overview sketch of the site

