INCIDENT NO: 2603960 JIV report S/N:

0568

(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: 260396	2. Type of inc	ident* OIL SPILL
3. Name of Location 20" K6L0 CRE	EEK TRUNK	LINE AT OKPOROWO
4. Name of nearest community OKPOROWO	5. State: RIVERS	6. LGA AHOADA EAST
7. Production Facility/Installation OIL P	PELINE	
8. Asset Owner/Hub THE SHELL PETF B. INCIDENT INFORMATION:	ROLEUM DEV LIMITED (SP	ELOPMENT COMPANY DC) PIPELINE
9. Details of incident a. Date Reported: CHY MARCH 202 b. Start date/time of Investigation: 16 Ht MARC c. Investigation End date: 16 Ht MARC d. Description of spill point environment	20 CH,2020 1345 H,2020 Day(s)	on site: ONE DAY
☐Firm soil ☐Loose so	oil	Recently excavated area
☐Under water ☐Swampy		Exposed pipe surface
☐Well Platform (on water) ☐Drill Rig	g	☐Sand bag(s)
Additional observations around the spill point: SAND BAGS		
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 3rd party equipment impact
f. Incident caused by: ☐ Third party interference (Sabotage ☐; crude t☐ ☐ Operational ☐ Others (including M		ccidental 3 rd party damage □)

*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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	Northing:	Easting:
	4.97043	6.63614
RISK	ASSESSMENT	
10. I	Details of Environment	
i.	Type of environment where spill occurred (selec	et one):
	□ Swamp □ Water	Seasonal swamp Shoreline/Waterfront
ii.	Type of environment to which oil has spread:	
	□ Land □ Swamp □ Waterbody (sp	ecify)
iii.	Weather condition	
	☑Dry □Wet □Windy	⊠Hot
11. D	Distance to Sensitive habitat within 100m radius	
	□ Government reserved and designated protected area □ Drinking water source □ Surface water □ Borehole □ Built up Area □ Residential Area □ Commercial/Industrial Are □ Farmlands □ Fish Farm/Pond □ Fishing net □ Others (specify)	i ,mj None Seen
12. C	ontainment measures put in place:	
	□Booms □Trench □ Dyke ☑ Pit □Natural o	depression None
	Others:	
13. A	ny pictures or video coverage?	[4], [N]
	Further response/repair initiated as at the time of JIV?	ואו ואו

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15. Was there any disruption to the investigation? [Y] [N] If yes to item 15 give brief description:
NOT APPLICABLE
16. Was JIV delayed? [Y] [XY].
Reason(s): Delayed Community Access Approval Security Challenges Access constraint due to terrain Others (specify)
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
NONE WITHIN AREA OF IMPACT
18. Crops/Economic Trees S/N Type of crops Young Medium Matured Quantity Comments
NONE WITHIN AREA OF IMPACT
19. Fish/Nets/Ponds S/N Fish/Nets/Ponds Description Quantity/Size Comments
NONE MITHIN AREA OF IMPACT
20. Others (Specify) e.g. Animal Traps S/N Others Description Quantity/Size Comments
NONE MITHIN ARE 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) A SECTION OF 20" KOLO CREEK TRUNKLING AT OKPOROKI SHOWING A 2" VALVE INSTALLED OF
120'CLOCK POSITION BY UNKNOWN PERSONS).
2" PIPE
2" VALVE
20"10
20" KOLO CREEK TRUNK LINE

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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
831	4.97036	6.63605
	4. 97042	6.63607
	4.97047	6.63610
834	4.97048	6.63610
935	4.97048	6.63614
836	4. 97046	6.63615
837	4. 97044	6.63618
838	4. 97039	6.63613
		/
		N /
	1 0	
	1/1	
	///	
/		
/		
/		

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G. INCIDENT INFORMATION:
a. Impacted Area Details *
Total calculated area of impact (Ha) O O I HA
Impact within SPDC R.O.W
Impact outside SPDC R.O.W TSC
* Round off to 2 decimal places if area is ≥ 100 m² or to 4 decimal places if area is ≤ 100 m² (e.g. 14.55, 0.0051, 0.0009) * Express in Hectares (Ha)
b. Volume of oil recovered before completion of JIV (VrecJ):
Recovered oil Vreed: O.S.BARREL Barrels
Controlled recovery/evacuation from source with no impact to environment:
NIL Barrels
c. Net Estimated Spilled Volume V _{Est} (bbls)* = 9.95BARRELS
Estimated Reported Volume** Vrep(bbls)= 36 PRRES
*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:
NOI APPIICARIE
, , , , , , , , , , , , , , , , , , , ,
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 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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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]: ☑
- 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

