INCIDENT NO: 2890855 JIV report S/N:0000798

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

A. GENERAL INFORMATION:		
1. Fountain Incident Number: 289085	5 2. Type of incid	dent* OIL SPILL
3. Name of Location 28" BOMU —	BONMY PI	PELINE
4. Name of nearest community OWOKIRI	5. State: RIVERS	6. LGA ANDIONI
7. Production Facility/Installation CR 4D &		
8. Asset Owner/Hub THE SHELL PE	TROLLYM DI	EVELOPMENT COMMA
B. INCIDENT INFORMATION: OF MI	GERIA LIMIS	ED / PIPELIME
d. Description of spill point environment    Firm soil	1742 C1+ 2021  + 2021 Day(s) or  soil  py  Rig  THE SPILL  POPER LIFE	Recently excavated area  Exposed pipe surface  Sand bag(s)  INCIDENT RESULTED
e. Description of leak point (tick as applicable);  Smooth round-edge 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  Tear ()  Others (specify)	□ Rough-edge hole □ Inward dent, □ Failed Clamp, □ Saver-pit over flow □ Bulging Outward □ Cold vent □ Relief valve failure	☐ Hack saw cut ☐ Well head tampering ☐ Missing Pipeline/Flowline ☐ Third party tampering with Clamp ☐ Third party tampering with flange, ☐ Surge vessel overflow, ☐ Accidental 3 <sup>rd</sup> party equipment impact
f. Incident caused by:  ☐Third party interference (Sabotage □; crude ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐		
Doperational Dotners (including l	wystery spills)	

\*This can be: (a) Oil Spill (b) Drilling fluid/Chemical (c) Siltation (d) Water Leak (e) Fire (f) Non-leaking theft point removal

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	Measuring unit Northing:			Easting:	
	4. 5	54235		7.241	521
C DIG	SK ASSESSME	NIT			
	. Details of Env				
i.	Type of en	vironment where	spill occurred (s	elect one):	
	Land	Swamp	□Water	☐Seasonal swamp	☐Shoreline/Waterfront
ii.	Type of er	vironment to which	ch oil has spread	:	
	Land	Swamp	□Waterbody	(specify)	
iii.	Weather c	ondition			
	Dry	□Wet	□Windy	Hot	
11.	Distance to Se	nsitive habitat with	nin 100m radius		
	□ Drinking v □Surf □ Built up A	ace water □Bo rea dential Area □Co //Pond t	gnated protected a rehole mmercial/Industrial	[ ,m] ,m]	Mome SEENI MITHM VICIMIT
12.	Containment me	easures put in place:			
	□Booms □	Trench Dyke	☐ Pit ☑Natu	aral depression None	
	Others:				
13.	Any pictures or	video coverage?		[N]	
14.	Further respons	e/repair initiated as	at the time of JIV	? (X [N]	
yes to	item 14, give brief o		411165	ONGOING	

NOT Ay  16. Was JIV delayed?	PLICI	ABLE			
Reason(s):  Delayed Community A  Others (specify)	Access Approva	1 Securit	y Challenges	☐ Access co	onstraint due to terrain
<ul><li>D. TYPE/NUMBERS OF</li><li>17. Structures / Properties</li></ul>	PROPERTIES	s, IF ANY, FO	UND WITHIN	THE AREA	OF SPREAD OF OIL
S/N Type of Structures	Description	Size	Number	Co	omments
18. Crops/Economic Trees	THIN	ARE	A 0.	FIM	PACT
/N Type of crops Young		Medium	Matured	Quantity	Comments
Mont Win	HM.	AREA	OF 1	MPA	CI
19. Fish/Nets/Ponds  (N Fish/Nets/Ponds D	Description		0 11 101		
1 No. 10	rescription		Quantity/Size	Comments	
20. Others (Specify) e.g. An	imal Trans	ARE	A OF	IMPA	CT
	escription		Quantity/Size	Comments	
NONE LOS	THAI	Anch	Br	Lann	05
GRAPHIC DESCRIPTION Of the leak report, overview sketch	FLEAKPOIN	MACH	lad downing	11/1/1	
ic tean report, overview sketch	of the site show	ld he added as	annondiv 1)		
E OIL THERT PO	MT 1805	TALLED	AT 12	0' (100)	JOKIRI SHOW
10mm PERSO	Ms.		-	V CLVIA	1.03111000
	6	B	FILDALL	MAL	
	(10)	3	1 LEAK	POINT	
	1	1	1-911	, onar	
1	2	\$			
10				1	28"
1 \/					

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

21. Impacted area boundary Coordinates (If more, Print and attach as Appendix)

S/N	Northing	Easting
1 2 3 4 5	4.54237 4.54236 4.54234 4.54231 4.54234	7.24619 2.24622 7.24622 7.24619 7.24618

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G. INCIDENT IN	FORMATION:		
a. Impacted A	Area Details *		
• T	otal calculated area of impact (Ha)	002HA	
• In	mpact within SPDC R.O.W	ES	
• In	mpact outside SPDC R.O.W	NO	
* Round off to 2 decin * Express in Hectares	mal places if area is $\geq 100 \text{ m}^2$ or to 4 decimal places if $s$ (Ha)	area is $\leq 100 \text{ m}^2$ (e.g. 14.55, 0.0	0051, 0.0009)
b. Volume of	oil recovered before completion of JIV (V	recJ):	
	Recovered oil V <sub>recJ</sub> :	MIL	Barrels
Controlled rec	covery/evacuation from source with no impact MIL Barrels	ct to environment:	
c. Net Estim	ated Spilled Volume V <sub>Est</sub> (bbls)* =		
	0.331	BARREL	
Estimated Report	ted Volume** V <sub>rep</sub> (bbls)=	BARREL	
*Notes:	The state of the s		
Volume estim	nation was done using an excel based tool.(see attached for de	tails on the calculation)	
	lled volume is an estimate ant notes taken into consideration for volume estimation or co	ause of spill:	
100	- $0$ $0$ $0$ $0$ $0$ $0$ $0$	1 C	
$\Lambda I O$	T APPLICAB	ht	
1010	11/1 2/0/10		
Conversion of m³ to barr	ctive estimated volume is to be done on site as far as practical rels is Volume (m3) x 6.29; **Round up estimated volume to r ume in excess of 1 bbl is rounded up to the next whole nu	next whole number using the followi	ation software on site; ing rules:
Any spill volu	ume 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.	
Therever this estimation	tool is not applicable please refer to paragraph 6c (Deviation	ns) of the JIV procedure to use appr	opriate steps for colun

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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

P

#### 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]:
- The Shell Petroleum Development Company [SPDC]:
- Separate DPR form has been filled out with same findings
- Separate NOSDRA form has been filled out with same findings
- Separate SME form has been filled out with same findings

Tick as applicable

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f. Appendix 1: Overview sketch of the site

