INCIDENT NO: 2878261 JIV report S/N:0000779

(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: 287826	2. Type of incid	lent* OIL SPILL
3. Name of Location 12" MORIVER 2	- IMORIVER	1 PIPELINE
3. Name of Location 12" 1MD RIVER 2 4. Name of nearest community ODA GWA	5. State: ABIARIL	CRS ETCITE
7. Production Facility/Installation CRUDE	OIL PIPE	LIME
8. Asset Owner/Hub HE SHELL PET B. INCIDENT INFORMATION: OF MIG	RIA LIMITE	PIPELINIE.
9. Details of incident a. Date Reported: b. Start date/time of Investigation: c. Investigation End date: d. Description of spill point environment Firm soil Under water Well Platform (on water) Additional observations around the spill point:	## 2021 / Day(s) or Soil Stage 1	Recently excavated area Exposed pipe surface Sand bag(s)
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 rd party equipment impact
f. Incident caused by: Third party interference (Sabotage □; crude)	theft Z: Line theft D: Acc	dental 3 rd party damage □)
Operational Others (including I		party samings w)

*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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000779

INCIDENT NO: 2878261 JIV report S/N:

	feasuring unit	ates (*Inciaents <u><</u>	WGS 84.	ggregated into one Joint	Investigation Report)
	Northing:		DE	Easting: LON	19 ITUDE
		4-980	873	7.17	
	K ASSESSMEN				
	Details of Enviro				
i.	Type of envi	ironment where s	spill occurred (se	lect one):	
	Land	Swamp	□Water	Seasonal swamp	☐Shoreline/Waterfront
ii.	Type of env	ironment to which	h oil has spread:		
	Land	□Swamp	□Waterbody ((specify)	
iii.	Weather con	ndition			
	Dry	□Wet	Windy	Hot	
11.	Distance to Sens	sitive habitat with	nin 100m radius		
	☐ Drinking wa ☐Surface ☐ Built up Are	tter source e water Bo	gnated protected ar	[,m] ,m]	None SEEM WITHIN VICINIT
	☐ Resider ☐ Farmlands ☐ Fish Farm/Po ☐ Fishing net ☐ Others (spec	ond	mmercial/Industrial A	[,m] [,m] [,m]	9 WILLIAM VICINII
12.	Containment meas			[,m])
			☐ Pit ☑Natur	al depression None	
	Others:			ar depression marrione	
13.	Any pictures or vic	deo coverage?		W [N]	
14.	Further response/	repair initiated as	at the time of JIV?	W [N]	
es to it	em 14, give brief des	scription:			
			1 AND	REPAIR ACT	WITIES ARE
MI	FOINIG.				

INCIDENT NO: 2678261 JIV report S/N: 0000779
15. Was there any disruption to the investigation?
If yes to item 15 give brief description:
MOT APPLICABLE 16. Was JIV delayed? [Y] [NY
Reason(s): Delayed Community Access Approval Security Challenges Access constraint due to terrain Others (specify) MIT APPLICABLE
D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 17. Structures / Properties
S/N Type of Structures Description Size Number Comments
18. Crops/Economic Trees
S/N Type of crops Young Medium Matured Quantity Comments
MONE WITHIN AREA OF IMPACT 19. Fish/Nets/Ponds
S/N Fish/Nets/Ponds Description Quantity/Size Comments
NONE JIHN AREA OF MPACT 20. Others (Specify) e.g. Animal Traps
S/N Others Description Quantity/Size Comments
MONE WITHIN AREA OF IMPACT
E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak point should be contained in the leak report, overview sketch of the site should be added as appendix 1) THOM OF 12" MORIVER 2 - IMDRIMER 1 PIPELIME AT
AGMA SHOWING CRUDE OIL THEFT POINT INSTALLED AT
- O'CLOCK POSITION BY UNKNOWIM PERSONS.
1 ELBONI LEAK POINT
1) EXISTING EXISTINGS
2'BALL EXISTIAM!
1.57METRES 12'
FROM IMORIVER 2 TO IMORIVER 1 Version 2020/01
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INCIDENT NO: 2878261 JIV report S/N: 3000779

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 LATTUDE	Easting Loweinve
	4.980875	7-17026
	4-980915	7.170293
	4,980939	7.170318
	4.980985	7-170303
	4.981049	7-170323
	4.981088	7-170361
	4.981139	7-170411
	4-981166	7-17041
	4.981176	7-170435
	4-981179	7-170493
	4.981162	7-170504
	4.981106	7-170495
	4.981042	7-170448
	4.981019	7-17046
	4.980927	7-170428
	4.980867	7.170388
	4.980857	7-17033
	4.980807	7-170307
	4.980871	7.170251

INCIDENT NO: 2878261 JIV report S/N: 0000779

G. I	NCIDENT	INFORMA	TION:
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a.	Im	nacted	Area	Details	
68.4	A.A.A.A.	Jacecu	TAR CE	The falling	

Total calculated area of impact (Ha) 0.05 HA

Impact within SPDC R.O.W YES

Impact outside SPDC R.O.W YES

* Express in Hectares (Ha)

b.	Volume	of oil	recovered	before	completion	of JIV	V (Vrec.J)
----	--------	--------	-----------	--------	------------	--------	------------

Recovered oil V_{recJ}: D Barrels

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

MIL Barrels

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

11.22 BARRELS

Estimated Reported Volume** Vrep(bbls)=

12 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 volume estimation or cause of spill:

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^3 to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole 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 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 6c (Deviations) of the JIV procedure to use appropriate steps for column estimation; record the calculation in a plain sheet of paper and attach to the JIV report.

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^{*} Round off to 2 decimal places if area is \geq 100 m² or to 4 decimal places if area is \leq 100 m² (e.g. 14.55, 0.0051, 0.0009)

INCIDENT NO: 2878261 JIV report S/N: 000779

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]:
- 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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Page 6 of 8

INCIDENT NO: 2878261 JIV report S/N: 000

0000779

f. Appendix 1: Overview sketch of the site

