INCIDENT NO: 1728850 JIV report S/N:

Nº 0000198

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

A. GENERAL INFORMATION:		
. Spill incident Number: 1728850	2.Type of incident ⁴	OIL SPILL
3. Name of Location AGBADA I WEL	L 13 AND 18 WE	LLHEADS
I. Name of nearest community OMUNIKE	5. State: RIVERS	6. LGA IKWERE
Type of Production facility/Installation	IPELINE WELLH	e ad
3. Asset owner/District THE SHELL PETRI		
B. INCIDENT INFORMATION:		SPBC/LAND I
b. Start date/time of investigation: 1374 OCTOBER 2 c. Investigation End date: 18 OCTOBER 20	TOBER 2016 /12	LOOHRS tion, days: DNE (1) DAY
d. Description of spill point environment Description of spill point environment Description of spill point enviro	:1 - -	Recently excavated area
Under water Swamp	_	Exposed pipe surface
Well Platform (on Water AND DrillRi	•	and pipe surface
Additional observations around the spill point OBSERYED: (1) VANDALIZED WELLHEA		
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 Flare System/Bund wall failure Valve Failure Others(specify)	☐ Hack saw cut ☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent ☐ Relief valve failure	☐ Tear (), ☐ Well head tampering ☐ Missing Pipeline/Flowline ☐ Third party tampering with Clamp ☐ Third party tampering with flange, ☐ Surge vessel overflow, ☐ Accidental 3 rd party equipment impact
f. Incident caused by: Third party interference (Sabotage 7; crude Operational Others (including		ntal 3 rd party damage□)

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

INCIDENT NO: 1728856 JIV report S/N: g. Spill point coordinates Was 84 h. Measuring unit Casting: Northing: SPILL POINT 1 SPILL POINT & C. RISK ASSESSMENT 10. Type of environment: □ Water ☐Seasonal swamp ☐ Shoreline/Waterfront **L**and ☐Swamp Type of environment to which oil has spread: i. River (identify) **√**ZLand Swamp ■ Water Weather condition ii. □Hot □cool □Wet ■Windy □Rain Sunny **D**ry 11. Distance from the nearest sensitive habitat ☐ Government reserved and designated protected area ,m] ,m] □ Drinking water source NONE SEEN ,m] ☐ Built up area ☐ Farmlands ,m] ☐ Fish Farm/Pond WITHIN VICINITY □ Fishing net Others (specify). 12. Containment measures put in place; **JZ**Pit ■None □ Dyke ☐ Natural depression Booms Trench Others: [N] 13. Any pictures or video coverage? 14. Further response/repair initiated as at the time of JIV? If yes to item 14, give brief description:

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[Y]

STOPPED

15. Was there any disruption to the investigation?

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ii yes to item	13	give or	ner descripi	ion:						
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D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 16. Structures / Properties

S/N	Type of Structur	ės	Description	Size	Number		Comments
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\Box		_ <i>Y</i>	1 11	/ / Y	HA CH	Or	MITHE
			-				

17. Crops/Economic Trees

S/N	Type of crops	Young	Medium	Matured	Quantity	Comments
7	IONE	WITHIN	ARE	5 1 0	FIMP	ACT

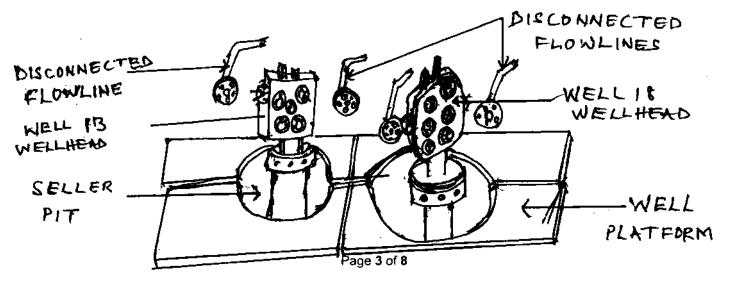
18. Fishing Nets/Fish Ponds

S/N	Nets/Ponds		Description		Quantity/	Size	Com	ments		
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19. Others (Specify) i.e. Animal Traps

S/N	Others	Description	Quantity/Size	Comments
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		יוזית נון אַע	γ	
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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) A SECTION OF AGRADA I WELL 13 AND 18 WELLHEADS AT OMUNIKE SHOWING VANDALIZED WELLHEADS BY UNKNOWN PERSONS.



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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	LATITUNE		Easting	LONGITUBE	
	1	9 4 4 11			CALLER	
1.		. 94011			<u>6: 98238</u>	· <u></u>
5.		-94022	_		6: 98238	
3.	4	14006			6.98274	
4.	4	• 94004			6.98261	- · · · · · · · ·
5.	4	094001		· -	6.98250	
6.	. 4	- 93999			6.98251	-
7-	4	. 93998	Ī		6.98255	
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C.	INCI	DENT	INFOR.	MATIO	N:

a. Impacted Area Detail	a.	Impacted	Area	Detail
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Total calculated area of impact O · 06 Ha
Impact within R.O.W 165

b. Volume of oil recovered before completion of JIV (Vrect):

Recovered oil V_{rec.J}: N/L_ Barrels

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

N/L Barrels

c. Net Estimated Spilled VolumeV_{Est}(bbls)* =

13.40 BARRELS

Estimated Reported Volume** Vrep(bbls)=

14 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:

SPILL WAS SIGNIFICANTLY CONTAINED WITHIN THE CONCRETE SURFACE OF THE WELLHEAD BASE.
THEREBY LIMITING THE INFILTRATION IN SOIL.

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 m³ to burrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following rules;

Any spill volume in excess of - l-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 tool is not applicable please refer to paragraph 6. (Deviations) of the AV procedure to use appropriate steps for volume estimation; record the calculation in a plant sheet or 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] Marie
- 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

