INCIDENT NO: 1891904

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1891904 2. Type of incident* DIL 1. Spill incident Number: FLOWLINE 5. State: ARIA _6.LGA_UKWA - WEST 4. Name of nearest community (DWAZA) FLOW LINE 7. Type of Production facility/Installation 011 ETROLEUM DEVELOPMENT COMPANY IMITED/LAND EAST HUB 9. Details of incident a. Date of incident: 2017/13:21 Hours b. Start date/time of investigation: 20TH JULY, c. Investigation End date: 20 TH JULY, 2017 Actual investigation duration, days: 0 NE(1) DAY d. Description of spill point environment Recently excavated area Loose soil ☐Firm soil Exposed pipe surface **□**Swampy ☐Under water ☐ Well Platform (on Water DrillRig SPILL Additional observations around the spill point: THE POINT WELL 225 FLOWLINE, ADJACENT OBSERVED THE e. Description of leak point (tick as applicable); Hack saw cut ☐ Tear (Drilled hole Inward dent. ☐ Well head tampering Complete Rupture ☐ Missing Pipeline/Flowline ☐ Failed Clamp, Failed Weld-on illegal hot tap valve ☐ Third party tampering with Clamp ☐ Saver-pit over flow Crude oil theft (illegal bunkering) point, ☐ Third party tampering with flange, ☐ Bulging Outward ☐ Third party tampering with valve setting □Cold vent ☐ Surge vessel overflow, ☐Flare System/Bund wall failure Accidental 3rd party equipment impact ☐ Relief valve failure ☐ Valve Failure □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) Oll Spill by Drilling fluid Chemical c) Siluation d) construction (c) Encroachment f) Fire.

. C.

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g. Spill point coordi h. Measuring unit	nates	W	assy	
Northing:	LATITUD	, E	Easting: Low	CITUDE
	4.9807:	<u> </u>		3 <i>5</i> 3
				
C. RISK ASSESSME	NT			_
10. Type of enviro	nment:			
Land .	□ Swamp	□Water	☐ Seasonal swamp	☐Shoreline/Waterfront
i. Type	of environment to wh	tich oil has spread	l :	
Land	□ Swamp	□Water	☐River (identify))
ii. Weath	er condition			
□Rain	□Sunny 【	□ _{Dry} □w	et	Cool
11. Distance from	the nearest sensitive	habitat	 -	
☐ Drinking v ☐ Built up ar ☐ Farmlands ☐ Fish Farm	Pond	gnated protected a	rea [,m]	
12. Containment n	neasures put in place;			
□Booms	□ _{T₁}	rench Dyke	e Natural depression	□Pit □None
Others:			•	
13. Any pictures o	r video coverage?		[N] [N]	
14. Further respon	nse/repair initiated as	at the time of JIV	7?. [Y] [N]/	
If yes to item 14, give brie	f description:			
Not	APPI	_ICA	BLE	
15 31 - 1	11		[N] [N]	

D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL

Size

Description

If yes to item 15 give brief description:

16. Structures / Properties

S/N Type of Structures

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Number

Comments

17. Crops/Economic Trees Type of crops Medium Young Matured Quantity Comments 18. Fishing Nets/Fish Ponds S/N Nets/Ponds Description Quantity/Size | Comments 19. Others (Specify) i.e. Animal Traps S/N Others Quantity/Size Description Comments 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) OF IMO RIVER 3 WELL 225 FLOW LINE SECTION AT IGIRI-UKWU (OWAZA) SHOWING POSITION OF HACK SAW CUT. 70 MM LONG HACK SAW CUT FROM 1 TO 3 & CLOCK POSITION. FROM IMORIVERS WELL

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

	Ĺ	DUS 84
S/N	Northings LATITUDE	Easting LONGITUDE
1.	4.98071	7.18353
2.	4.98076	7.18354
3.	4.98075	7.18346
4.	4.98072	7.18344
5.	4.98068	7 • 18347
6.	4.98067	7.18344
7.	4.98063	7.18344
8.	4.98060	7.18345
9	4.98060	7.18352
<u>_</u> :		
		·
<u></u>		

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		Tara safabit asses		

G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact 0.02Hg	
Impact within R.O.W	
• Impact outside R.O.W	
b. Volume of oil recovered before completion of JIV (V _{rec.J}): Recovered oil V _{rec.J} :	Barrels
Controlled recovery/evacuation from source with no impact to environment:	
Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* = 0.84	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* = 0.84	
stimated Reported Volume** V _{rep} (bbls)= D.9 BARREL	
Stimated Reported Volume** V _{rep} (bbls)= D.9 BARREL Notes: Volume estimation was done using an excel based tool (see attached for details on the calculation)	
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Notes:	
Stimated Reported Volume** V _{rep} (bbls)= D.9 BARREL 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:	
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Stimated Reported Volume** V _{rep} (bbls)= D.9 BARREL 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:	
Notes:	
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:	

Any spill volume in excess of -1 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 ------ Reported volume = 0.4 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 (Deviations) of the HV procedure to use appropriate steps for volume estimation, record the eal, idation in a plain sheet of paper and attach to the AV report.

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	d.	General	Status	of the	site
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i.	Joint investigation of the incident site found that there is no residual impact after the initial response a therefore recommend that the site be closed out	and JIT
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

