INCIDENT NO: 3029862 JIV report S/N:0000969

(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: 3020	9862 2. Type of i	ncident* OIL SPILL		
3. Name of Location 28" NKPO	OKU-BOMY PIE	ELINE		
4. Name of nearest community	EO 5. State: RIVERS	6. LGA ELEME		
7. Production Facility/Installation	CRUBE DIL	PIPELINE		
8. Asset Owner/Hub INE STELL P NIGERIA LIMITE B. INCIDENT INFORMATION:	PETROLEUM, DEVELO E) (SPDC)   PIPEL	opment company of		
9. Details of incident a. Date Reported: 17 It SEP IE b. Start date/time of Investigation: 19 c. Investigation End date: 19 It SEP d. Description of spill point environment	TH SEPTEMBER, 202 PTEMBER, 202/ Day(s)	1/1300HRS on site: ONE DAT		
	Loose soil	Recently excavated area		
Under water	□Swampy	☐Exposed pipe surface		
☐Well Platform (on water)	□Drill Rig	Sand bag(s)		
Additional observations around the spill point:  NOT APPLICABLE				
e. Description of leak point (tick as applied Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) por Third party tampering with valve set Flare System/Bund wall failure Valve Failure Tear (Cothers (specify)	Rough-edge hole  Inward dent, Failed Clamp, ooint, Saver-pit over flow etting 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. Incjdent caused by:  ☐ Third party interference (Sabotage ☐ ☐ Operational ☐ Others (incl	]; crude theft ☐; Aco	Sidental 3 <sup>rd</sup> 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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Page 1 of 8

000969

INCIDENT NO: 3029862 JIV report S/N:

g. Spill Point Coordinates (\*Incidents \le 100m apart to be aggregated into one Joint Investigation Report)

h. Measuring unit [AGS Z4]

h. Measuring unit WGS 84	aggregated into one Joint Investigation Report)
Northing:	Easting:
SP1. 4.755538 SP2. 4.755541	7.171541
RISK ASSESSMENT	
10. Details of Environment	
i. Type of environment where spill occurred (see	elect one):
☑Land □Swamp □Water	☐Seasonal swamp ☐Shoreline/Waterfront
ii. Type of environment to which oil has spread	Ŀ
☐Land ☐Swamp ☐Waterbody	/ (specify)
iii. Weather condition	
☑ <sub>Dry</sub> □Wet □Windy	⊠ <sub>Hot</sub>
11. Distance to Sensitive habitat within 100m radius	
Government reserved and designated protected and Drinking water source  Surface water Built up Area Residential Area Farmlands Fish Farm/Pond Fishing net Others (specify)	[m, m] [m, ]
12. Containment measures put in place:	
□Booms ☑Trench □ Dyke □ Pit ☑Nati	ural depression  None
Others:	
13. Any pictures or video coverage?	[ <b>y</b> ] [N]
14. Further response/repair initiated as at the time of JIV	/? [√] [N]
f yes to item 14, give brief description:	

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Page 2 of 8

INCIDENT NO: 3029862 JIV report S/N: 0000969
15. Was there any disruption to the investigation? [Y] [Y]  If yes to item 15 give brief description:
NOT APPLICABLE
16. Was JIV delayed? [Y] [V]
Reason(s):  Delayed Community Access Approval  Security Challenges  Access constraint due to terrain  Others (specify)  NOT 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 CONTRACTOR IN PACTED
18. Crops/Economic Trees  S/N Type of crops Young Medium Matured Quantity Comments
NONE SEEN WITHEN AREA OF IMPACTED
19. Fish/Nets/Ponds
S/N Fish/Nets/Ponds Description Quantity/Size Comments
20. Others (Specify) e.g. Animal Traps  S/N Others Description Quantity/Size Comments
NONE SEEN WITHIN AREA OF IMPACTED
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 28" NKPOKU -
BOMY PIPELINE AT ETEO SHOWING 2 NOS OF 2"NIPPLE INSTALLED  AT 120'CLOCK POSITION BY YNKNOWN PERSON(S).
2NOS OF 2" NIPPLE INSTALLED AT 12 O'CLOCK FOSITION SPILL POINT
POSTION SPILL POINT
28") D 28" NKPOKY- BOMY PIPELINE
NKPOKU — BOMU  Version 2020/01
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INCIDENT NO: <u>202986.2</u> JIV report S/N: 0000969

#### 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
	6/	/
	/	
	8 00 00	

	1			
	1			9862. 28" NKPOKU -BOMU PIPELINE AT ETEO
2	FID	Commen		LONG
3	-	E1	4.75562	7.17149
4	1	E2	4.75561	7.17151
<u> </u>	2	E3 E4	4.7556	7.1715
6	4	E5	4.75557 4.75557	7.17156 7.17159
- 8	5	E6	4.75549	7.17161
9	6	E7	4.75555	7.17144
10	7	E8	4.75569	7.17098
11	8	E9	4.75571	7.17096
12	9	E10	4.75576	7.17082
13	10	E11	4.75579	7.17078
14	11	E12	4.75579	7.1707
15	12	E13	4.75578	7.17068
16	13	E14	4.7558	7.17062
17	14	E15	4.75583	7.17061
18	15	E16	4.75585	7.17056
19	16	E17	4.75589	7.17049
20	17	E18	4.7559	7.17046
21	18	E19	4.75586	7.17041
22	19	E20	4.75589	7.1703
23	20	E21	4.75592	7.17019
24	21	E22	4.75596	7.17015
25	22	E23	4.75598	7.17016
26	23	E24	4.755	7.17011
27	24	E25	4.75602	7.17012
28	25	E26	4.75607	7.17002
29	26	E27	4.75608	7.17005
30	27	E28	4.75597	7.17037
31	28	E29	4.75593	7.17042
32	29	E30	4.75591	7.17045
33	30	E31	4.75592	7.17051
34 35	31	E32 E33	4.7559 4.75589	7.17058 7.17062
36	1 -	E34	4.75587	7.17067
37	34	E35	4.75585	7.17068
38	35	E36	4.75583	7.17074
39	36	E37	4.75585	7.17075
40	37	E38	4.75586	7.17074
41	38	E39	4.75587	7.17075
42	39	E40	4.75584	7.17078
43	40	E41	4.75583	7.17077
44	41	E42	4.75582	7.17076
45	42	E43	4.75577	7.17093
46	43	E44	4.75578	7.17094
47	44	E45	4.75577	7.17096
48	45	E46	4.75575	7.17096
49	46	E47	4.75571	7.17107
50	47	E48	4.75568	7.17116
51	48	E49	4.75567	7.17117
52	49	ESO	4.75564	7.17122
53	50	E51	4.75566	7.17128
54	51	E52	4.75565	7.17131
55	52	ES3	4.75563	7.17132
56 57	53	E54	4.75558	7.17145
58	54	ESS ES6	4.75559 4.75563	7.17146 7.17147
59	55 56	SP1	4.75554	7.17154
60	-	SP2	4.75554	7.17154
61	1 37	J. 2		र स्कर की वि

IN	CIDENT NO: <u>3029862</u>
G. INCIDENT IN	FORMATION:
a. Impacted	Area Details *
• 1	Total calculated area of impact (Ha) 0.1105#A
	npact within SPDC R.O.W YES
	npact outside SPDC R.O.W NO
* Round off to 2 decin * Express in Hectares	nal places if area is $\geq 100$ m <sup>2</sup> or to 4 decimal places if area is $\leq 100$ m <sup>2</sup> (e.g. 14.55, 0.0051, 0.0009) (Ha)
b. Volume of	oil recovered before completion of JIV (Vred):
	Recovered oil Vreed: 75BARRELS Barrels
Controlled rec	overy/evacuation from source with no impact to environment:
	NIL Barrels
c. Net Estima	ated Spilled Volume Vrs(bbls)* = 135.73BARRELS
*Notes:  Volume estima	tion was done using an excel based tool (see attached for details on the calculation)
	notes taken into consideration for volume estimation or cause of spill:  NOT APPLICABLE
<ul> <li>Any spill volume</li> <li>Any spill volume</li> <li>Examples:</li> </ul>	e estimated volume is to be done on site as far as practicable using the new spill volume estimation software on site is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following rules: in excess of 1 bbl is rounded up to the next whole number.  In less than 1 bbl is rounded up to the next 0.1 bbl.  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.
erever this estimation too mation: record the calcul	ts not applicable please refer to paragraph 6c (Deviations) of the IIV procedure to use appropriate steps for colu ation in a plain sheet of paper and attach to the IIV report.

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Page 5 of 8

INCIDENT NO: 3029862 JIV report S/N: 000	196
d. General Status of the site	
i. Joint investigation of the incident site found that there is no residual impact after the initial response are therefore recommend that the site be closed out	nd JIT
ii. Investigation of the incident site showed that there is residual impact on site requiring further works	Ø
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 applie	able

INCIDENT NO: 3029862. JIV report S/N: 0000969

f. Appendix 1: Overview sketch of the site

